

# Socializer

Distributed social network event extractor

## Reference Documentation

***Radek Burget***



## **Acknowledgements**

This work was supported by the Ministry of the Interior of the Czech Republic as a part of the project Integrated platform for analysis of digital data from security incidents VI20172020062.

**Socializer**  
release-2018

Generated by Doxygen 1.8.13



# Contents

<b>1</b>	<b>Socializer</b>	<b>1</b>
<b>2</b>	<b>Namespace Index</b>	<b>5</b>
2.1	Packages	5
<b>3</b>	<b>Hierarchical Index</b>	<b>7</b>
3.1	Class Hierarchy	7
<b>4</b>	<b>Class Index</b>	<b>9</b>
4.1	Class List	9
<b>5</b>	<b>File Index</b>	<b>11</b>
5.1	File List	11
<b>6</b>	<b>Namespace Documentation</b>	<b>13</b>
6.1	Package cz	13
6.2	Package cz.vutbr	13
6.3	Package cz.vutbr.fit	13
6.4	Package cz.vutbr.fit.xtutko00	13
6.5	Package cz.vutbr.fit.xtutko00.hbase	14
6.6	Package cz.vutbr.fit.xtutko00.hbase.halyard	14
6.7	Package cz.vutbr.fit.xtutko00.hbase.hgraphdb	14
6.8	Package cz.vutbr.fit.xtutko00.model	14
6.9	Package cz.vutbr.fit.xtutko00.model.core	15
6.10	Package cz.vutbr.fit.xtutko00.model.property	15
6.11	Package cz.vutbr.fit.xtutko00.model.rdf	15
6.12	Package cz.vutbr.fit.xtutko00.model.rdf.vocabulary	15
6.13	Package cz.vutbr.fit.xtutko00.source	15
6.14	Package cz.vutbr.fit.xtutko00.source.facebook	16
6.15	Package cz.vutbr.fit.xtutko00.source.facebook.model	16
6.15.1	Detailed Description	16
6.16	Package cz.vutbr.fit.xtutko00.source.twitter	17
6.17	Package cz.vutbr.fit.xtutko00.source.twitter.model	17
6.17.1	Detailed Description	17
6.18	Package cz.vutbr.fit.xtutko00.spark	18
6.19	Package cz.vutbr.fit.xtutko00.utils	18

<b>7</b>	<b>Class Documentation</b>	<b>19</b>
7.1	cz.vutbr.fit.xtutko00.model.rdf.Content Class Reference	19
7.1.1	Detailed Description	20
7.1.2	Constructor & Destructor Documentation	21
7.1.2.1	Content()	21
7.1.3	Member Function Documentation	21
7.1.3.1	addToModel()	21
7.1.3.2	getClassIRI()	21
7.1.3.3	getProperties()	21
7.1.4	Member Data Documentation	21
7.1.4.1	CLASS_IRI	22
7.2	cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.EClient Enum Reference	22
7.2.1	Member Data Documentation	22
7.2.1.1	HALYARD	22
7.2.1.2	HGRAPHDB	22
7.3	cz.vutbr.fit.xtutko00.model.core.EntityFactory Interface Reference	22
7.3.1	Detailed Description	23
7.4	cz.vutbr.fit.xtutko00.model.rdf.Entry Class Reference	23
7.4.1	Detailed Description	24
7.4.2	Constructor & Destructor Documentation	24
7.4.2.1	Entry()	24
7.4.3	Member Function Documentation	24
7.4.3.1	addToModel()	25
7.4.3.2	getClassIRI()	25
7.4.3.3	getContains()	25
7.4.3.4	getEntities()	25
7.4.3.5	getProperties()	25
7.4.3.6	getSourceId()	25
7.4.3.7	getSourceTimeline()	26
7.4.3.8	getTimestamp()	26

---

7.4.3.9	<a href="#">setSourceId()</a>	26
7.4.3.10	<a href="#">setSourceTimeline()</a>	26
7.4.3.11	<a href="#">setTimestamp()</a>	26
7.4.4	<a href="#">Member Data Documentation</a>	26
7.4.4.1	<a href="#">CLASS_IRI</a>	26
7.5	<a href="#">cz.vutbr.fit.xtutko00.source.ESourceType Enum Reference</a>	27
7.5.1	<a href="#">Detailed Description</a>	27
7.5.2	<a href="#">Member Data Documentation</a>	28
7.5.2.1	<a href="#">FACEBOOK</a>	28
7.5.2.2	<a href="#">TWITTER</a>	28
7.6	<a href="#">cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient Class Reference</a>	28
7.6.1	<a href="#">Detailed Description</a>	29
7.6.2	<a href="#">Constructor &amp; Destructor Documentation</a>	29
7.6.2.1	<a href="#">FacebookSourceClient()</a>	29
7.6.3	<a href="#">Member Function Documentation</a>	30
7.6.3.1	<a href="#">getTimeline()</a>	30
7.7	<a href="#">cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClientConfig Class Reference</a>	30
7.7.1	<a href="#">Detailed Description</a>	31
7.7.2	<a href="#">Constructor &amp; Destructor Documentation</a>	31
7.7.2.1	<a href="#">FacebookSourceClientConfig()</a>	31
7.7.3	<a href="#">Member Function Documentation</a>	31
7.7.3.1	<a href="#">getUntilDate()</a>	32
7.8	<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory Class Reference</a>	32
7.8.1	<a href="#">Detailed Description</a>	33
7.8.2	<a href="#">Constructor &amp; Destructor Documentation</a>	34
7.8.2.1	<a href="#">FBEntityFactory()</a>	34
7.8.3	<a href="#">Member Function Documentation</a>	34
7.8.3.1	<a href="#">createContent()</a>	34
7.8.3.2	<a href="#">createEntry() [1/2]</a>	34
7.8.3.3	<a href="#">createEntry() [2/2]</a>	34

---

7.8.3.4	<a href="#">createGeoContent() [1/2]</a>	34
7.8.3.5	<a href="#">createGeoContent() [2/2]</a>	35
7.8.3.6	<a href="#">createImage() [1/2]</a>	35
7.8.3.7	<a href="#">createImage() [2/2]</a>	35
7.8.3.8	<a href="#">createTextContent() [1/2]</a>	35
7.8.3.9	<a href="#">createTextContent() [2/2]</a>	35
7.8.3.10	<a href="#">createTimeline() [1/2]</a>	35
7.8.3.11	<a href="#">createTimeline() [2/2]</a>	36
7.8.3.12	<a href="#">createUrlContent() [1/2]</a>	36
7.8.3.13	<a href="#">createUrlContent() [2/2]</a>	36
7.8.3.14	<a href="#">getInstance()</a>	36
7.9	<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBEntry Class Reference</a>	37
7.9.1	<a href="#">Detailed Description</a>	38
7.9.2	<a href="#">Constructor &amp; Destructor Documentation</a>	38
7.9.2.1	<a href="#">FBEntry()</a>	39
7.10	<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBGeoContent Class Reference</a>	39
7.10.1	<a href="#">Detailed Description</a>	40
7.10.2	<a href="#">Constructor &amp; Destructor Documentation</a>	41
7.10.2.1	<a href="#">FBGeoContent()</a>	41
7.11	<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBImage Class Reference</a>	41
7.11.1	<a href="#">Detailed Description</a>	42
7.11.2	<a href="#">Constructor &amp; Destructor Documentation</a>	43
7.11.2.1	<a href="#">FBImage()</a>	43
7.12	<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBTextContent Class Reference</a>	43
7.12.1	<a href="#">Detailed Description</a>	44
7.12.2	<a href="#">Constructor &amp; Destructor Documentation</a>	45
7.12.2.1	<a href="#">FBTextContent()</a>	45
7.13	<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBTimeline Class Reference</a>	45
7.13.1	<a href="#">Detailed Description</a>	46
7.13.2	<a href="#">Constructor &amp; Destructor Documentation</a>	46

---



---

7.13.2.1	FBTimeline()	47
7.13.3	Member Function Documentation	47
7.13.3.1	getLabel()	47
7.14	cz.vutbr.fit.xtutko00.source.facebook.model.FBURLContent Class Reference	48
7.14.1	Detailed Description	49
7.14.2	Constructor & Destructor Documentation	50
7.14.2.1	FBURLContent()	50
7.15	cz.vutbr.fit.xtutko00.model.rdf.GeoContent Class Reference	50
7.15.1	Detailed Description	52
7.15.2	Constructor & Destructor Documentation	52
7.15.2.1	GeoContent()	52
7.15.3	Member Function Documentation	52
7.15.3.1	addToModel()	52
7.15.3.2	getClassIRI()	52
7.15.3.3	getLatitude()	52
7.15.3.4	getLongitude()	53
7.15.3.5	getProperties()	53
7.15.3.6	setLatitude()	53
7.15.3.7	setLongitude()	53
7.15.4	Member Data Documentation	53
7.15.4.1	CLASS_IRI	53
7.16	cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient Class Reference	54
7.16.1	Detailed Description	55
7.16.2	Constructor & Destructor Documentation	55
7.16.2.1	HalyardHBaseClient() [1/2]	55
7.16.2.2	HalyardHBaseClient() [2/2]	55
7.16.3	Member Function Documentation	55
7.16.3.1	createTable()	55
7.16.3.2	saveTimeline()	56
7.16.3.3	testEntryTimestamps()	56

7.16.3.4	testEntryTimestampsWithSort()	56
7.16.3.5	testLongestEntryText()	56
7.16.3.6	testNumberOfEntries()	56
7.16.3.7	testSharedUrls()	56
7.17	cz.vutbr.fit.xtutko00.hbase.HBaseClient Interface Reference	57
7.17.1	Detailed Description	57
7.17.2	Member Function Documentation	57
7.17.2.1	createTable()	58
7.17.2.2	saveTimeline()	58
7.18	cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig Class Reference	58
7.18.1	Detailed Description	59
7.18.2	Member Function Documentation	59
7.18.2.1	getHBaseSiteFilename()	59
7.18.2.2	getTableName()	59
7.18.2.3	setHBaseSiteFilename()	59
7.18.2.4	setTableName()	59
7.19	cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory Class Reference	60
7.19.1	Detailed Description	60
7.19.2	Constructor & Destructor Documentation	61
7.19.2.1	HBaseClientFactory() [1/2]	61
7.19.2.2	HBaseClientFactory() [2/2]	61
7.19.3	Member Function Documentation	61
7.19.3.1	createClient() [1/2]	61
7.19.3.2	createClient() [2/2]	61
7.20	cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient Class Reference	62
7.20.1	Detailed Description	63
7.20.2	Constructor & Destructor Documentation	63
7.20.2.1	HGraphDbHBaseClient()	63
7.20.3	Member Function Documentation	63
7.20.3.1	createTable()	63

---

7.20.3.2	saveTimeline()	63
7.20.3.3	testEntryTimestamps()	64
7.20.3.4	testEntryTimestampsWithSort()	64
7.20.3.5	testLongestEntryText()	64
7.20.3.6	testNumberOfEntries()	64
7.20.3.7	testSharedUrls()	64
7.21	cz.vutbr.fit.xtutko00.utils.IdMaker Class Reference	64
7.21.1	Detailed Description	64
7.21.2	Constructor & Destructor Documentation	65
7.21.2.1	IdMaker()	65
7.21.3	Member Function Documentation	65
7.21.3.1	getId()	65
7.22	cz.vutbr.fit.xtutko00.model.rdf.Image Class Reference	65
7.22.1	Detailed Description	67
7.22.2	Constructor & Destructor Documentation	67
7.22.2.1	Image()	67
7.22.3	Member Function Documentation	67
7.22.3.1	addToModel()	67
7.22.3.2	getClassIRI()	67
7.22.3.3	getProperties()	67
7.22.3.4	getSourceUrl()	68
7.22.3.5	setSourceUrl()	68
7.22.4	Member Data Documentation	68
7.22.4.1	CLASS_IRI	68
7.23	cz.vutbr.fit.xtutko00.utils.Logger Class Reference	68
7.23.1	Detailed Description	69
7.23.2	Constructor & Destructor Documentation	69
7.23.2.1	Logger()	69
7.23.3	Member Function Documentation	69
7.23.3.1	debug()	70

---

7.23.3.2	error()	70
7.23.3.3	info()	70
7.23.3.4	warning()	70
7.24	cz.vutbr.fit.xtutko00.MainHalyard Class Reference	70
7.24.1	Detailed Description	70
7.24.2	Member Function Documentation	71
7.24.2.1	main()	71
7.25	cz.vutbr.fit.xtutko00.MainHGGraphDb Class Reference	71
7.25.1	Detailed Description	71
7.25.2	Member Function Documentation	71
7.25.2.1	main()	71
7.26	cz.vutbr.fit.xtutko00.MainSpark Class Reference	72
7.26.1	Detailed Description	72
7.26.2	Member Function Documentation	72
7.26.2.1	main()	72
7.27	cz.vutbr.fit.xtutko00.model.core.RDFEntity Class Reference	72
7.27.1	Detailed Description	74
7.27.2	Constructor & Destructor Documentation	74
7.27.2.1	RDFEntity()	74
7.27.3	Member Function Documentation	74
7.27.3.1	addArray() [1/6]	74
7.27.3.2	addArray() [2/6]	74
7.27.3.3	addArray() [3/6]	75
7.27.3.4	addArray() [4/6]	75
7.27.3.5	addArray() [5/6]	75
7.27.3.6	addArray() [6/6]	75
7.27.3.7	addCollection()	75
7.27.3.8	addCollectionData()	75
7.27.3.9	addCollectionWithData()	76
7.27.3.10	addObject()	76

---

7.27.3.11	<a href="#">addObjectWithData()</a>	76
7.27.3.12	<a href="#">addToModel()</a>	76
7.27.3.13	<a href="#">addValue() [1/6]</a>	76
7.27.3.14	<a href="#">addValue() [2/6]</a>	76
7.27.3.15	<a href="#">addValue() [3/6]</a>	77
7.27.3.16	<a href="#">addValue() [4/6]</a>	77
7.27.3.17	<a href="#">addValue() [5/6]</a>	77
7.27.3.18	<a href="#">addValue() [6/6]</a>	77
7.27.3.19	<a href="#">getClassIRI()</a>	77
7.27.3.20	<a href="#">getIRI()</a>	77
7.27.3.21	<a href="#">getLabel()</a>	78
7.27.3.22	<a href="#">getObjectIRIs()</a>	78
7.27.3.23	<a href="#">loadDateArray()</a>	78
7.27.3.24	<a href="#">loadDateValue()</a>	78
7.27.3.25	<a href="#">loadDoubleArray()</a>	78
7.27.3.26	<a href="#">loadDoubleValue()</a>	78
7.27.3.27	<a href="#">loadFloatArray()</a>	79
7.27.3.28	<a href="#">loadFloatValue()</a>	79
7.27.3.29	<a href="#">loadFromModel()</a>	79
7.27.3.30	<a href="#">loadIntArray()</a>	79
7.27.3.31	<a href="#">loadIntValue()</a>	79
7.27.3.32	<a href="#">loadStringArray()</a>	79
7.27.3.33	<a href="#">loadStringValue()</a>	80
7.27.3.34	<a href="#">loadURLArray()</a>	80
7.27.3.35	<a href="#">loadURLValue()</a>	80
7.27.4	<a href="#">Member Data Documentation</a>	80
7.27.4.1	<a href="#">vf</a>	80
7.28	<a href="#">cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity Class Reference</a>	81
7.28.1	<a href="#">Detailed Description</a>	82
7.28.2	<a href="#">Constructor &amp; Destructor Documentation</a>	82

---

7.28.2.1	RdfPropertyEntity()	82
7.28.3	Member Function Documentation	82
7.28.3.1	addToGraph()	82
7.28.3.2	buildLabel()	82
7.28.3.3	getEntities()	82
7.28.3.4	getProperties()	83
7.29	cz.vutbr.fit.xtutko00.model.core.ResourceFactory Class Reference	83
7.29.1	Detailed Description	83
7.29.2	Member Function Documentation	83
7.29.2.1	createResourceIRI()	83
7.30	cz.vutbr.fit.xtutko00.source.Source Class Reference	84
7.30.1	Detailed Description	84
7.30.2	Constructor & Destructor Documentation	85
7.30.2.1	Source()	85
7.30.3	Member Function Documentation	85
7.30.3.1	getName()	85
7.30.3.2	getType()	85
7.31	cz.vutbr.fit.xtutko00.source.SourceClient Interface Reference	85
7.31.1	Detailed Description	86
7.31.2	Member Function Documentation	86
7.31.2.1	getTimeline()	86
7.32	cz.vutbr.fit.xtutko00.source.SourceClientConfig Class Reference	87
7.32.1	Detailed Description	87
7.32.2	Constructor & Destructor Documentation	87
7.32.2.1	SourceClientConfig()	88
7.32.3	Member Function Documentation	88
7.32.3.1	getKey()	88
7.32.3.2	getSecret()	88
7.33	cz.vutbr.fit.xtutko00.source.SourceClientFactory Class Reference	88
7.33.1	Detailed Description	89

---

7.33.2	Constructor & Destructor Documentation	89
7.33.2.1	SourceClientFactory()	89
7.33.3	Member Function Documentation	89
7.33.3.1	createSourceClient()	90
7.34	cz.vutbr.fit.xtutko00.spark.SparkRunner Class Reference	90
7.34.1	Detailed Description	91
7.34.2	Constructor & Destructor Documentation	91
7.34.2.1	SparkRunner()	91
7.34.3	Member Function Documentation	91
7.34.3.1	compareHBaseClients()	91
7.34.3.2	downloadTimelines()	91
7.35	cz.vutbr.fit.xtutko00.spark.SparkRunnerConf Class Reference	92
7.35.1	Detailed Description	93
7.35.2	Member Function Documentation	93
7.35.2.1	addSparkProperty()	93
7.35.2.2	getHBaseClientFactory()	93
7.35.2.3	getNumOfPartitions()	93
7.35.2.4	getSourceClientFactory()	93
7.35.2.5	getSources()	93
7.35.2.6	getSparkProperties()	94
7.35.2.7	setHBaseClientFactory()	94
7.35.2.8	setNumOfPartitions()	94
7.35.2.9	setSourceClientFactory()	94
7.35.2.10	setSources()	94
7.36	cz.vutbr.fit.xtutko00.utils.StopWatch Class Reference	94
7.36.1	Detailed Description	95
7.36.2	Member Function Documentation	95
7.36.2.1	getTimeMillis()	95
7.36.2.2	getTimeSec()	95
7.36.2.3	start()	95

7.36.2.4	stop()	95
7.37	cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA Class Reference	96
7.37.1	Detailed Description	97
7.37.2	Member Data Documentation	97
7.37.2.1	contains	97
7.37.2.2	Content	97
7.37.2.3	contextLink	98
7.37.2.4	Entry	98
7.37.2.5	GeoContent	98
7.37.2.6	Image	99
7.37.2.7	latitude	99
7.37.2.8	longitude	99
7.37.2.9	NAMESPACE	100
7.37.2.10	PREFIX	100
7.37.2.11	sameURL	100
7.37.2.12	sourceId	100
7.37.2.13	sourceTimeline	101
7.37.2.14	sourceUrl	101
7.37.2.15	text	101
7.37.2.16	TextContent	102
7.37.2.17	Timeline	102
7.37.2.18	timestamp	102
7.37.2.19	URLContent	103
7.37.2.20	urlMention	103
7.38	cz.vutbr.fit.xtutko00.TableBuilder Class Reference	103
7.38.1	Detailed Description	103
7.38.2	Member Function Documentation	104
7.38.2.1	main()	104
7.39	cz.vutbr.fit.xtutko00.model.rdf.TAFactory Interface Reference	104
7.39.1	Detailed Description	105



---

7.39.2	Member Function Documentation	105
7.39.2.1	createContent()	105
7.39.2.2	createEntry()	105
7.39.2.3	createGeoContent()	105
7.39.2.4	createImage()	106
7.39.2.5	createTextContent()	106
7.39.2.6	createTimeline()	106
7.39.2.7	createUrlContent()	106
7.40	cz.vutbr.fit.xtutko00.model.rdf.TextContent Class Reference	107
7.40.1	Detailed Description	108
7.40.2	Constructor & Destructor Documentation	108
7.40.2.1	TextContent()	108
7.40.3	Member Function Documentation	108
7.40.3.1	addToModel()	108
7.40.3.2	getClassIRI()	109
7.40.3.3	getProperties()	109
7.40.3.4	getText()	109
7.40.3.5	setText()	109
7.40.4	Member Data Documentation	109
7.40.4.1	CLASS_IRI	109
7.41	cz.vutbr.fit.xtutko00.model.rdf.Timeline Class Reference	110
7.41.1	Detailed Description	111
7.41.2	Constructor & Destructor Documentation	111
7.41.2.1	Timeline()	111
7.41.3	Member Function Documentation	111
7.41.3.1	addEntry()	111
7.41.3.2	addToModel()	111
7.41.3.3	getClassIRI()	112
7.41.3.4	getEntities()	112
7.41.3.5	getEntries()	112

7.41.3.6	<a href="#">getProperties()</a> . . . . .	112
7.41.3.7	<a href="#">getSourceId()</a> . . . . .	112
7.41.3.8	<a href="#">setSourceId()</a> . . . . .	112
7.41.4	<a href="#">Member Data Documentation</a> . . . . .	112
7.41.4.1	<a href="#">CLASS_IRI</a> . . . . .	112
7.42	<a href="#">cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory Class Reference</a> . . . . .	113
7.42.1	<a href="#">Detailed Description</a> . . . . .	114
7.42.2	<a href="#">Constructor &amp; Destructor Documentation</a> . . . . .	114
7.42.2.1	<a href="#">TwitterEntityFactory()</a> . . . . .	114
7.42.3	<a href="#">Member Function Documentation</a> . . . . .	114
7.42.3.1	<a href="#">createContent()</a> . . . . .	114
7.42.3.2	<a href="#">createEntry()</a> [1/2] . . . . .	115
7.42.3.3	<a href="#">createEntry()</a> [2/2] . . . . .	115
7.42.3.4	<a href="#">createGeoContent()</a> [1/2] . . . . .	115
7.42.3.5	<a href="#">createGeoContent()</a> [2/2] . . . . .	115
7.42.3.6	<a href="#">createImage()</a> [1/2] . . . . .	115
7.42.3.7	<a href="#">createImage()</a> [2/2] . . . . .	115
7.42.3.8	<a href="#">createTextContent()</a> [1/2] . . . . .	116
7.42.3.9	<a href="#">createTextContent()</a> [2/2] . . . . .	116
7.42.3.10	<a href="#">createTimeline()</a> [1/2] . . . . .	116
7.42.3.11	<a href="#">createTimeline()</a> [2/2] . . . . .	116
7.42.3.12	<a href="#">createUrlContent()</a> [1/2] . . . . .	116
7.42.3.13	<a href="#">createUrlContent()</a> [2/2] . . . . .	116
7.42.3.14	<a href="#">getInstance()</a> . . . . .	117
7.43	<a href="#">cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntry Class Reference</a> . . . . .	117
7.43.1	<a href="#">Detailed Description</a> . . . . .	118
7.43.2	<a href="#">Constructor &amp; Destructor Documentation</a> . . . . .	118
7.43.2.1	<a href="#">TwitterEntry()</a> . . . . .	119
7.44	<a href="#">cz.vutbr.fit.xtutko00.source.twitter.model.TwitterGeoContent Class Reference</a> . . . . .	119
7.44.1	<a href="#">Detailed Description</a> . . . . .	120

---

7.44.2	Constructor & Destructor Documentation	121
7.44.2.1	TwitterGeoContent()	121
7.45	cz.vutbr.fit.xtutko00.source.twitter.model.TwitterImage Class Reference	121
7.45.1	Detailed Description	122
7.45.2	Constructor & Destructor Documentation	123
7.45.2.1	TwitterImage()	123
7.46	cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient Class Reference	123
7.46.1	Detailed Description	124
7.46.2	Constructor & Destructor Documentation	124
7.46.2.1	TwitterSourceClient()	124
7.46.3	Member Function Documentation	124
7.46.3.1	getTimeline()	125
7.47	cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClientConfig Class Reference	126
7.47.1	Detailed Description	127
7.47.2	Constructor & Destructor Documentation	127
7.47.2.1	TwitterSourceClientConfig()	127
7.48	cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTextContent Class Reference	128
7.48.1	Detailed Description	129
7.48.2	Constructor & Destructor Documentation	130
7.48.2.1	TwitterTextContent()	130
7.49	cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTimeline Class Reference	130
7.49.1	Detailed Description	131
7.49.2	Constructor & Destructor Documentation	131
7.49.2.1	TwitterTimeline()	132
7.49.3	Member Function Documentation	132
7.49.3.1	getLabel()	132
7.50	cz.vutbr.fit.xtutko00.source.twitter.model.TwitterURLContent Class Reference	133
7.50.1	Detailed Description	134
7.50.2	Constructor & Destructor Documentation	135
7.50.2.1	TwitterURLContent()	135

---

7.51	<a href="#">cz.vutbr.fit.xtutko00.model.rdf.URLContent Class Reference</a>	135
7.51.1	<a href="#">Detailed Description</a>	137
7.51.2	<a href="#">Constructor &amp; Destructor Documentation</a>	137
7.51.2.1	<a href="#">URLContent()</a>	137
7.51.3	<a href="#">Member Function Documentation</a>	137
7.51.3.1	<a href="#">addToModel()</a>	137
7.51.3.2	<a href="#">getClassIRI()</a>	137
7.51.3.3	<a href="#">getProperties()</a>	137
7.51.3.4	<a href="#">getSourceUrl()</a>	138
7.51.3.5	<a href="#">getText()</a>	138
7.51.3.6	<a href="#">setSourceUrl()</a>	138
7.51.3.7	<a href="#">setText()</a>	138
7.51.4	<a href="#">Member Data Documentation</a>	138
7.51.4.1	<a href="#">CLASS_IRI</a>	138
7.52	<a href="#">cz.vutbr.fit.xtutko00.utils.XmlResourceParser Class Reference</a>	139
7.52.1	<a href="#">Detailed Description</a>	139
7.52.2	<a href="#">Constructor &amp; Destructor Documentation</a>	140
7.52.2.1	<a href="#">XmlResourceParser()</a>	140
7.52.3	<a href="#">Member Function Documentation</a>	140
7.52.3.1	<a href="#">parse()</a>	140

---

<b>8</b>	<b>File Documentation</b>	<b>141</b>
8.1	<a href="#">/home/burgetr/git/socializer/README.md File Reference</a>	141
8.2	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/halyard/HalyardHBaseClient.java File Reference</a>	141
8.3	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClient.java File Reference</a>	141
8.4	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClientConfig.java File Reference</a>	141
8.5	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClientFactory.java File Reference</a>	142
8.6	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/hgraphdb/HGraphDbHBaseClient.java File Reference</a>	142
8.7	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainHalyard.java File Reference</a>	142
8.8	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainHGraphDb.java File Reference</a>	142
8.9	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainSpark.java File Reference</a>	143
8.10	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/EntityFactory.java File Reference</a>	143
8.11	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/RDFEntity.java File Reference</a>	143
8.12	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/ResourceFactory.java File Reference</a>	143
8.13	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/property/RdfPropertyEntity.java File Reference</a>	144
8.14	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Content.java File Reference</a>	144
8.15	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Entry.java File Reference</a>	144
8.16	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/GeoContent.java File Reference</a>	144
8.17	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Image.java File Reference</a>	145
8.18	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/TAFactory.java File Reference</a>	145
8.19	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/TextContent.java File Reference</a>	145
8.20	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Timeline.java File Reference</a>	145
8.21	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/URLContent.java File Reference</a>	146
8.22	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/vocabulary/TA.java File Reference</a>	146

8.23	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/ESourceType.java File Reference	146
8.24	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/FacebookSourceClient.java File Reference	146
8.25	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/FacebookSourceClientConfig.java File Reference	147
8.26	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBEntityFactory.java File Reference	147
8.27	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBEntry.java File Reference	147
8.28	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBGeoContent.java File Reference	147
8.29	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBImage.java File Reference	148
8.30	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBTextContent.java File Reference	148
8.31	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBTimeline.java File Reference	148
8.32	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBURLContent.java File Reference	148
8.33	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/Source.java File Reference	149
8.34	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/SourceClient.java File Reference	149
8.35	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/SourceClientConfig.java File Reference	149
8.36	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/SourceClientFactory.java File Reference	149
8.37	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterEntityFactory.java File Reference	150
8.38	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterEntry.java File Reference	150
8.39	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterGeoContent.java File Reference	150
8.40	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterImage.java File Reference	150
8.41	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterTextContent.java File Reference	151
8.42	/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterTimeline.java File Reference	151

---

8.43	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterURL↔ Content.java File Reference</a>	151
8.44	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/TwitterSourceClient.java File Reference</a>	151
8.45	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/TwitterSourceClient↔ Config.java File Reference</a>	152
8.46	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/spark/SparkRunner.java File Reference</a>	152
8.47	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/spark/SparkRunnerConf.java File Reference</a>	152
8.48	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/TableBuilder.java File Reference</a>	152
8.49	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utills/IdMaker.java File Reference</a>	153
8.50	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utills/Logger.java File Reference</a>	153
8.51	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utills/StopWatch.java File Reference</a>	153
8.52	<a href="#">/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utills/XMLResourceParser.java File Reference</a>	153
<b>Index</b>		<b>155</b>





# Chapter 1

## Socializer

The *Socializer* tool uses a Hadoop/Spark cluster to download and extract events from social networks. It provides a data source for the *Timeline Analyzer* as an alternative to the built-in locally running tools.

### Installation

#### Halyard Common dependency

Application requires `Halyard-Common` dependency, which is not in standard Maven repo. To install it into your local repo, run this command in application root folder.

```
mvn install:install-file -Dfile=libs/halyard-common-1.4-SNAPSHOT.jar -DgroupId=com.msd.gin.halyard.common -DartifactId=halyard-common -Dversion=1.4-SNAPSHOT -Dpackaging=jar -DgeneratePom=true
```

### Configuration

#### Credentials

Set Facebook and Twitter credentials in `configuration.xml`.

```
{ $xml }
<property>
  <name>twitter.consumer.key</name>
  <value>key</value>
</property>
<property>
  <name>twitter.consumer.secret</name>
  <value>secret</value>
</property>

<property>
  <name>facebook.app.id</name>
  <value>id</value>
</property>
<property>
  <name>facebook.app.secret</name>
  <value>secret</value>
</property>
```

## HBase

Copy content of your `hbase-site.xml` into project's `hbase-site.xml`. This file can be found in your HBase installation folder.

## Spark

Optionally you can specify some Spark properties into `configuration.xml`. This properties won't be overridden by `spark-submit` arguments. See all available properties at <https://spark.apache.org/docs/latest/configuration.html>.

## Cluster

Set number of partitions of you cluster in `configuration.xml`. This number means how much nodes cluster contains.

```
{$xml}
<property>
  <name>cluster.partition_num</name>
  <value>1</value>
</property>
```

## Build

Build jar with dependencies.

```
{$xslt}
mvn clean compile assembly:single
```

## Usage

### Creating tables

Created HBase tables has `_halyard/_hgraphdb` suffix. You don't have to write this suffix when using application because it will be automatically added in the code.

Sometimes, there it is not possible to create required tables via `spark-submit` job. If you are not able to create the table (`spark-submit` job freeze on start), use this builder:

```
{$xslt}
java -cp socializer-1.0-jar-with-dependencies.jar cz.vutbr.fit.xtutko00.TableBuilder [halyard/hgraphdb]
[table_name_without_suffix]
```

## Downloading data

Submit built jar into Spark cluster with `spark-submit`.

Jar params:

- `-hc, --hbase_client <arg>` HBase client (halyard or hgraphdb)
- `-ht, --hbase_tablename <arg>` name of the HBase table (without suffix)
- `-s, --sources <arg>` file with sources, each on new line (line format: T/F:sourceName)

Example:

```
$spark-submit --class cz.vutbr.fit.xtutko00.MainSpark socializer-1.0-jar-with-dependencies.jar -s
sources.txt -hc halyard -ht test_table
```

## Testing database clients

Application contains functionality to test both implementations of database clients in one run. Data are firstly downloaded distributed on cluster, then collected to one node and then inserted into database with both Halyard and HGraphDB frameworks. Inserting data is also distributed.

This way it is possible to test writing speeds of both Halyard and HGraphDB.

To use application in testing mode, exclude database client from arguments. Example:

```
$spark-submit --class cz.vutbr.fit.xtutko00.MainSpark socializer-1.0-jar-with-dependencies.jar -s
sources.txt -ht test_table
```

## Analyzing data

Both HGraphDB and Halyard clients have several database queries to analyze data:

- `longestText`: get entry with the longest text
- `timestamps`: get entries newer than 2018
- `timestampsSort`: get entries newer than 2018 sorted by time
- `numberOfEntries`: get timelines with number of entries
- `sharedUrls`: get urls, which are occurred in the database at least 2 times, sorted by occurrence

## Halyard

To use Halyard tests you have to have Halyard RDF4J server and workbench distribution installed on your cluster (see <https://merck.github.io/Halyard/tools.html#rdf4j-web-applications>).

Then you have to create RDF4J Halyard HBase store (see <https://merck.github.io/Halyard/usage.html#with-rdf4j-workbench>) pointing to your HBase table. Don't forget to use `_halyard` suffix.

Usage:

- `serverUrl` - url to rdf4j server (f.e. `http://localhost:8080/rdf4j-server`)
- `repositoryName` - name of the repository you have created (can be view via rdf4j workbench)

```
$ java -cp socializer-1.0-jar-with-dependencies.jar cz.vutbr.fit.xtutko00.MainHalyard [server_url]
[repository_name] [test_name]
```

## HGraphDB

Since HGraphDB is connecting right into HBase database, tests have to be runned on master node of the cluster with configured `hbase-site.xml` file.

### Usage:

```
$ java -cp socializer-1.0-jar-with-dependencies.jar cz.vutbr.fit.xtutko00.MainHGraphDb  
    [table_name_without_suffix] [test_name]
```

## Acknowledgements

*This work was supported by the Ministry of the Interior of the Czech Republic as a part of the project Integrated platform for analysis of digital data from security incidents VI20172020062.*

# Chapter 2

## Namespace Index

### 2.1 Packages

Here are the packages with brief descriptions (if available):

- [cz](#) . . . . . 13
- [cz.vutbr](#) . . . . . 13
- [cz.vutbr.fit](#) . . . . . 13
- [cz.vutbr.fit.xtutko00](#) . . . . . 13
- [cz.vutbr.fit.xtutko00.hbase](#) . . . . . 14
- [cz.vutbr.fit.xtutko00.hbase.halyard](#) . . . . . 14
- [cz.vutbr.fit.xtutko00.hbase.hgraphdb](#) . . . . . 14
- [cz.vutbr.fit.xtutko00.model](#) . . . . . 14
- [cz.vutbr.fit.xtutko00.model.core](#) . . . . . 15
- [cz.vutbr.fit.xtutko00.model.property](#) . . . . . 15
- [cz.vutbr.fit.xtutko00.model.rdf](#) . . . . . 15
- [cz.vutbr.fit.xtutko00.model.rdf.vocabulary](#) . . . . . 15
- [cz.vutbr.fit.xtutko00.source](#) . . . . . 15
- [cz.vutbr.fit.xtutko00.source.facebook](#) . . . . . 16
- [cz.vutbr.fit.xtutko00.source.facebook.model](#) . . . . . 16
- [cz.vutbr.fit.xtutko00.source.twitter](#) . . . . . 17
- [cz.vutbr.fit.xtutko00.source.twitter.model](#) . . . . . 17
- [cz.vutbr.fit.xtutko00.spark](#) . . . . . 18
- [cz.vutbr.fit.xtutko00.utils](#) . . . . . 18



## Chapter 3

# Hierarchical Index

### 3.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.EClient	22
cz.vutbr.fit.xtutko00.model.core.EntityFactory	22
cz.vutbr.fit.xtutko00.model.rdf.TAFactory	104
cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory	32
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory	113
cz.vutbr.fit.xtutko00.utils.IdMaker	64
cz.vutbr.fit.xtutko00.MainHalyard	70
cz.vutbr.fit.xtutko00.MainHGraphDb	71
cz.vutbr.fit.xtutko00.MainSpark	72
cz.vutbr.fit.xtutko00.model.core.ResourceFactory	83
cz.vutbr.fit.xtutko00.utils.StopWatch	94
cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA	96
cz.vutbr.fit.xtutko00.TableBuilder	103
Serializable	
cz.vutbr.fit.xtutko00.hbase.HBaseClient	57
cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient	54
cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient	62
cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig	58
cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory	60
cz.vutbr.fit.xtutko00.model.core.RDFEntity	72
cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity	81
cz.vutbr.fit.xtutko00.model.rdf.Content	19
cz.vutbr.fit.xtutko00.model.rdf.GeoContent	50
cz.vutbr.fit.xtutko00.source.facebook.model.FBGeoContent	39
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterGeoContent	119
cz.vutbr.fit.xtutko00.model.rdf.Image	65
cz.vutbr.fit.xtutko00.source.facebook.model.FBImage	41
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterImage	121
cz.vutbr.fit.xtutko00.model.rdf.TextContent	107
cz.vutbr.fit.xtutko00.source.facebook.model.FBTextContent	43
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTextContent	128
cz.vutbr.fit.xtutko00.model.rdf.URLContent	135
cz.vutbr.fit.xtutko00.source.facebook.model.FBURLContent	48
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterURLContent	133

---

cz.vutbr.fit.xtutko00.model.rdf.Entry . . . . .	23
cz.vutbr.fit.xtutko00.source.facebook.model.FBEntry . . . . .	37
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntry . . . . .	117
cz.vutbr.fit.xtutko00.model.rdf.Timeline . . . . .	110
cz.vutbr.fit.xtutko00.source.facebook.model.FBTimeline . . . . .	45
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTimeline . . . . .	130
cz.vutbr.fit.xtutko00.source.ESourceType . . . . .	27
cz.vutbr.fit.xtutko00.source.Source . . . . .	84
cz.vutbr.fit.xtutko00.source.SourceClient . . . . .	85
cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient . . . . .	28
cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient . . . . .	123
cz.vutbr.fit.xtutko00.source.SourceClientConfig . . . . .	87
cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClientConfig . . . . .	30
cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClientConfig . . . . .	126
cz.vutbr.fit.xtutko00.source.SourceClientFactory . . . . .	88
cz.vutbr.fit.xtutko00.spark.SparkRunner . . . . .	90
cz.vutbr.fit.xtutko00.spark.SparkRunnerConf . . . . .	92
cz.vutbr.fit.xtutko00.utils.Logger . . . . .	68
cz.vutbr.fit.xtutko00.utils.XmlResourceParser . . . . .	139



# Chapter 4

## Class Index

### 4.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

<a href="#">cz.vutbr.fit.xtutko00.model.rdf.Content</a>	19
<a href="#">cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.EClient</a>	22
<a href="#">cz.vutbr.fit.xtutko00.model.core.EntityFactory</a>	22
<a href="#">cz.vutbr.fit.xtutko00.model.rdf.Entry</a>	23
<a href="#">cz.vutbr.fit.xtutko00.source.ESourceType</a>	27
<a href="#">cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient</a>	28
<a href="#">cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClientConfig</a>	30
<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory</a>	32
<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBEntry</a>	37
<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBGeoContent</a>	39
<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBImage</a>	41
<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBTextContent</a>	43
<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBTimeline</a>	45
<a href="#">cz.vutbr.fit.xtutko00.source.facebook.model.FBURLContent</a>	48
<a href="#">cz.vutbr.fit.xtutko00.model.rdf.GeoContent</a>	50
<a href="#">cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient</a>	54
<a href="#">cz.vutbr.fit.xtutko00.hbase.HBaseClient</a>	57
<a href="#">cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig</a>	58
<a href="#">cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory</a>	60
<a href="#">cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient</a>	62
<a href="#">cz.vutbr.fit.xtutko00.utils.IdMaker</a>	64
<a href="#">cz.vutbr.fit.xtutko00.model.rdf.Image</a>	65
<a href="#">cz.vutbr.fit.xtutko00.utils.Logger</a>	68
<a href="#">cz.vutbr.fit.xtutko00.MainHalyard</a>	70
<a href="#">cz.vutbr.fit.xtutko00.MainHGraphDb</a>	71
<a href="#">cz.vutbr.fit.xtutko00.MainSpark</a>	72
<a href="#">cz.vutbr.fit.xtutko00.model.core.RDFEntity</a>	72
<a href="#">cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity</a>	81
<a href="#">cz.vutbr.fit.xtutko00.model.core.ResourceFactory</a>	83
<a href="#">cz.vutbr.fit.xtutko00.source.Source</a>	84
<a href="#">cz.vutbr.fit.xtutko00.source.SourceClient</a>	85
<a href="#">cz.vutbr.fit.xtutko00.source.SourceClientConfig</a>	87
<a href="#">cz.vutbr.fit.xtutko00.source.SourceClientFactory</a>	88
<a href="#">cz.vutbr.fit.xtutko00.spark.SparkRunner</a>	90
<a href="#">cz.vutbr.fit.xtutko00.spark.SparkRunnerConf</a>	92

<a href="#">cz.vutbr.fit.xtutko00.utils.StopWatch</a>	94
<a href="#">cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA</a>	96
<a href="#">cz.vutbr.fit.xtutko00.TableBuilder</a>	103
<a href="#">cz.vutbr.fit.xtutko00.model.rdf.TAFactory</a>	104
<a href="#">cz.vutbr.fit.xtutko00.model.rdf.TextContent</a>	107
<a href="#">cz.vutbr.fit.xtutko00.model.rdf.Timeline</a>	110
<a href="#">cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory</a>	113
<a href="#">cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntry</a>	117
<a href="#">cz.vutbr.fit.xtutko00.source.twitter.model.TwitterGeoContent</a>	119
<a href="#">cz.vutbr.fit.xtutko00.source.twitter.model.TwitterImage</a>	121
<a href="#">cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient</a>	123
<a href="#">cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClientConfig</a>	126
<a href="#">cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTextContent</a>	128
<a href="#">cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTimeline</a>	130
<a href="#">cz.vutbr.fit.xtutko00.source.twitter.model.TwitterURLContent</a>	133
<a href="#">cz.vutbr.fit.xtutko00.model.rdf.URLContent</a>	135
<a href="#">cz.vutbr.fit.xtutko00.utils.XmlResourceParser</a>	139

# Chapter 5

## File Index

### 5.1 File List

Here is a list of all files with brief descriptions:

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainHalyard.java	142
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainHGraphDb.java	142
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainSpark.java	143
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/TableBuilder.java	152
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClient.java	141
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClientConfig.java	141
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClientFactory.java	142
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/halyard/HalyardHBaseClient.java	141
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/hgraphdb/HGraphDbHBaseClient.java	142
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/EntityFactory.java	143
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/RDFEntity.java	143
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/ResourceFactory.java	143
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/property/RdfPropertyEntity.java	144
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Content.java	144
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Entry.java	144
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/GeoContent.java	144
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Image.java	145
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/TAFactory.java	145
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/TextContent.java	145
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Timeline.java	145
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/URLContent.java	146
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/vocabulary/TA.java	146
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/ESourceType.java	146
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/Source.java	149
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/SourceClient.java	149
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/SourceClientConfig.java	149
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/SourceClientFactory.java	149
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/FacebookSourceClient.java	146
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/FacebookSourceClientConfig.java	147
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBEntityFactory.java	147
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBEntry.java	147

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBGeoContent. java	147
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBImage.java	148
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBTextContent. java	148
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBTimeline.java	148
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBURLContent. java	148
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/TwitterSourceClient.java	151
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/TwitterSourceClientConfig. java	152
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterEntityFactory. java	150
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterEntry.java	150
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterGeoContent. java	150
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterImage.java	150
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterTextContent. java	151
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterTimeline.java	151
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterURLContent. java	151
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/spark/SparkRunner.java	152
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/spark/SparkRunnerConf.java	152
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utils/IdMaker.java	153
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utils/Logger.java	153
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utils/StopWatch.java	153
/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utils/XMLResourceParser.java	153

## Chapter 6

# Namespace Documentation

### 6.1 Package cz

#### Packages

- package [vutbr](#)

### 6.2 Package cz.vutbr

#### Packages

- package [fit](#)

### 6.3 Package cz.vutbr.fit

#### Packages

- package [xtutko00](#)

### 6.4 Package cz.vutbr.fit.xtutko00

#### Packages

- package [hbase](#)
- package [model](#)
- package [source](#)
- package [spark](#)
- package [utils](#)

## Classes

- class [MainHalyard](#)
- class [MainHGraphDb](#)
- class [MainSpark](#)
- class [TableBuilder](#)

## 6.5 Package [cz.vutbr.fit.xtutko00.hbase](#)

### Packages

- package [halyard](#)
- package [hgraphdb](#)

### Classes

- interface [HBaseClient](#)
- class [HBaseClientConfig](#)
- class [HBaseClientFactory](#)

## 6.6 Package [cz.vutbr.fit.xtutko00.hbase.halyard](#)

### Classes

- class [HalyardHBaseClient](#)

## 6.7 Package [cz.vutbr.fit.xtutko00.hbase.hgraphdb](#)

### Classes

- class [HGraphDbHBaseClient](#)

## 6.8 Package [cz.vutbr.fit.xtutko00.model](#)

### Packages

- package [core](#)
- package [property](#)
- package [rdf](#)

## 6.9 Package cz.vutbr.fit.xtutko00.model.core

### Classes

- interface [EntityFactory](#)
- class [RDFEntity](#)
- class [ResourceFactory](#)

## 6.10 Package cz.vutbr.fit.xtutko00.model.property

### Classes

- class [RdfPropertyEntity](#)

## 6.11 Package cz.vutbr.fit.xtutko00.model.rdf

### Packages

- package [vocabulary](#)

### Classes

- class [Content](#)
- class [Entry](#)
- class [GeoContent](#)
- class [Image](#)
- interface [TAFactory](#)
- class [TextContent](#)
- class [Timeline](#)
- class [URLContent](#)

## 6.12 Package cz.vutbr.fit.xtutko00.model.rdf.vocabulary

### Classes

- class [TA](#)

## 6.13 Package cz.vutbr.fit.xtutko00.source

### Packages

- package [facebook](#)
- package [twitter](#)

## Classes

- enum [ESourceType](#)
- class [Source](#)
- interface [SourceClient](#)
- class [SourceClientConfig](#)
- class [SourceClientFactory](#)

## 6.14 Package cz.vutbr.fit.xtutko00.source.facebook

### Packages

- package [model](#)

### Classes

- class [FacebookSourceClient](#)
- class [FacebookSourceClientConfig](#)

## 6.15 Package cz.vutbr.fit.xtutko00.source.facebook.model

### Classes

- class [FBEntityFactory](#)
- class [FBEntry](#)
- class [FBGeoContent](#)
- class [FBImage](#)
- class [FBTextContent](#)
- class [FBTimeline](#)
- class [FBURLContent](#)

### 6.15.1 Detailed Description

#### [FBEntityFactory.java](#)

Created on 7. 3. 2018, 13:13:03 by burgetr

#### [FBEntry.java](#)

Created on 7. 3. 2018, 13:09:41 by burgetr

#### [FBGeoContent.java](#)

Created on 7. 3. 2018, 13:11:58 by burgetr

#### [FBImage.java](#)

Created on 7. 3. 2018, 13:12:24 by burgetr

#### [FBTextContent.java](#)

Created on 7. 3. 2018, 13:10:23 by burgetr

#### [FBTimeline.java](#)

Created on 7. 3. 2018, 13:08:35 by burgetr

#### [FBURLContent.java](#)

Created on 7. 3. 2018, 13:11:13 by burgetr



## 6.16 Package cz.vutbr.fit.xtutko00.source.twitter

### Packages

- package [model](#)

### Classes

- class [TwitterSourceClient](#)
- class [TwitterSourceClientConfig](#)

## 6.17 Package cz.vutbr.fit.xtutko00.source.twitter.model

### Classes

- class [TwitterEntityFactory](#)
- class [TwitterEntry](#)
- class [TwitterGeoContent](#)
- class [TwitterImage](#)
- class [TwitterTextContent](#)
- class [TwitterTimeline](#)
- class [TwitterURLContent](#)

### 6.17.1 Detailed Description

#### [TwitterEntityFactory.java](#)

Created on 28. 7. 2017, 13:29:15 by burgetr

#### [TwitterEntry.java](#)

Created on 28. 7. 2017, 13:27:04 by burgetr

#### [TwitterGeoContent.java](#)

Created on 31. 7. 2017, 13:29:13 by burgetr

#### [TwitterImage.java](#)

Created on 28. 7. 2017, 13:28:22 by burgetr

#### [TwitterTextContent.java](#)

Created on 28. 7. 2017, 13:27:41 by burgetr

#### [TwitterTimeline.java](#)

Created on 28. 7. 2017, 13:26:02 by burgetr

#### [TwitterURLContent.java](#)

Created on 31. 7. 2017, 13:29:56 by burgetr

## 6.18 Package cz.vutbr.fit.xtutko00.spark

### Classes

- class [SparkRunner](#)
- class [SparkRunnerConf](#)

## 6.19 Package cz.vutbr.fit.xtutko00.utils

### Classes

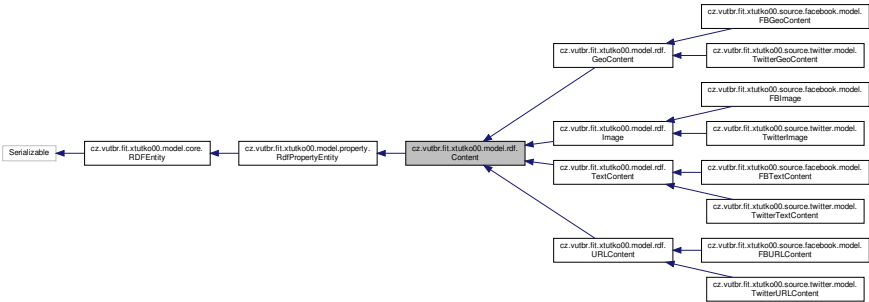
- class [IdMaker](#)
- class [Logger](#)
- class [StopWatch](#)
- class [XmlResourceParser](#)

# Chapter 7

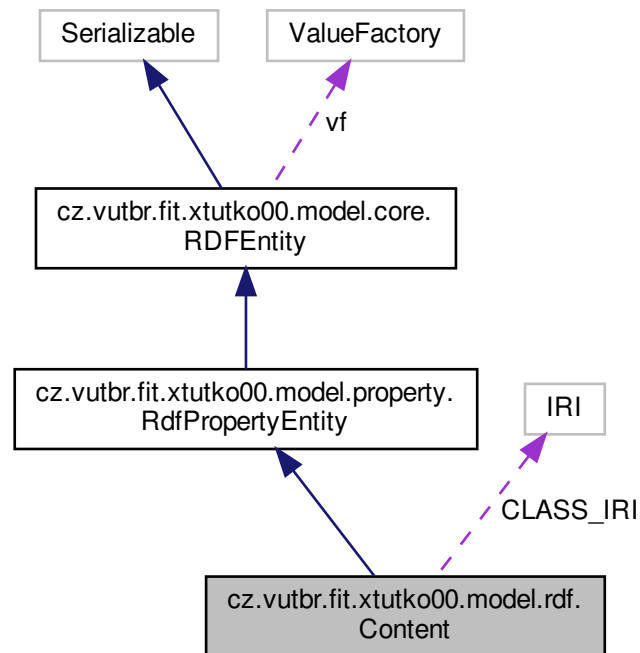
## Class Documentation

### 7.1 cz.vutbr.fit.xtutko00.model.rdf.Content Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.model.rdf.Content:



Collaboration diagram for `cz.vutbr.fit.xtutko00.model.rdf.Content`:



### Public Member Functions

- `Content` (`IRI iri`)
- `IRI getClassIRI ()`
- `void addToModel (Model model)`

### Static Public Attributes

- `static final IRI CLASS_IRI = vf.createIRI("http://nesfit.github.io/ontology/ta.owl#Content")`

### Protected Member Functions

- `Object [] getProperties (IdMaker idMaker)`

#### 7.1.1 Detailed Description

`Content`.

Reused from `timeline-analyzer`

Author

`xtutko00`

## 7.1.2 Constructor & Destructor Documentation

### 7.1.2.1 Content()

```
cz.vutbr.fit.xtutko00.model.rdf.Content.Content (
    IRI iri )
```

## 7.1.3 Member Function Documentation

### 7.1.3.1 addToModel()

```
void cz.vutbr.fit.xtutko00.model.rdf.Content.addToModel (
    Model model )
```

Reused from [timeline-analyzer](#)

#### Author

burgetr

### 7.1.3.2 getClassIRI()

```
IRI cz.vutbr.fit.xtutko00.model.rdf.Content.getClassIRI ( )
```

### 7.1.3.3 getProperties()

```
Object [] cz.vutbr.fit.xtutko00.model.rdf.Content.getProperties (
    IdMaker idMaker ) [protected]
```

Returns [Content](#) properties.

## 7.1.4 Member Data Documentation

### 7.1.4.1 CLASS\_IRI

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.Content.CLASS_IRI = vf.createIRI("http://nesfit.↵
github.io/ontology/ta.owl#Content") [static]
```

The documentation for this class was generated from the following file:

- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Content.java>

## 7.2 cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.EClient Enum Reference

### Public Attributes

- [HALYARD](#)
- [HGRAPHDB](#)

### 7.2.1 Member Data Documentation

#### 7.2.1.1 HALYARD

```
cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.EClient.HALYARD
```

#### 7.2.1.2 HGRAPHDB

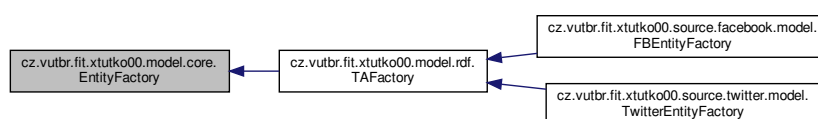
```
cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.EClient.HGRAPHDB
```

The documentation for this enum was generated from the following file:

- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClientFactory.java>

## 7.3 cz.vutbr.fit.xtutko00.model.core.EntityFactory Interface Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.model.core.EntityFactory:



### 7.3.1 Detailed Description

Reused from `timeline-analyzer`

Author

burgetr

The documentation for this interface was generated from the following file:

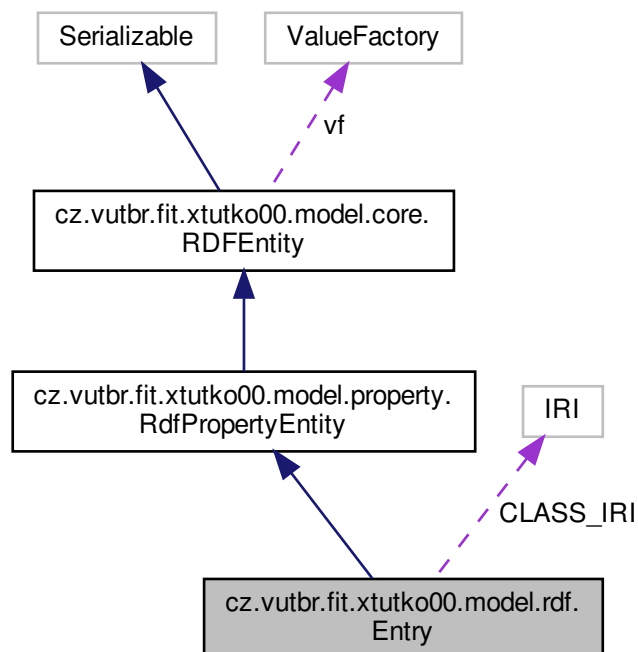
- `/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/EntityFactory.java`

## 7.4 cz.vutbr.fit.xtutko00.model.rdf.Entry Class Reference

Inheritance diagram for `cz.vutbr.fit.xtutko00.model.rdf.Entry`:



Collaboration diagram for `cz.vutbr.fit.xtutko00.model.rdf.Entry`:



## Public Member Functions

- [Entry](#) (IRI iri)
- IRI [getClassIRI](#) ()
- [Timeline](#) [getSourceTimeline](#) ()
- void [setSourceTimeline](#) ([Timeline](#) sourceTimeline)
- Set< [Content](#) > [getContains](#) ()
- String [getSourceId](#) ()
- void [setSourceId](#) (String sourceId)
- java.util.Date [getTimestamp](#) ()
- void [setTimestamp](#) (java.util.Date timestamp)
- void [addToModel](#) ([Model](#) model)

## Static Public Attributes

- static final IRI [CLASS\\_IRI](#) = vf.createIRI("http://nesfit.github.io/ontology/ta.owl#Entry")

## Protected Member Functions

- Object [] [getProperties](#) ([IdMaker](#) idMaker)
- Set< [RdfPropertyEntity](#) > [getEntities](#) ()

### 7.4.1 Detailed Description

[Entry](#).

Reused from `timeline-analyzer`

Author

[xtutko00](#)

### 7.4.2 Constructor & Destructor Documentation

#### 7.4.2.1 [Entry](#)()

```
cz.vutbr.fit.xtutko00.model.rdf.Entry.Entry (
    IRI iri )
```

### 7.4.3 Member Function Documentation



#### 7.4.3.1 addToModel()

```
void cz.vutbr.fit.xtutko00.model.rdf.Entry.addToModel (
    Model model )
```

Reused from [timeline-analyzer](#)

#### Author

burgetr

#### 7.4.3.2 getClassIRI()

```
IRI cz.vutbr.fit.xtutko00.model.rdf.Entry.getClassIRI ( )
```

#### 7.4.3.3 getContains()

```
Set<Content> cz.vutbr.fit.xtutko00.model.rdf.Entry.getContains ( )
```

#### 7.4.3.4 getEntities()

```
Set<RdfPropertyEntity> cz.vutbr.fit.xtutko00.model.rdf.Entry.getEntities ( ) [protected]
```

Returns [Entry](#) content.

#### 7.4.3.5 getProperties()

```
Object [] cz.vutbr.fit.xtutko00.model.rdf.Entry.getProperties (
    IdMaker idMaker ) [protected]
```

Returns [Entry](#) properties.

#### 7.4.3.6 getSourceId()

```
String cz.vutbr.fit.xtutko00.model.rdf.Entry.getSourceId ( )
```

#### 7.4.3.7 getSourceTimeline()

```
Timeline cz.vutbr.fit.xtutko00.model.rdf.Entry.getSourceTimeline ( )
```

#### 7.4.3.8 getTimestamp()

```
java.util.Date cz.vutbr.fit.xtutko00.model.rdf.Entry.getTimestamp ( )
```

#### 7.4.3.9 setSourceId()

```
void cz.vutbr.fit.xtutko00.model.rdf.Entry.setSourceId (
    String sourceId )
```

#### 7.4.3.10 setSourceTimeline()

```
void cz.vutbr.fit.xtutko00.model.rdf.Entry.setSourceTimeline (
    Timeline sourceTimeline )
```

#### 7.4.3.11 setTimestamp()

```
void cz.vutbr.fit.xtutko00.model.rdf.Entry.setTimestamp (
    java.util.Date timestamp )
```

### 7.4.4 Member Data Documentation

#### 7.4.4.1 CLASS\_IRI

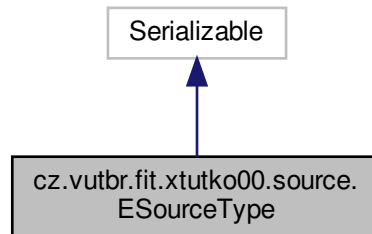
```
final IRI cz.vutbr.fit.xtutko00.model.rdf.Entry.CLASS_IRI = vf.createIRI("http://nesfit.↔
github.io/ontology/ta.owl#Entry") [static]
```

The documentation for this class was generated from the following file:

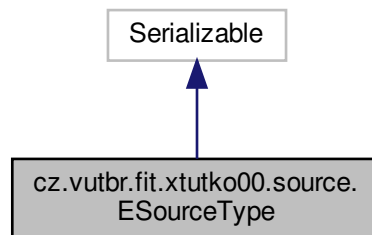
- /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/[Entry.java](#)

## 7.5 cz.vutbr.fit.xtutko00.source.ESourceType Enum Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.ESourceType:



Collaboration diagram for cz.vutbr.fit.xtutko00.source.ESourceType:



### Public Attributes

- [FACEBOOK](#)
- [TWITTER](#)

### 7.5.1 Detailed Description

Social network type.

#### Author

[xtutko00](#)

## 7.5.2 Member Data Documentation

### 7.5.2.1 FACEBOOK

```
cz.vutbr.fit.xtutko00.source.ESourceType.FACEBOOK
```

### 7.5.2.2 TWITTER

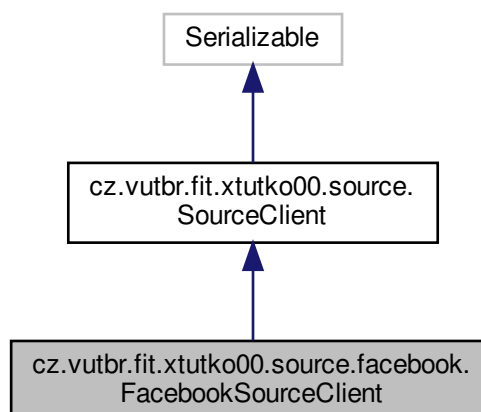
```
cz.vutbr.fit.xtutko00.source.ESourceType.TWITTER
```

The documentation for this enum was generated from the following file:

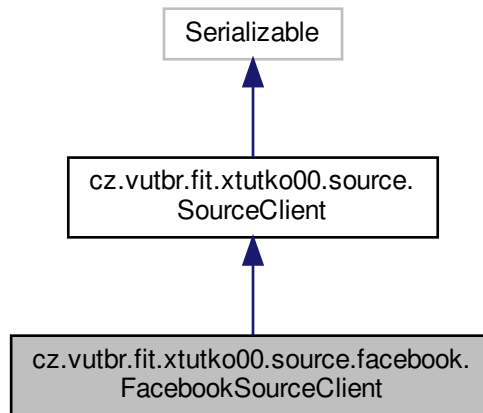
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/ESourceType.java](#)

## 7.6 cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient:



Collaboration diagram for cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient:



## Public Member Functions

- [FacebookSourceClient](#) (FacebookClient facebook, String untilDate)
- [Timeline getTimeline](#) (String pageName)

### 7.6.1 Detailed Description

Client for Facebook social network.

Some of the methods reused from [timeline-analyzer](#)

#### Author

[xtutko00](#)

### 7.6.2 Constructor & Destructor Documentation

#### 7.6.2.1 FacebookSourceClient()

```
cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient.FacebookSourceClient (
    FacebookClient facebook,
    String untilDate )
```

### 7.6.3 Member Function Documentation

#### 7.6.3.1 `getTimeline()`

```
Timeline cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient.getTimeline (
    String pageName )
```

Downloads timeline of given Facebook page.

##### Parameters

<i>pageName</i>	text id of FB page
-----------------	--------------------

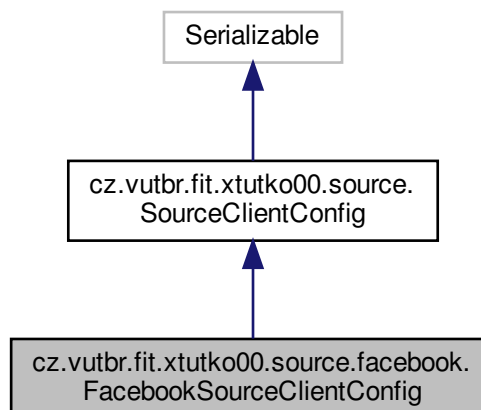
Implements [cz.vutbr.fit.xtutko00.source.SourceClient](#).

The documentation for this class was generated from the following file:

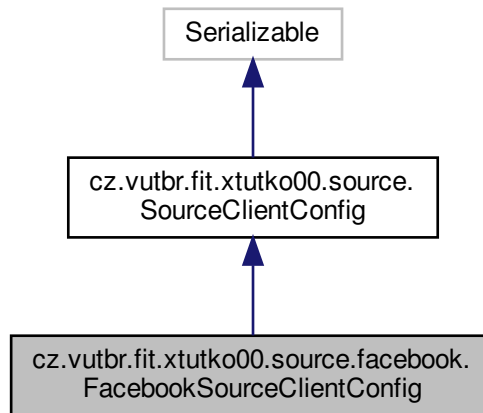
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/FacebookSourceClient.java](#)

## 7.7 `cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClientConfig` Class Reference

Inheritance diagram for `cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClientConfig`:



Collaboration diagram for cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClientConfig:



## Public Member Functions

- [FacebookSourceClientConfig](#) (String key, String secret, String untilDate)
- String [getUntilDate](#) ()

### 7.7.1 Detailed Description

Facebook source client config.

Author

[xtutko00](#)

### 7.7.2 Constructor & Destructor Documentation

#### 7.7.2.1 FacebookSourceClientConfig()

```
cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClientConfig.FacebookSourceClientConfig (
    String key,
    String secret,
    String untilDate )
```

### 7.7.3 Member Function Documentation

### 7.7.3.1 getUntilDate()

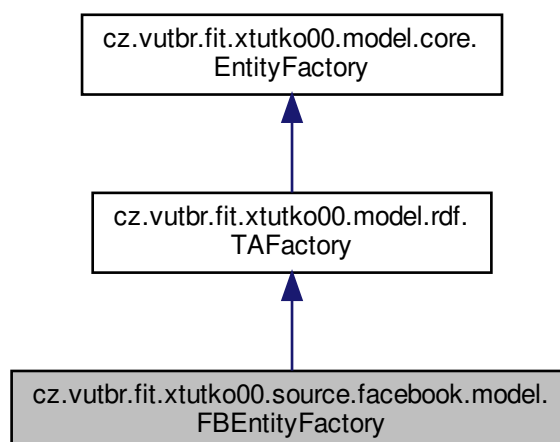
```
String cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClientConfig.getUntilDate ( )
```

The documentation for this class was generated from the following file:

- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/FacebookSourceClientConfig.java](#)

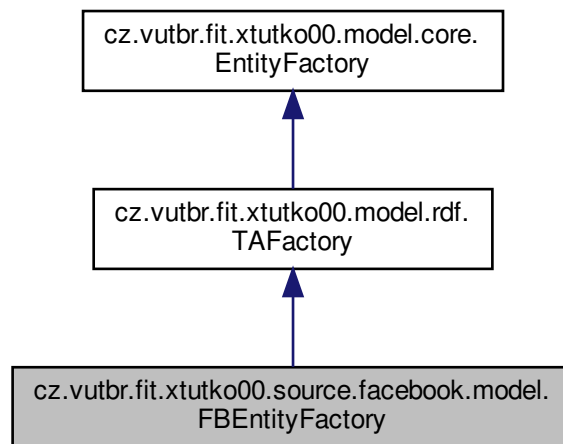
## 7.8 cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory:





Collaboration diagram for cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory:



### Public Member Functions

- [Content](#) `createContent` (IRI iri)
- [TextContent](#) `createTextContent` (IRI iri)
- [TextContent](#) `createTextContent` (String postId)
- [Image](#) `createImage` (IRI iri)
- [Image](#) `createImage` (String imageId)
- [Entry](#) `createEntry` (IRI iri)
- [Entry](#) `createEntry` (String postId)
- [Timeline](#) `createTimeline` (IRI iri)
- [Timeline](#) `createTimeline` (String profileId)
- [GeoContent](#) `createGeoContent` (IRI iri)
- [GeoContent](#) `createGeoContent` (String postId)
- [URLContent](#) `createUrlContent` (IRI iri)
- [URLContent](#) `createUrlContent` (String postId, int index)

### Static Public Member Functions

- static [FBEntityFactory](#) `getInstance` ()

### Protected Member Functions

- [FBEntityFactory](#) ()

#### 7.8.1 Detailed Description

Reused from [timeline-analyzer](#)

Author

burgetr

## 7.8.2 Constructor & Destructor Documentation

### 7.8.2.1 FBEntityFactory()

`cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.FBEntityFactory ( )` [protected]

## 7.8.3 Member Function Documentation

### 7.8.3.1 createContent()

`Content` `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createContent (`  
`IRI iri )`

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

### 7.8.3.2 createEntry() [1/2]

`Entry` `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createEntry (`  
`IRI iri )`

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

### 7.8.3.3 createEntry() [2/2]

`Entry` `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createEntry (`  
`String postId )`

### 7.8.3.4 createGeoContent() [1/2]

`GeoContent` `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createGeoContent (`  
`IRI iri )`

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

### 7.8.3.5 createGeoContent() [2/2]

`GeoContent` `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createGeoContent (String postId )`

### 7.8.3.6 createImage() [1/2]

`Image` `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createImage (IRI iri )`

Implements `cz.vutbr.fit.xtutko00.model.rdf.TAFactory`.

### 7.8.3.7 createImage() [2/2]

`Image` `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createImage (String imageId )`

### 7.8.3.8 createTextContent() [1/2]

`TextContent` `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createTextContent (IRI iri )`

Implements `cz.vutbr.fit.xtutko00.model.rdf.TAFactory`.

### 7.8.3.9 createTextContent() [2/2]

`TextContent` `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createTextContent (String postId )`

### 7.8.3.10 createTimeline() [1/2]

`Timeline` `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createTimeline (IRI iri )`

Implements `cz.vutbr.fit.xtutko00.model.rdf.TAFactory`.

### 7.8.3.11 createTimeline() [2/2]

```
Timeline cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createTimeline (
    String profileId )
```

### 7.8.3.12 createURLContent() [1/2]

```
URLContent cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createURLContent (
    IRI iri )
```

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

### 7.8.3.13 createURLContent() [2/2]

```
URLContent cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.createURLContent (
    String postId,
    int index )
```

### 7.8.3.14 getInstance()

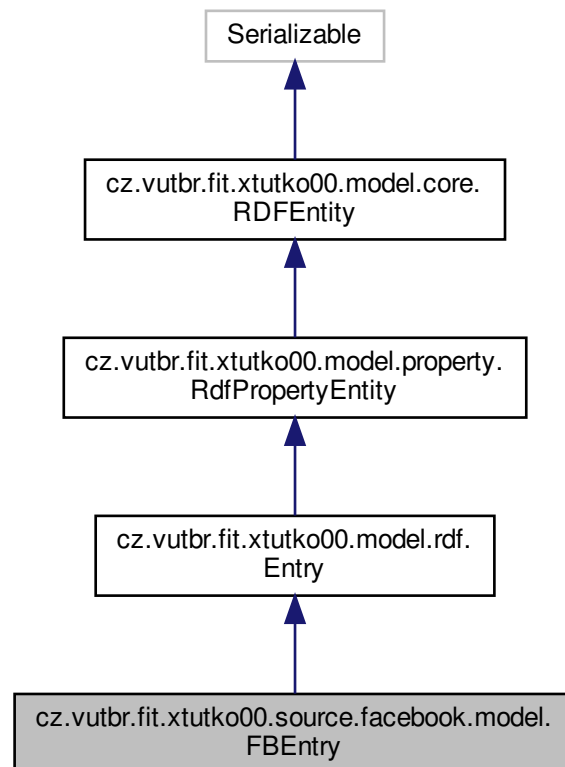
```
static FBEntityFactory cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory.getInstance
( ) [static]
```

The documentation for this class was generated from the following file:

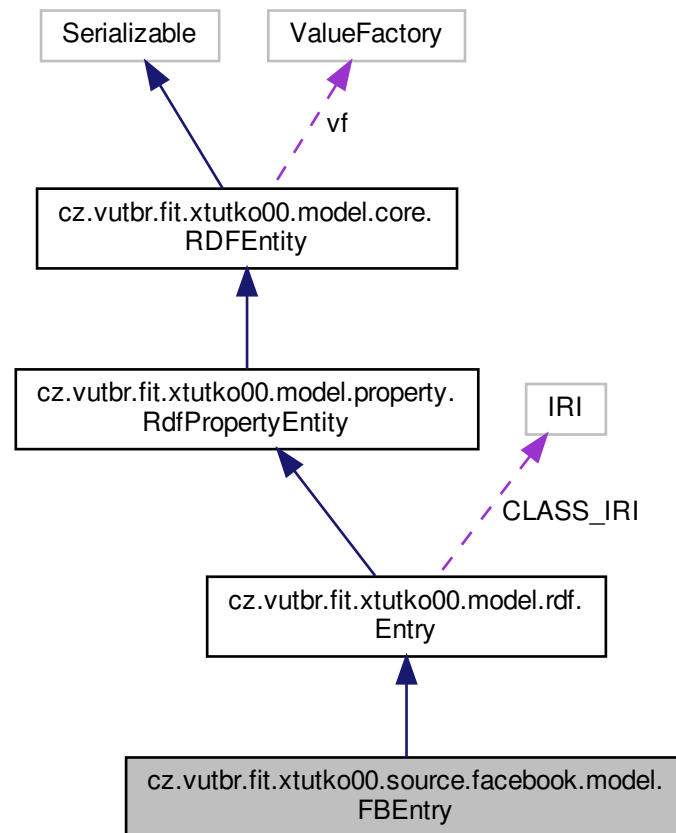
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBEntityFactory.java](#)

## 7.9 cz.vutbr.fit.xtutko00.source.facebook.model.FBEntry Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.facebook.model.FBEntry:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.facebook.model.FBEntry`:



## Public Member Functions

- [FBEntry](#) (IRI iri)

## Additional Inherited Members

### 7.9.1 Detailed Description

Reused from [timeline-analyzer](#)

Author

burgetr

### 7.9.2 Constructor & Destructor Documentation

## 7.9.2.1 FBEntry()

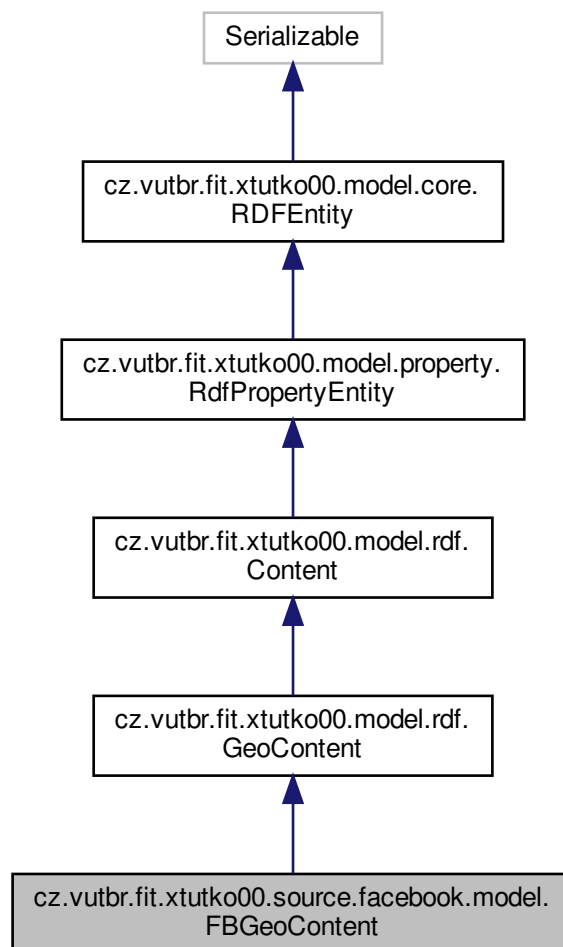
```
cz.vutbr.fit.xtutko00.source.facebook.model.FBEntry.FBEntry (
    IRI iri )
```

The documentation for this class was generated from the following file:

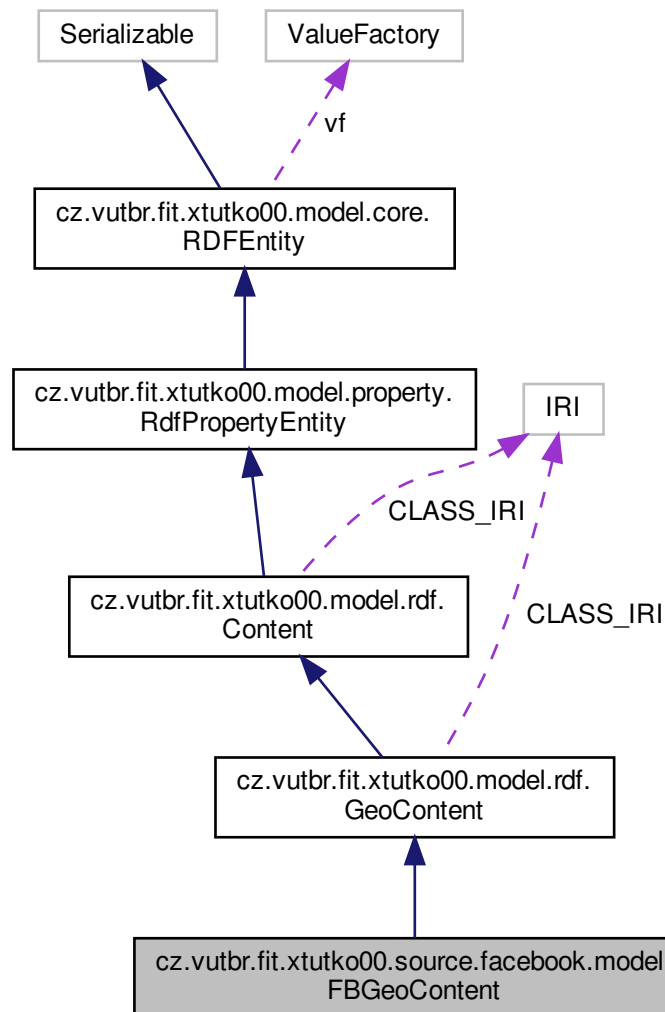
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBEntry.java](#)

## 7.10 cz.vutbr.fit.xtutko00.source.facebook.model.FBGeoContent Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.facebook.model.FBGeoContent:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.facebook.model.FBGeoContent`:



### Public Member Functions

- [FBGeoContent](#) (IRI iri)

### Additional Inherited Members

#### 7.10.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr



## 7.10.2 Constructor & Destructor Documentation

### 7.10.2.1 FBGeoContent()

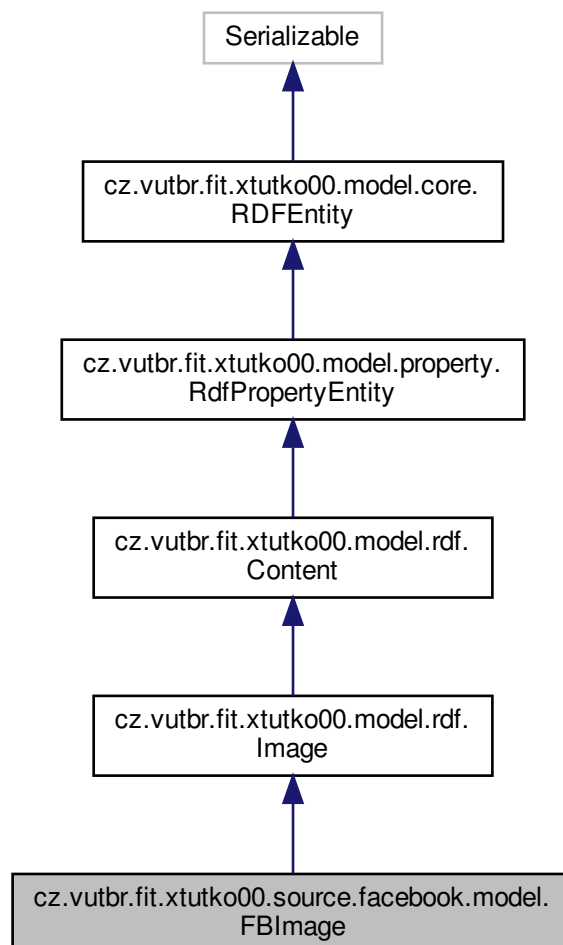
```
cz.vutbr.fit.xtutko00.source.facebook.model.FBGeoContent.FBGeoContent (
    IRI iri )
```

The documentation for this class was generated from the following file:

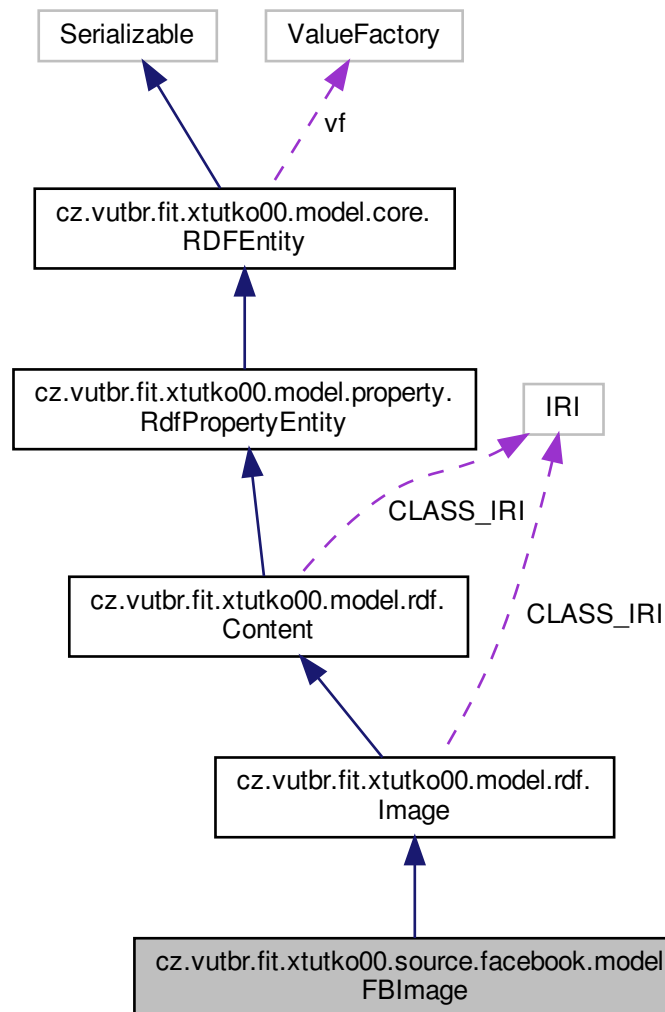
- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBGeoContent.java>

## 7.11 cz.vutbr.fit.xtutko00.source.facebook.model.FBImage Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.facebook.model.FBImage:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.facebook.model.FBImage`:



### Public Member Functions

- [FBImage](#) (IRI iri)

### Additional Inherited Members

#### 7.11.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

## 7.11.2 Constructor & Destructor Documentation

### 7.11.2.1 FBImage()

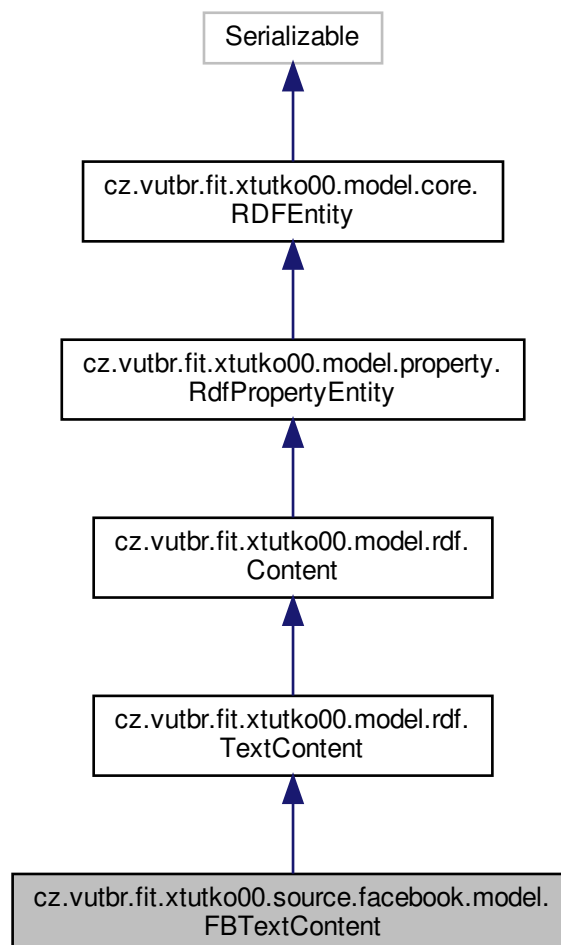
```
cz.vutbr.fit.xtutko00.source.facebook.model.FBImage.FBImage (  
    IRI iri )
```

The documentation for this class was generated from the following file:

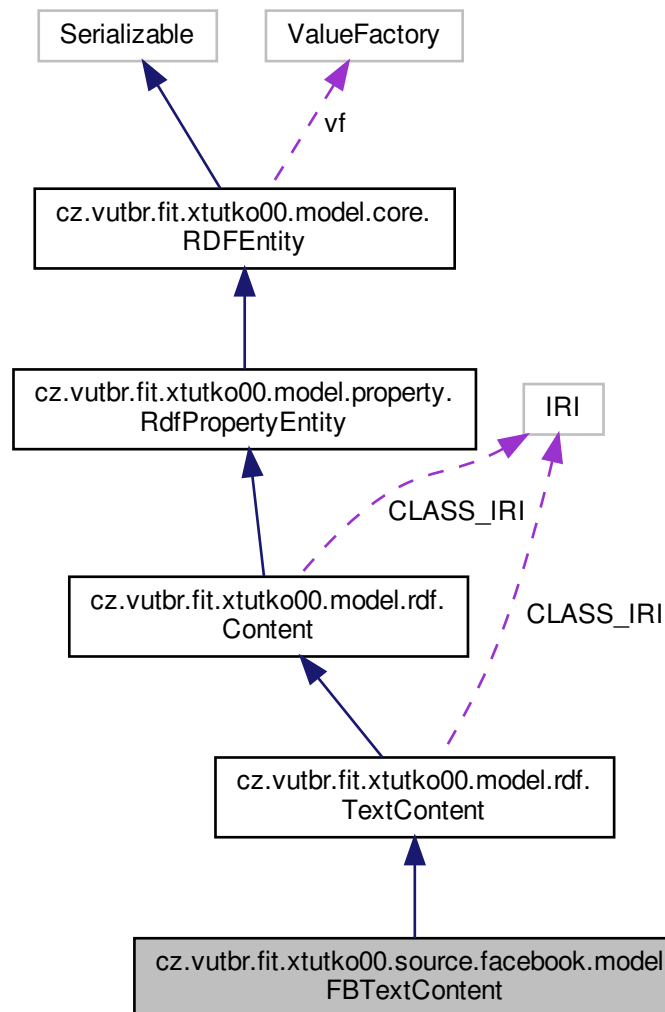
- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBImage.java>

## 7.12 cz.vutbr.fit.xtutko00.source.facebook.model.FBTextContent Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.facebook.model.FBTextContent:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.facebook.model.FBTextContent`:



### Public Member Functions

- [FBTextContent](#) (IRI iri)

### Additional Inherited Members

#### 7.12.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

## 7.12.2 Constructor & Destructor Documentation

### 7.12.2.1 FBTextContent()

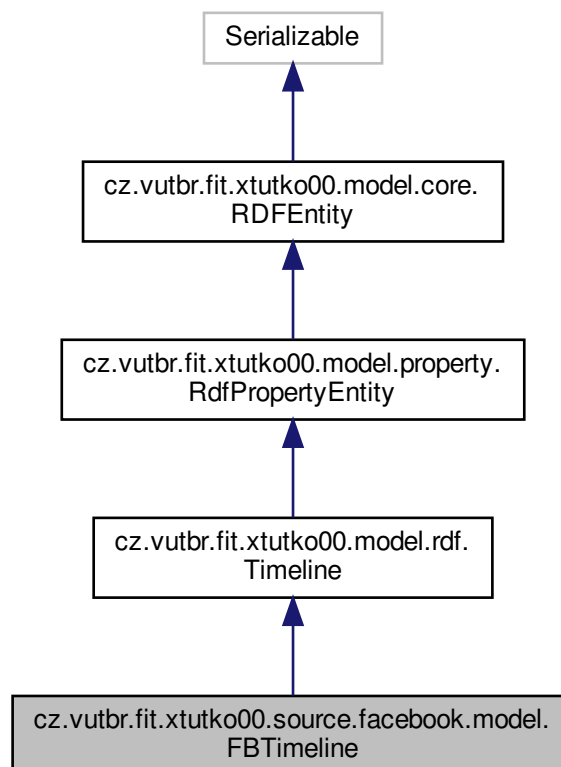
```
cz.vutbr.fit.xtutko00.source.facebook.model.FBTextContent.FBTextContent (
    IRI iri )
```

The documentation for this class was generated from the following file:

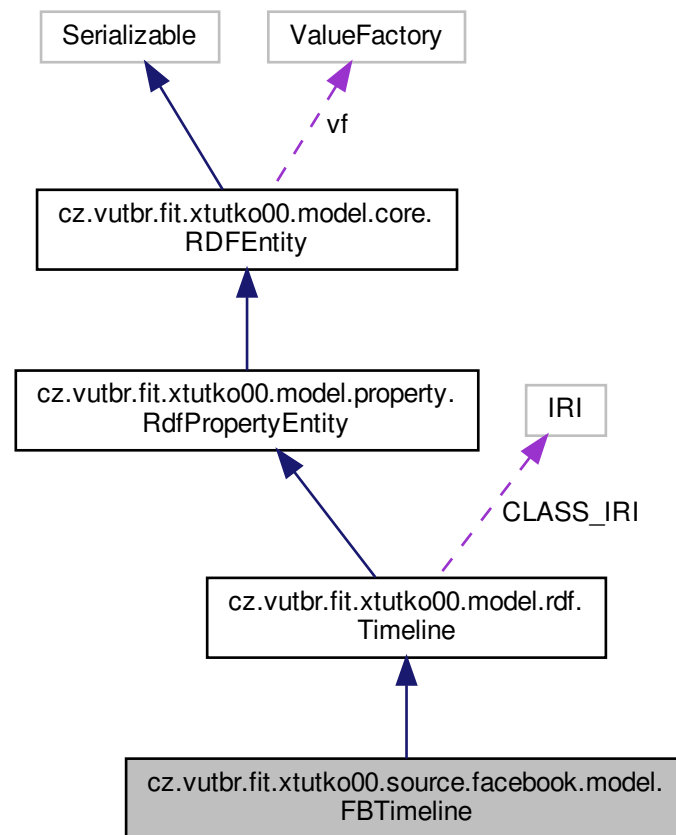
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBTextContent.java](#)

## 7.13 cz.vutbr.fit.xtutko00.source.facebook.model.FBTimeline Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.facebook.model.FBTimeline:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.facebook.model.FBTimeline`:



### Public Member Functions

- [FBTimeline](#) (IRI iri)
- String [getLabel](#) ()

### Additional Inherited Members

#### 7.13.1 Detailed Description

Reused from [timeline-analyzer](#)

Author

burgetr

#### 7.13.2 Constructor & Destructor Documentation

### 7.13.2.1 FBTimeline()

```
cz.vutbr.fit.xtutko00.source.facebook.model.FBTimeline.FBTimeline (
    IRI iri )
```

## 7.13.3 Member Function Documentation

### 7.13.3.1 getLabel()

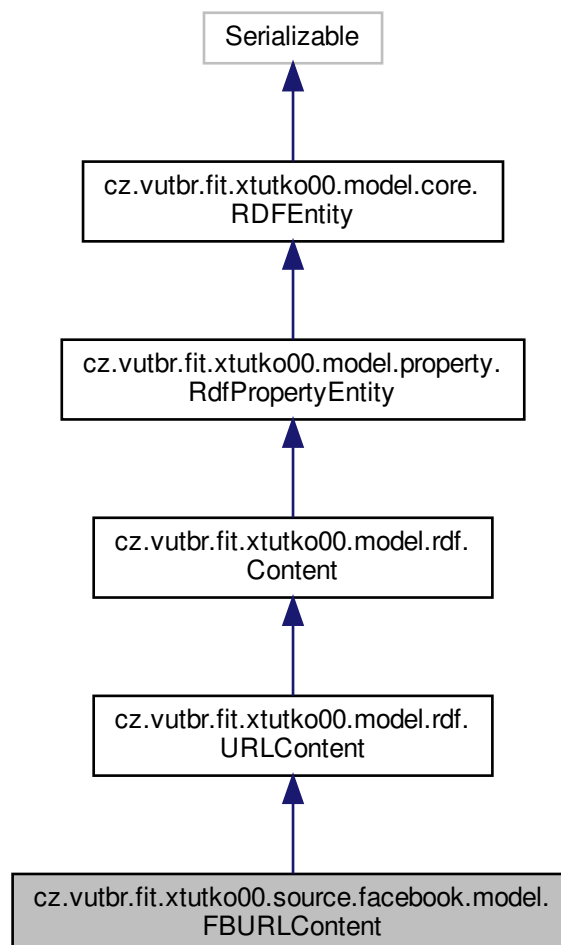
```
String cz.vutbr.fit.xtutko00.source.facebook.model.FBTimeline.getLabel ( )
```

The documentation for this class was generated from the following file:

- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBTimeline.java>

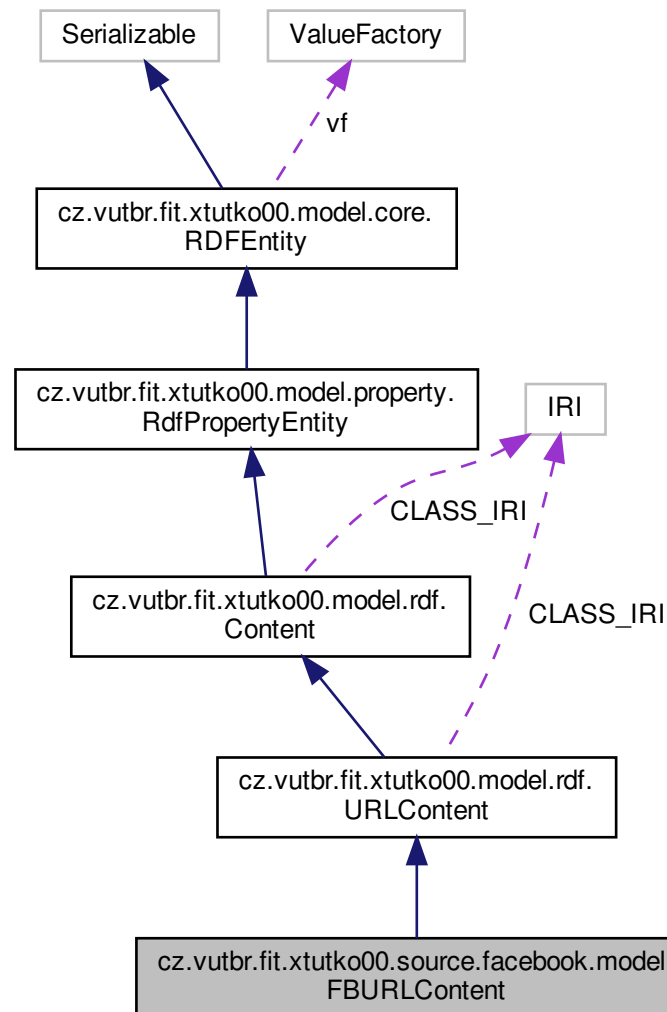
7.14 `cz.vutbr.fit.xtutko00.source.facebook.model.FBURLContent` Class Reference

Inheritance diagram for `cz.vutbr.fit.xtutko00.source.facebook.model.FBURLContent`:





Collaboration diagram for cz.vutbr.fit.xtutko00.source.facebook.model.FBURLContent:



### Public Member Functions

- [FBURLContent](#) (IRI iri)

### Additional Inherited Members

#### 7.14.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

## 7.14.2 Constructor & Destructor Documentation

### 7.14.2.1 FBURLContent()

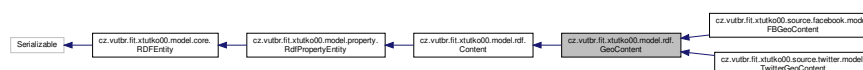
```
cz.vutbr.fit.xtutko00.source.facebook.model.FBURLContent.FBURLContent (
    IRI iri )
```

The documentation for this class was generated from the following file:

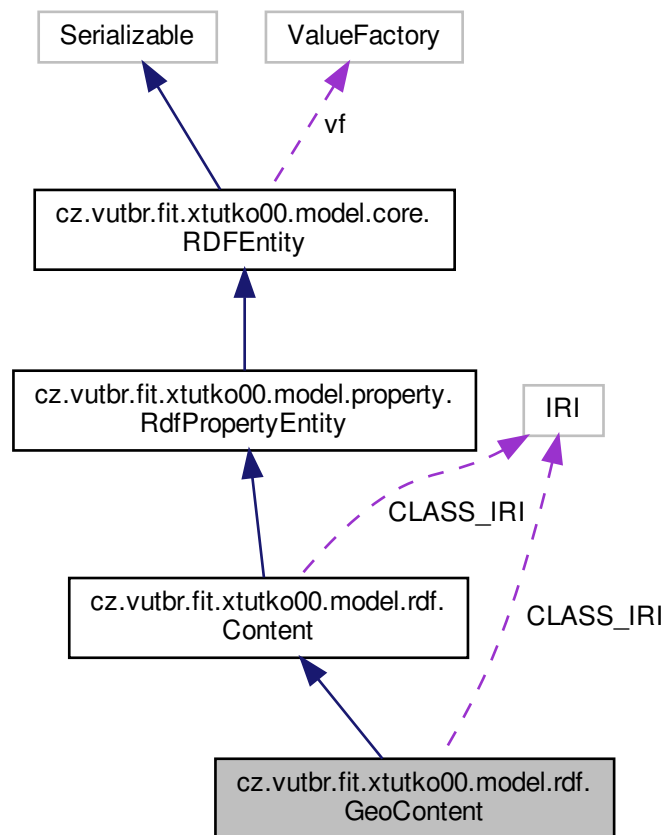
- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/FBURLContent.java>

## 7.15 cz.vutbr.fit.xtutko00.model.rdf.GeoContent Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.model.rdf.GeoContent:



Collaboration diagram for cz.vutbr.fit.xtutko00.model.rdf.GeoContent:



### Public Member Functions

- [GeoContent](#) (IRI iri)
- IRI [getClassIRI](#) ()
- Double [getLatitude](#) ()
- void [setLatitude](#) (double latitude)
- Double [getLongitude](#) ()
- void [setLongitude](#) (double longitude)
- void [addToModel](#) (Model model)

### Static Public Attributes

- static final IRI `CLASS_IRI` = `vf.createIRI("http://nesfit.github.io/ontology/ta.owl#GeoContent")`

### Protected Member Functions

- Object [] [getProperties](#) (IdMaker idMaker)

### 7.15.1 Detailed Description

ImageContent.

Reused from [timeline-analyzer](#)

Author

[xtutko00](#)

### 7.15.2 Constructor & Destructor Documentation

#### 7.15.2.1 GeoContent()

```
cz.vutbr.fit.xtutko00.model.rdf.GeoContent.GeoContent (
    IRI iri )
```

### 7.15.3 Member Function Documentation

#### 7.15.3.1 addToModel()

```
void cz.vutbr.fit.xtutko00.model.rdf.GeoContent.addToModel (
    Model model )
```

Reused from [timeline-analyzer](#)

Author

[burgetr](#)

#### 7.15.3.2 getClassIRI()

```
IRI cz.vutbr.fit.xtutko00.model.rdf.GeoContent.getClassIRI ( )
```

#### 7.15.3.3 getLatitude()

```
Double cz.vutbr.fit.xtutko00.model.rdf.GeoContent.getLatitude ( )
```

#### 7.15.3.4 getLongitude()

```
Double cz.vutbr.fit.xtutko00.model.rdf.GeoContent.getLongitude ( )
```

#### 7.15.3.5 getProperties()

```
Object [] cz.vutbr.fit.xtutko00.model.rdf.GeoContent.getProperties (
    IdMaker idMaker ) [protected]
```

Returns [GeoContent](#) properties.

#### 7.15.3.6 setLatitude()

```
void cz.vutbr.fit.xtutko00.model.rdf.GeoContent.setLatitude (
    double latitude )
```

#### 7.15.3.7 setLongitude()

```
void cz.vutbr.fit.xtutko00.model.rdf.GeoContent.setLongitude (
    double longitude )
```

### 7.15.4 Member Data Documentation

#### 7.15.4.1 CLASS\_IRI

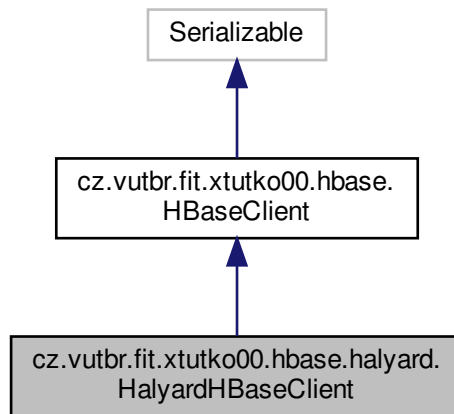
```
final IRI cz.vutbr.fit.xtutko00.model.rdf.GeoContent.CLASS_IRI = vf.createIRI("http://nesfit.↔
github.io/ontology/ta.owl#GeoContent") [static]
```

The documentation for this class was generated from the following file:

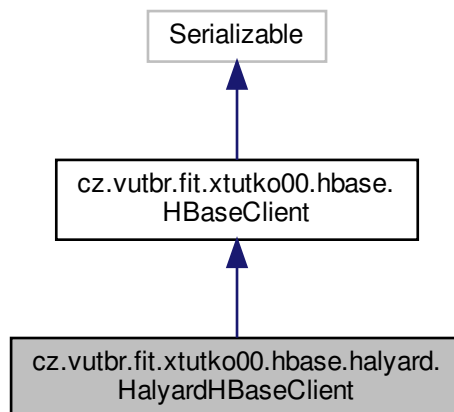
- /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/[GeoContent.java](#)

## 7.16 cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient:



Collaboration diagram for cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient:



### Public Member Functions

- [HalyardHBaseClient \(\)](#)
- [HalyardHBaseClient \(HBaseClientConfig config\)](#)
- void [saveTimeline \(Timeline timeline\)](#)
- void [createTable \(\)](#)

- void [testLongestEntryText](#) (String serverUrl, String repositoryName)
- void [testEntryTimestamps](#) (String serverUrl, String repositoryName)
- void [testEntryTimestampsWithSort](#) (String serverUrl, String repositoryName)
- void [testNumberOfEntries](#) (String serverUrl, String repositoryName)
- void [testSharedUrls](#) (String serverUrl, String repositoryName)

### 7.16.1 Detailed Description

Halyard client.

Author

[xtutko00](#)

### 7.16.2 Constructor & Destructor Documentation

#### 7.16.2.1 HalyardHBaseClient() [1/2]

```
cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient.HalyardHBaseClient ( )
```

#### 7.16.2.2 HalyardHBaseClient() [2/2]

```
cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient.HalyardHBaseClient (
    HBaseClientConfig config )
```

### 7.16.3 Member Function Documentation

#### 7.16.3.1 createTable()

```
void cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient.createTable ( )
```

Creates required HBase tables with "\_halyard" suffix.

Implements [cz.vutbr.fit.xtutko00.hbase.HBaseClient](#).

### 7.16.3.2 saveTimeline()

```
void cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient.saveTimeline (
    Timeline timeline )
```

Saves given timeline into HBase table.

Implements [cz.vutbr.fit.xtutko00.hbase.HBaseClient](#).

### 7.16.3.3 testEntryTimestamps()

```
void cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient.testEntryTimestamps (
    String serverUrl,
    String repositoryName )
```

Prints entries newer than year 2018.

### 7.16.3.4 testEntryTimestampsWithSort()

```
void cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient.testEntryTimestampsWithSort (
    String serverUrl,
    String repositoryName )
```

Prints entries newer than year 2018, sorted by creation time.

### 7.16.3.5 testLongestEntryText()

```
void cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient.testLongestEntryText (
    String serverUrl,
    String repositoryName )
```

Prints entry with the longest text content.

### 7.16.3.6 testNumberOfEntries()

```
void cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient.testNumberOfEntries (
    String serverUrl,
    String repositoryName )
```

Prints timelines with theirs number of entries.

### 7.16.3.7 testSharedUrls()

```
void cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient.testSharedUrls (
    String serverUrl,
    String repositoryName )
```

Prints number of occurrences of urls in posts, sorted by number of occurrences.

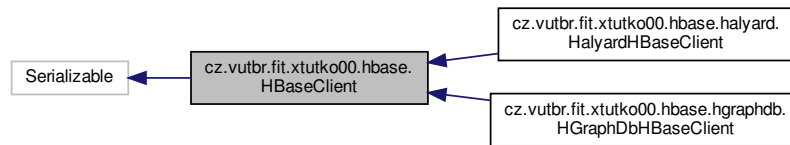
The documentation for this class was generated from the following file:

- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/halyard/HalyardHBaseClient.java](#)

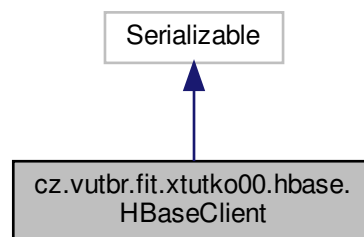


## 7.17 cz.vutbr.fit.xtutko00.hbase.HBaseClient Interface Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.hbase.HBaseClient:



Collaboration diagram for cz.vutbr.fit.xtutko00.hbase.HBaseClient:



### Public Member Functions

- void `createTable` ()
- void `saveTimeline` (`Timeline` timeline)

#### 7.17.1 Detailed Description

HBase client.

Author

[xtutko00](#)

#### 7.17.2 Member Function Documentation

### 7.17.2.1 createTable()

```
void cz.vutbr.fit.xtutko00.hbase.HBaseClient.createTable ( )
```

Implemented in [cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient](#), and [cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient](#).

### 7.17.2.2 saveTimeline()

```
void cz.vutbr.fit.xtutko00.hbase.HBaseClient.saveTimeline (
    Timeline timeline )
```

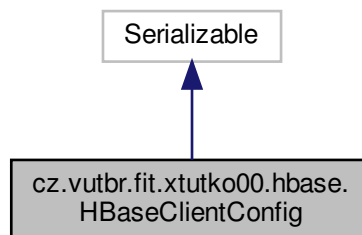
Implemented in [cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient](#), and [cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient](#).

The documentation for this interface was generated from the following file:

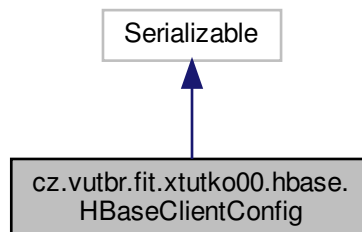
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClient.java](#)

## 7.18 cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig:



Collaboration diagram for cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig:



## Public Member Functions

- String [getTableName](#) ()
- [HBaseClientConfig setTableName](#) (String tableName)
- String [getHBaseSiteFilename](#) ()
- [HBaseClientConfig setHBaseSiteFilename](#) (String hbaseSiteFilename)

### 7.18.1 Detailed Description

Configuration of HBase client.

Author

[xtutko00](#)

### 7.18.2 Member Function Documentation

#### 7.18.2.1 getHBaseSiteFilename()

```
String cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig.getHBaseSiteFilename ( )
```

#### 7.18.2.2 getTableName()

```
String cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig.getTableName ( )
```

#### 7.18.2.3 setHBaseSiteFilename()

```
HBaseClientConfig cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig.setHBaseSiteFilename (
    String hbaseSiteFilename )
```

#### 7.18.2.4 setTableName()

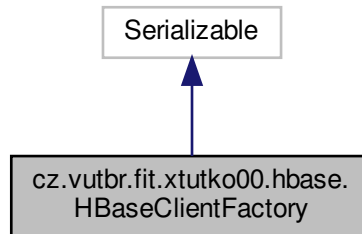
```
HBaseClientConfig cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig.setTableName (
    String tableName )
```

The documentation for this class was generated from the following file:

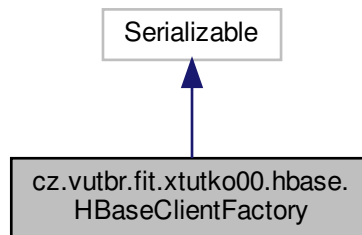
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClientConfig.java](#)

## 7.19 cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory:



Collaboration diagram for cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory:



### Classes

- enum [EClient](#)

### Public Member Functions

- [HBaseClientFactory](#) ([EClient](#) client, [HBaseClientConfig](#) config)
- [HBaseClientFactory](#) ([HBaseClientConfig](#) config)
- [HBaseClient](#) createClient ()
- [HBaseClient](#) createClient ([EClient](#) client)

### 7.19.1 Detailed Description

Creates HBase clients.

Author

[xtutko00](#)

## 7.19.2 Constructor & Destructor Documentation

### 7.19.2.1 HBaseClientFactory() [1/2]

```
cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.HBaseClientFactory (
    EClient client,
    HBaseClientConfig config )
```

### 7.19.2.2 HBaseClientFactory() [2/2]

```
cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.HBaseClientFactory (
    HBaseClientConfig config )
```

## 7.19.3 Member Function Documentation

### 7.19.3.1 createClient() [1/2]

```
HBaseClient cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.createClient ( )
```

### 7.19.3.2 createClient() [2/2]

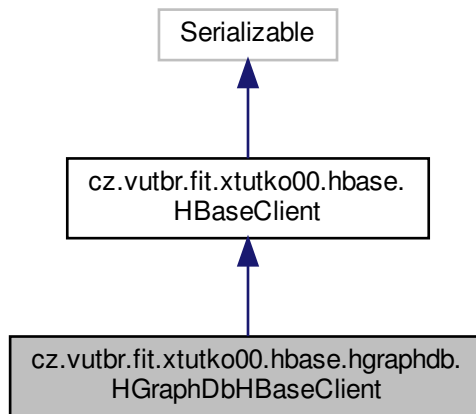
```
HBaseClient cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.createClient (
    EClient client )
```

The documentation for this class was generated from the following file:

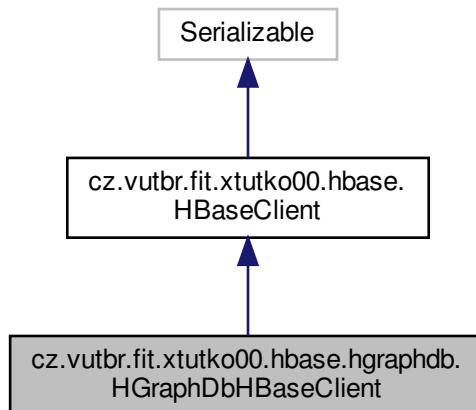
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClientFactory.java](#)

## 7.20 `cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient` Class Reference

Inheritance diagram for `cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient`:



Collaboration diagram for `cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient`:



### Public Member Functions

- [HGraphDbHBaseClient](#) ([HBaseClientConfig](#) config)
- void [saveTimeline](#) ([Timeline](#) timeline)
- void [createTable](#) ()
- void [testLongestEntryText](#) ()

- void [testEntryTimestamps](#) ()
- void [testEntryTimestampsWithSort](#) ()
- void [testNumberOfEntries](#) ()
- void [testSharedUrls](#) ()

### 7.20.1 Detailed Description

HGraphDb client.

Author

[xtutko00](#)

### 7.20.2 Constructor & Destructor Documentation

#### 7.20.2.1 HGraphDbHBaseClient()

```
cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient.HGraphDbHBaseClient (
    HBaseClientConfig config )
```

### 7.20.3 Member Function Documentation

#### 7.20.3.1 createTable()

```
void cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient.createTable ( )
```

Creates required HBase tables with "\_hgraphdb" suffix.

Implements [cz.vutbr.fit.xtutko00.hbase.HBaseClient](#).

#### 7.20.3.2 saveTimeline()

```
void cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient.saveTimeline (
    Timeline timeline )
```

Saves given timeline into HBase table.

Implements [cz.vutbr.fit.xtutko00.hbase.HBaseClient](#).

### 7.20.3.3 testEntryTimestamps()

```
void cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient.testEntryTimestamps ( )
```

Prints entries newer than year 2018.

### 7.20.3.4 testEntryTimestampsWithSort()

```
void cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient.testEntryTimestampsWithSort ( )
```

Prints entries newer than year 2018, sorted by creation time.

### 7.20.3.5 testLongestEntryText()

```
void cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient.testLongestEntryText ( )
```

Prints entry with the longest text content.

### 7.20.3.6 testNumberOfEntries()

```
void cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient.testNumberOfEntries ( )
```

Prints timelines with theirs number of entries.

### 7.20.3.7 testSharedUrls()

```
void cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient.testSharedUrls ( )
```

Prints number of occurrences of urls in posts, sorted by number of occurrences.

The documentation for this class was generated from the following file:

- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/hgraphdb/HGraphDbHBaseClient.java](#)

## 7.21 cz.vutbr.fit.xtutko00.utils.IdMaker Class Reference

### Public Member Functions

- [IdMaker](#) (String idPrefix)
- String [getId](#) ()

### 7.21.1 Detailed Description

Id generator.

Author

[xtutko00](#)



## 7.21.2 Constructor & Destructor Documentation

### 7.21.2.1 IdMaker()

```
cz.vutbr.fit.xtutko00.utils.IdMaker.IdMaker (
    String idPrefix )
```

## 7.21.3 Member Function Documentation

### 7.21.3.1 getId()

```
String cz.vutbr.fit.xtutko00.utils.IdMaker.getId ( )
```

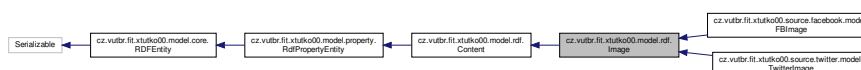
Returns unique ID based on given prefix, current timestamp and counter value.

The documentation for this class was generated from the following file:

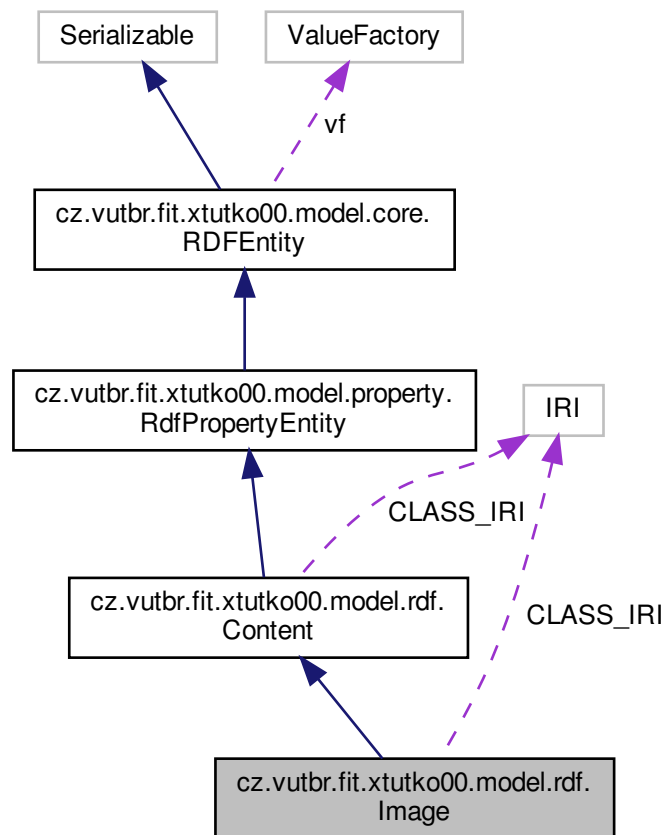
- /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utils/[IdMaker.java](#)

## 7.22 cz.vutbr.fit.xtutko00.model.rdf.Image Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.model.rdf.Image:



Collaboration diagram for `cz.vutbr.fit.xtutko00.model.rdf.Image`:



## Public Member Functions

- [Image](#) (IRI iri)
- IRI [getClassIRI](#) ()
- String [getSourceUrl](#) ()
- void [setSourceUrl](#) (String sourceUrl)
- void [addToModel](#) (Model model)

## Static Public Attributes

- static final IRI [CLASS\\_IRI](#) = [vf.createIRI](#)("http://nesfit.github.io/ontology/ta.owl#Image")

## Protected Member Functions

- Object [] [getProperties](#) (IdMaker idMaker)

### 7.22.1 Detailed Description

ImageContent.

Reused from [timeline-analyzer](#)

Author

[xtutko00](#)

### 7.22.2 Constructor & Destructor Documentation

#### 7.22.2.1 Image()

```
cz.vutbr.fit.xtutko00.model.rdf.Image.Image (
    IRI iri )
```

### 7.22.3 Member Function Documentation

#### 7.22.3.1 addToModel()

```
void cz.vutbr.fit.xtutko00.model.rdf.Image.addToModel (
    Model model )
```

Reused from [timeline-analyzer](#)

Author

[burgetr](#)

#### 7.22.3.2 getClassIRI()

```
IRI cz.vutbr.fit.xtutko00.model.rdf.Image.getClassIRI ( )
```

#### 7.22.3.3 getProperties()

```
Object [] cz.vutbr.fit.xtutko00.model.rdf.Image.getProperties (
    IdMaker idMaker ) [protected]
```

Returns [Image](#) properties.

#### 7.22.3.4 getSourceUrl()

```
String cz.vutbr.fit.xtutko00.model.rdf.Image.getSourceUrl ( )
```

#### 7.22.3.5 setSourceUrl()

```
void cz.vutbr.fit.xtutko00.model.rdf.Image.setSourceUrl (
    String sourceUrl )
```

### 7.22.4 Member Data Documentation

#### 7.22.4.1 CLASS\_IRI

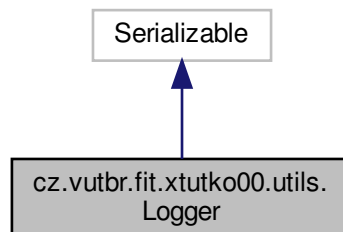
```
final IRI cz.vutbr.fit.xtutko00.model.rdf.Image.CLASS_IRI = vf.createIRI("http://nesfit.↔
github.io/ontology/ta.owl#Image") [static]
```

The documentation for this class was generated from the following file:

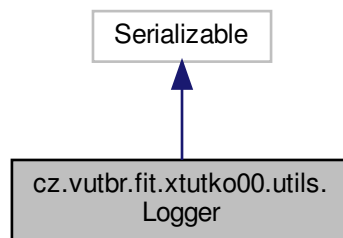
- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Image.java>

### 7.23 cz.vutbr.fit.xtutko00.utils.Logger Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.utils.Logger:



Collaboration diagram for cz.vutbr.fit.xtutko00.utils.Logger:



## Public Member Functions

- [Logger](#) (Class logClass)
- void [debug](#) (String str)
- void [info](#) (String str)
- void [warning](#) (String str)
- void [error](#) (String str)

### 7.23.1 Detailed Description

Basic lightweight logger used in Spark Jobs.

Author

[xtutko00](#)

### 7.23.2 Constructor & Destructor Documentation

#### 7.23.2.1 Logger()

```
cz.vutbr.fit.xtutko00.utils.Logger.Logger (
    Class logClass )
```

### 7.23.3 Member Function Documentation

### 7.23.3.1 debug()

```
void cz.vutbr.fit.xtutko00.utils.Logger.debug (  
    String str )
```

### 7.23.3.2 error()

```
void cz.vutbr.fit.xtutko00.utils.Logger.error (  
    String str )
```

### 7.23.3.3 info()

```
void cz.vutbr.fit.xtutko00.utils.Logger.info (  
    String str )
```

### 7.23.3.4 warning()

```
void cz.vutbr.fit.xtutko00.utils.Logger.warning (  
    String str )
```

The documentation for this class was generated from the following file:

- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utils/Logger.java>

## 7.24 cz.vutbr.fit.xtutko00.MainHalyard Class Reference

### Static Public Member Functions

- static void [main](#) (String[] args)

### 7.24.1 Detailed Description

Analyzes data with HGraphDB.

#### Author

[xtutko00](#)

## 7.24.2 Member Function Documentation

### 7.24.2.1 main()

```
static void cz.vutbr.fit.xtutko00.MainHalyard.main (  
    String [] args ) [static]
```

Main method.

The documentation for this class was generated from the following file:

- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainHalyard.java](#)

## 7.25 cz.vutbr.fit.xtutko00.MainHGraphDb Class Reference

### Static Public Member Functions

- static void [main](#) (String[] args)

### 7.25.1 Detailed Description

Analyzes data with HGraphDB.

Author

[xtutko00](#)

## 7.25.2 Member Function Documentation

### 7.25.2.1 main()

```
static void cz.vutbr.fit.xtutko00.MainHGraphDb.main (  
    String [] args ) [static]
```

Main method.

The documentation for this class was generated from the following file:

- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainHGraphDb.java](#)

## 7.26 cz.vutbr.fit.xtutko00.MainSpark Class Reference

### Static Public Member Functions

- static void [main](#) (String[] args)

### 7.26.1 Detailed Description

Entry point of the application.

#### Author

[xtutko00](#)

### 7.26.2 Member Function Documentation

#### 7.26.2.1 main()

```
static void cz.vutbr.fit.xtutko00.MainSpark.main (
    String [] args ) [static]
```

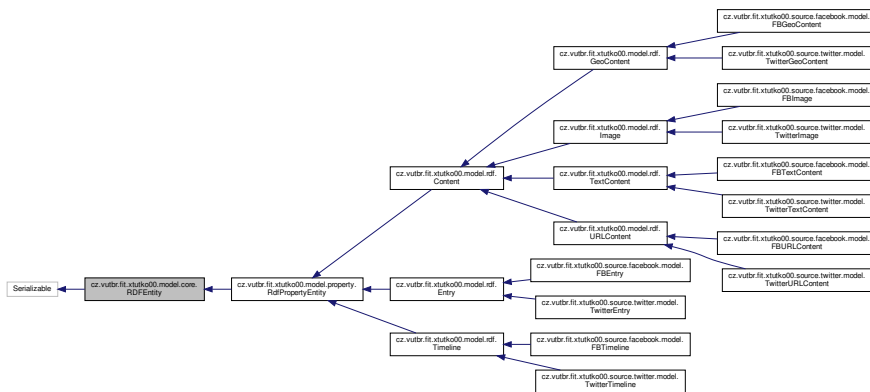
Main method.

The documentation for this class was generated from the following file:

- /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainSpark.java

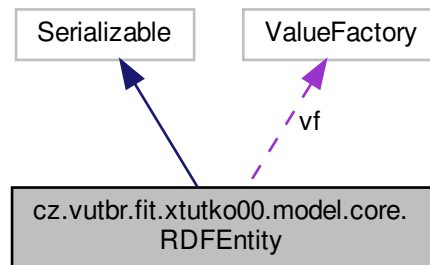
## 7.27 cz.vutbr.fit.xtutko00.model.core.RDFEntity Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.model.core.RDFEntity:





Collaboration diagram for cz.vutbr.fit.xtutko00.model.core.RDFEntity:



### Public Member Functions

- [RDFEntity](#) (IRI iri)
- IRI [getIRI](#) ()
- void [addToModel](#) (Model model)
- void [loadFromModel](#) (Model model, [EntityFactory](#) factory)
- String [getLabel](#) ()
- abstract IRI [getClassIRI](#) ()

### Static Public Attributes

- static final [ValueFactory](#) `vf` = `SimpleValueFactory.getInstance()`

### Protected Member Functions

- void [addValue](#) (Model model, IRI propertyIRI, String value)
- void [addValue](#) (Model model, IRI propertyIRI, int value)
- void [addValue](#) (Model model, IRI propertyIRI, float value)
- void [addValue](#) (Model model, IRI propertyIRI, double value)
- void [addValue](#) (Model model, IRI propertyIRI, Date value)
- void [addValue](#) (Model model, IRI propertyIRI, URL value)
- void [addArray](#) (Model model, IRI propertyIRI, String[] values)
- void [addArray](#) (Model model, IRI propertyIRI, int[] values)
- void [addArray](#) (Model model, IRI propertyIRI, float[] values)
- void [addArray](#) (Model model, IRI propertyIRI, double[] values)
- void [addArray](#) (Model model, IRI propertyIRI, Date[] values)
- void [addArray](#) (Model model, IRI propertyIRI, URL[] values)
- void [addObject](#) (Model model, IRI propertyIRI, [RDFEntity](#) obj)
- void [addObjectWithData](#) (Model model, IRI propertyIRI, [RDFEntity](#) obj)
- void [addCollection](#) (Model model, IRI propertyIRI, Collection<? extends [RDFEntity](#) > col)
- void [addCollectionData](#) (Model model, Collection<? extends [RDFEntity](#) > col)
- void [addCollectionWithData](#) (Model model, IRI propertyIRI, Collection<? extends [RDFEntity](#) > col)
- String [] [loadStringArray](#) (Model m, IRI pred)
- int [] [loadIntArray](#) (Model m, IRI pred)

- float [] [loadFloatArray](#) (Model m, IRI pred)
- double [] [loadDoubleArray](#) (Model m, IRI pred)
- Date [] [loadDateArray](#) (Model m, IRI pred)
- URL [] [loadURLArray](#) (Model m, IRI pred)
- String [loadStringValue](#) (Model m, IRI pred)
- int [loadIntValue](#) (Model m, IRI pred)
- float [loadFloatValue](#) (Model m, IRI pred)
- double [loadDoubleValue](#) (Model m, IRI pred)
- Date [loadDateValue](#) (Model m, IRI pred)
- URL [loadURLValue](#) (Model m, IRI pred)
- Set< IRI > [getObjectIRIs](#) (Model m, IRI predicate)

### 7.27.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

### 7.27.2 Constructor & Destructor Documentation

#### 7.27.2.1 RDFEntity()

```
cz.vutbr.fit.xtutko00.model.core.RDFEntity.RDFEntity (
    IRI iri )
```

### 7.27.3 Member Function Documentation

#### 7.27.3.1 addArray() [1/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addArray (
    Model model,
    IRI propertyIRI,
    String [] values ) [protected]
```

#### 7.27.3.2 addArray() [2/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addArray (
    Model model,
    IRI propertyIRI,
    int [] values ) [protected]
```

**7.27.3.3 addArray()** [3/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addArray (
    Model model,
    IRI propertyIRI,
    float [] values ) [protected]
```

**7.27.3.4 addArray()** [4/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addArray (
    Model model,
    IRI propertyIRI,
    double [] values ) [protected]
```

**7.27.3.5 addArray()** [5/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addArray (
    Model model,
    IRI propertyIRI,
    Date [] values ) [protected]
```

**7.27.3.6 addArray()** [6/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addArray (
    Model model,
    IRI propertyIRI,
    URL [] values ) [protected]
```

**7.27.3.7 addCollection()**

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addCollection (
    Model model,
    IRI propertyIRI,
    Collection<? extends RDFEntity > col ) [protected]
```

**7.27.3.8 addCollectionData()**

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addCollectionData (
    Model model,
    Collection<? extends RDFEntity > col ) [protected]
```

### 7.27.3.9 addCollectionWithData()

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addCollectionWithData (
    Model model,
    IRI propertyIRI,
    Collection<? extends RDFEntity > col ) [protected]
```

### 7.27.3.10 addObject()

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addObject (
    Model model,
    IRI propertyIRI,
    RDFEntity obj ) [protected]
```

### 7.27.3.11 addObjectWithData()

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addObjectWithData (
    Model model,
    IRI propertyIRI,
    RDFEntity obj ) [protected]
```

### 7.27.3.12 addToModel()

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addToModel (
    Model model )
```

### 7.27.3.13 addValue() [1/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addValue (
    Model model,
    IRI propertyIRI,
    String value ) [protected]
```

### 7.27.3.14 addValue() [2/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addValue (
    Model model,
    IRI propertyIRI,
    int value ) [protected]
```

**7.27.3.15 addValue()** [3/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addValue (
    Model model,
    IRI propertyIRI,
    float value ) [protected]
```

**7.27.3.16 addValue()** [4/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addValue (
    Model model,
    IRI propertyIRI,
    double value ) [protected]
```

**7.27.3.17 addValue()** [5/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addValue (
    Model model,
    IRI propertyIRI,
    Date value ) [protected]
```

**7.27.3.18 addValue()** [6/6]

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.addValue (
    Model model,
    IRI propertyIRI,
    URL value ) [protected]
```

**7.27.3.19 getClassIRI()**

```
abstract IRI cz.vutbr.fit.xtutko00.model.core.RDFEntity.getClassIRI ( ) [abstract]
```

**7.27.3.20 getIRI()**

```
IRI cz.vutbr.fit.xtutko00.model.core.RDFEntity.getIRI ( )
```

### 7.27.3.21 getLabel()

```
String cz.vutbr.fit.xtutko00.model.core.RDFEntity.getLabel ( )
```

### 7.27.3.22 getObjectIRIs()

```
Set<IRI> cz.vutbr.fit.xtutko00.model.core.RDFEntity.getObjectIRIs (
    Model m,
    IRI predicate ) [protected]
```

### 7.27.3.23 loadDateArray()

```
Date [] cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadDateArray (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.24 loadDateValue()

```
Date cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadDateValue (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.25 loadDoubleArray()

```
double [] cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadDoubleArray (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.26 loadDoubleValue()

```
double cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadDoubleValue (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.27 loadFloatArray()

```
float [] cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadFloatArray (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.28 loadFloatValue()

```
float cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadFloatValue (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.29 loadFromModel()

```
void cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadFromModel (
    Model model,
    EntityFactory factory )
```

### 7.27.3.30 loadIntArray()

```
int [] cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadIntArray (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.31 loadIntValue()

```
int cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadIntValue (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.32 loadStringArray()

```
String [] cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadStringArray (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.33 loadStringValue()

```
String cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadStringValue (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.34 loadURLArray()

```
URL [] cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadURLArray (
    Model m,
    IRI pred ) [protected]
```

### 7.27.3.35 loadURLValue()

```
URL cz.vutbr.fit.xtutko00.model.core.RDFEntity.loadURLValue (
    Model m,
    IRI pred ) [protected]
```

## 7.27.4 Member Data Documentation

### 7.27.4.1 vf

```
final ValueFactory cz.vutbr.fit.xtutko00.model.core.RDFEntity.vf = SimpleValueFactory.get↔
Instance() [static]
```

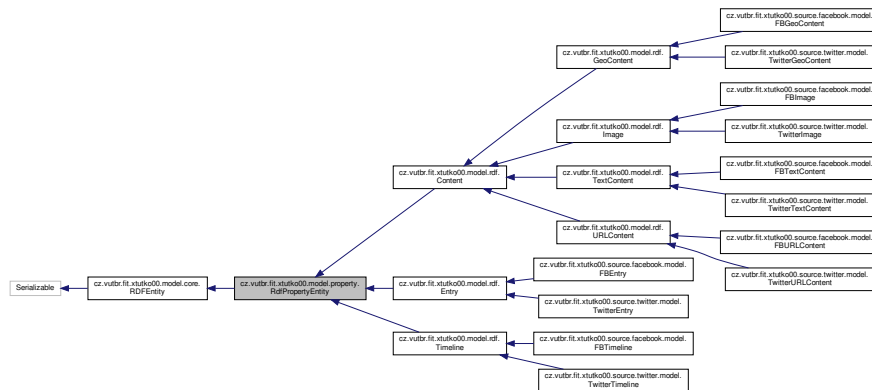
The documentation for this class was generated from the following file:

- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/RDFEntity.java](#)

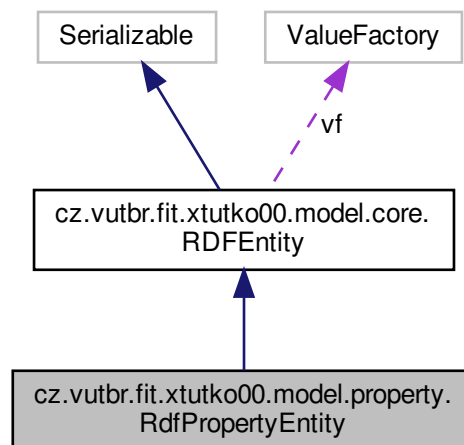


## 7.28 cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity:



Collaboration diagram for cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity:



### Public Member Functions

- [RdfPropertyEntity](#) (IRI iri)
- Vertex [addToGraph](#) (HBaseBulkLoader loader, [IdMaker](#) idMaker)

### Protected Member Functions

- abstract Object [] [getProperties](#) ([IdMaker](#) idMaker)
- Set< [RdfPropertyEntity](#) > [getEntities](#) ()
- String [buildLabel](#) (IRI iri)

## Additional Inherited Members

### 7.28.1 Detailed Description

Wrapper for RDF entity so it can be saved into Property Graph Model.

Author

[xtutko00](#)

### 7.28.2 Constructor & Destructor Documentation

#### 7.28.2.1 RdfPropertyEntity()

```
cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity.RdfPropertyEntity (
    IRI iri )
```

### 7.28.3 Member Function Documentation

#### 7.28.3.1 addToGraph()

```
Vertex cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity.addToGraph (
    HBaseBulkLoader loader,
    IdMaker idMaker )
```

Insert entity into graph.

#### 7.28.3.2 buildLabel()

```
String cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity.buildLabel (
    IRI iri ) [protected]
```

#### 7.28.3.3 getEntities()

```
Set<RdfPropertyEntity> cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity.getEntities ( )
[protected]
```

#### 7.28.3.4 getProperties()

```
abstract Object [] cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity.getProperties (
    IdMaker idMaker ) [abstract], [protected]
```

The documentation for this class was generated from the following file:

- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/property/RdfPropertyEntity.java>

## 7.29 cz.vutbr.fit.xtutko00.model.core.ResourceFactory Class Reference

### Static Public Member Functions

- static IRI [createResourceIRI](#) (String module, String type, String id)

### 7.29.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

### 7.29.2 Member Function Documentation

#### 7.29.2.1 createResourceIRI()

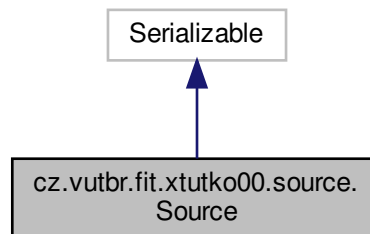
```
static IRI cz.vutbr.fit.xtutko00.model.core.ResourceFactory.createResourceIRI (
    String module,
    String type,
    String id ) [static]
```

The documentation for this class was generated from the following file:

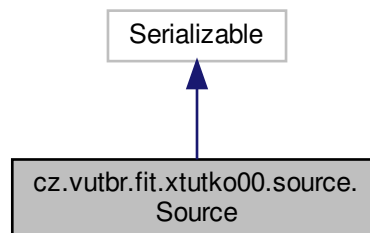
- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/ResourceFactory.java>

## 7.30 `cz.vutbr.fit.xtutko00.source.Source` Class Reference

Inheritance diagram for `cz.vutbr.fit.xtutko00.source.Source`:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.Source`:



### Public Member Functions

- `Source` (`ESourceType` type, `String` name)
- `ESourceType` `getType` ()
- `String` `getName` ()

### 7.30.1 Detailed Description

Representation of social network source reference.

Author

[xtutko00](#)

## 7.30.2 Constructor & Destructor Documentation

### 7.30.2.1 Source()

```
cz.vutbr.fit.xtutko00.source.Source.Source (
    ESourceType type,
    String name )
```

## 7.30.3 Member Function Documentation

### 7.30.3.1 getName()

```
String cz.vutbr.fit.xtutko00.source.Source.getName ( )
```

### 7.30.3.2 getType()

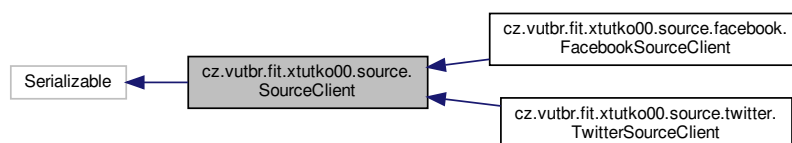
```
ESourceType cz.vutbr.fit.xtutko00.source.Source.getType ( )
```

The documentation for this class was generated from the following file:

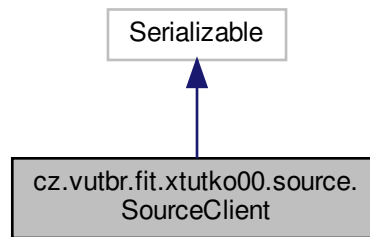
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/Source.java](#)

## 7.31 cz.vutbr.fit.xtutko00.source.SourceClient Interface Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.SourceClient:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.SourceClient`:



## Public Member Functions

- [Timeline](#) `getTimeline` (String `sourceName`)

### 7.31.1 Detailed Description

[Source](#) client.

#### Author

[xtutko00](#)

### 7.31.2 Member Function Documentation

#### 7.31.2.1 `getTimeline()`

```
Timeline cz.vutbr.fit.xtutko00.source.SourceClient.getTimeline (
    String sourceName )
```

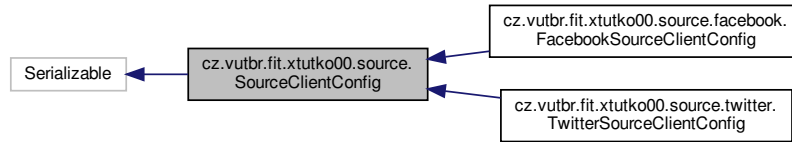
Implemented in [cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient](#), and [cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient](#).

The documentation for this interface was generated from the following file:

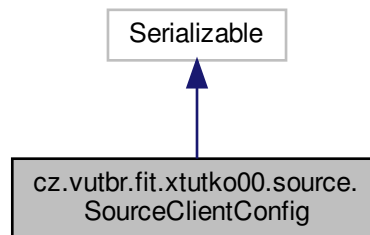
- `/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/SourceClient.java`

## 7.32 cz.vutbr.fit.xtutko00.source.SourceClientConfig Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.SourceClientConfig:



Collaboration diagram for cz.vutbr.fit.xtutko00.source.SourceClientConfig:



### Public Member Functions

- `SourceClientConfig` (String key, String secret)
- String `getKey` ()
- String `getSecret` ()

#### 7.32.1 Detailed Description

Basic source client configuration.

Author

[xtutko00](#)

#### 7.32.2 Constructor & Destructor Documentation

### 7.32.2.1 SourceClientConfig()

```
cz.vutbr.fit.xtutko00.source.SourceClientConfig.SourceClientConfig (
    String key,
    String secret )
```

## 7.32.3 Member Function Documentation

### 7.32.3.1 getKey()

```
String cz.vutbr.fit.xtutko00.source.SourceClientConfig.getKey ( )
```

### 7.32.3.2 getSecret()

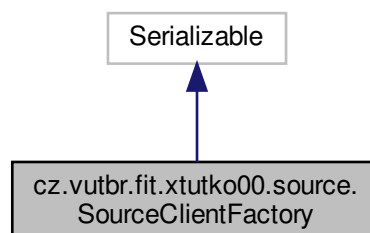
```
String cz.vutbr.fit.xtutko00.source.SourceClientConfig.getSecret ( )
```

The documentation for this class was generated from the following file:

- /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/[SourceClientConfig.java](#)

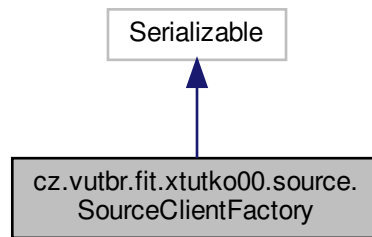
## 7.33 cz.vutbr.fit.xtutko00.source.SourceClientFactory Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.SourceClientFactory:





Collaboration diagram for cz.vutbr.fit.xtutko00.source.SourceClientFactory:



### Public Member Functions

- [SourceClientFactory](#) ([FacebookSourceClientConfig](#) facebookConfig, [TwitterSourceClientConfig](#) twitterConfig)
- [SourceClient](#) createSourceClient ([ESourceType](#) type)

#### 7.33.1 Detailed Description

Creates source clients.

Author

[xtutko00](#)

#### 7.33.2 Constructor & Destructor Documentation

##### 7.33.2.1 SourceClientFactory()

```
cz.vutbr.fit.xtutko00.source.SourceClientFactory.SourceClientFactory (
    FacebookSourceClientConfig facebookConfig,
    TwitterSourceClientConfig twitterConfig )
```

#### 7.33.3 Member Function Documentation

### 7.33.3.1 createSourceClient()

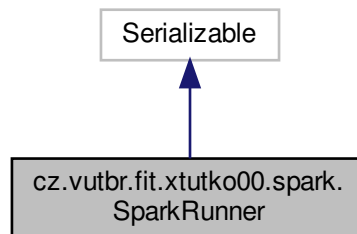
```
SourceClient cz.vutbr.fit.xtutko00.source.SourceClientFactory.createSourceClient (
    ESourceType type )
```

The documentation for this class was generated from the following file:

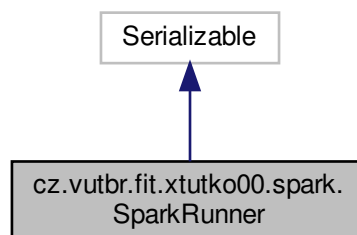
- /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/[SourceClientFactory.java](#)

## 7.34 cz.vutbr.fit.xtutko00.spark.SparkRunner Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.spark.SparkRunner:



Collaboration diagram for cz.vutbr.fit.xtutko00.spark.SparkRunner:



### Public Member Functions

- [SparkRunner](#) ([SparkRunnerConf](#) conf)
- void [downloadTimelines](#) ()
- void [compareHBaseClients](#) ()

### 7.34.1 Detailed Description

Runs Spark jobs.

#### Author

[xtutko00](#)

### 7.34.2 Constructor & Destructor Documentation

#### 7.34.2.1 SparkRunner()

```
cz.vutbr.fit.xtutko00.spark.SparkRunner.SparkRunner (
    SparkRunnerConf conf )
```

### 7.34.3 Member Function Documentation

#### 7.34.3.1 compareHBaseClients()

```
void cz.vutbr.fit.xtutko00.spark.SparkRunner.compareHBaseClients ( )
```

Compares HBase clients writing speeds. Firstly all required timelines are downloaded from source, then these timelines are saved once with Halyard and then with HGraphDB framework.

#### 7.34.3.2 downloadTimelines()

```
void cz.vutbr.fit.xtutko00.spark.SparkRunner.downloadTimelines ( )
```

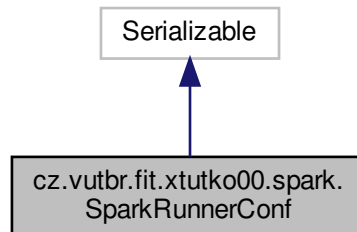
Downloads timelines from sources on Spark cluster and saves them into HBase table.

The documentation for this class was generated from the following file:

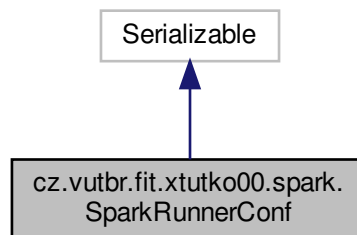
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/spark/SparkRunner.java](#)

## 7.35 cz.vutbr.fit.xtutko00.spark.SparkRunnerConf Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.spark.SparkRunnerConf:



Collaboration diagram for cz.vutbr.fit.xtutko00.spark.SparkRunnerConf:



### Public Member Functions

- List< [Source](#) > [getSources](#) ()
- [SparkRunnerConf](#) [setSources](#) (List< [Source](#) > sources)
- [SourceClientFactory](#) [getSourceClientFactory](#) ()
- [SparkRunnerConf](#) [setSourceClientFactory](#) ([SourceClientFactory](#) sourceClientFactory)
- [HBaseClientFactory](#) [getHBaseClientFactory](#) ()
- [SparkRunnerConf](#) [setHBaseClientFactory](#) ([HBaseClientFactory](#) hBaseClientFactory)
- Map< String, String > [getSparkProperties](#) ()
- Integer [getNumOfPartitions](#) ()
- [SparkRunnerConf](#) [setNumOfPartitions](#) (Integer numOfPartitions)
- void [addSparkProperty](#) (String key, String value)

### 7.35.1 Detailed Description

Configuration for [SparkRunner](#) class.

Author

[xtutko00](#)

### 7.35.2 Member Function Documentation

#### 7.35.2.1 addSparkProperty()

```
void cz.vutbr.fit.xtutko00.spark.SparkRunnerConf.addSparkProperty (
    String key,
    String value )
```

#### 7.35.2.2 getHBaseClientFactory()

```
HBaseClientFactory cz.vutbr.fit.xtutko00.spark.SparkRunnerConf.getHBaseClientFactory ( )
```

#### 7.35.2.3 getNumOfPartitions()

```
Integer cz.vutbr.fit.xtutko00.spark.SparkRunnerConf.getNumOfPartitions ( )
```

#### 7.35.2.4 getSourceClientFactory()

```
SourceClientFactory cz.vutbr.fit.xtutko00.spark.SparkRunnerConf.getSourceClientFactory ( )
```

#### 7.35.2.5 getSources()

```
List<Source> cz.vutbr.fit.xtutko00.spark.SparkRunnerConf.getSources ( )
```

### 7.35.2.6 getSparkProperties()

```
Map<String, String> cz.vutbr.fit.xtutko00.spark.SparkRunnerConf.getSparkProperties ( )
```

### 7.35.2.7 setHBaseClientFactory()

```
SparkRunnerConf cz.vutbr.fit.xtutko00.spark.SparkRunnerConf.setHBaseClientFactory (
    HBaseClientFactory hBaseClientFactory )
```

### 7.35.2.8 setNumOfPartitions()

```
SparkRunnerConf cz.vutbr.fit.xtutko00.spark.SparkRunnerConf.setNumOfPartitions (
    Integer numOfPartitions )
```

### 7.35.2.9 setSourceClientFactory()

```
SparkRunnerConf cz.vutbr.fit.xtutko00.spark.SparkRunnerConf.setSourceClientFactory (
    SourceClientFactory sourceClientFactory )
```

### 7.35.2.10 setSources()

```
SparkRunnerConf cz.vutbr.fit.xtutko00.spark.SparkRunnerConf.setSources (
    List< Source > sources )
```

The documentation for this class was generated from the following file:

- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/spark/SparkRunnerConf.java](#)

## 7.36 cz.vutbr.fit.xtutko00.utils.StopWatch Class Reference

### Public Member Functions

- void [start](#) ()
- void [stop](#) ()
- Long [getTimeSec](#) ()
- Long [getTimeMillis](#) ()

### 7.36.1 Detailed Description

Created by jakubmac on 25/04/2018.

### 7.36.2 Member Function Documentation

#### 7.36.2.1 getTimeMillis()

```
Long cz.vutbr.fit.xtutko00.utils.StopWatch.getTimeMillis ( )
```

#### 7.36.2.2 getTimeSec()

```
Long cz.vutbr.fit.xtutko00.utils.StopWatch.getTimeSec ( )
```

#### 7.36.2.3 start()

```
void cz.vutbr.fit.xtutko00.utils.StopWatch.start ( )
```

#### 7.36.2.4 stop()

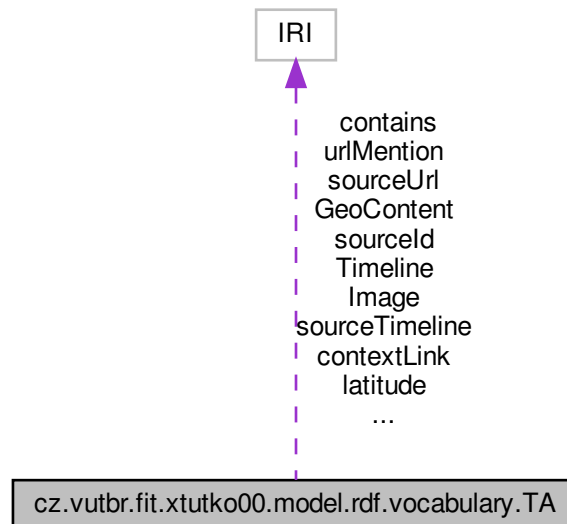
```
void cz.vutbr.fit.xtutko00.utils.StopWatch.stop ( )
```

The documentation for this class was generated from the following file:

- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utils/StopWatch.java](#)

## 7.37 cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA Class Reference

Collaboration diagram for cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA:



### Static Public Attributes

- static final String `NAMESPACE` = "http://nesfit.github.io/ontology/ta.owl#"
- static final String `PREFIX` = "ta"
- static final IRI `contains`
- static final IRI `Content`
- static final IRI `contextLink`
- static final IRI `Entry`
- static final IRI `GeoContent`
- static final IRI `Image`
- static final IRI `latitude`
- static final IRI `longitude`
- static final IRI `sameURL`
- static final IRI `sourceId`
- static final IRI `sourceTimeline`
- static final IRI `sourceUrl`
- static final IRI `text`
- static final IRI `TextContent`
- static final IRI `Timeline`
- static final IRI `timestamp`
- static final IRI `URLContent`
- static final IRI `urlMention`



### 7.37.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

### 7.37.2 Member Data Documentation

#### 7.37.2.1 contains

final IRI `cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.contains` [static]

`http://nesfit.github.io/ontology/ta.owl#contains`

.

#### See also

[contains](#)

#### 7.37.2.2 Content

final IRI `cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.Content` [static]

`http://nesfit.github.io/ontology/ta.owl#Content`

.

A particular content of an entry.

#### See also

[Content](#)

### 7.37.2.3 contextLink

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.contextLink [static]
```

```
http://nesfit.github.io/ontology/ta.owl#contextLink
```

.

A generic link between two profile entities (e.g. profiles, entries, contents).

#### See also

[contextLink](#)

### 7.37.2.4 Entry

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.Entry [static]
```

```
http://nesfit.github.io/ontology/ta.owl#Entry
```

.

An entry in the timeline

#### See also

[Entry](#)

### 7.37.2.5 GeoContent

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.GeoContent [static]
```

```
http://nesfit.github.io/ontology/ta.owl#GeoContent
```

.

#### See also

[GeoContent](#)

### 7.37.2.6 Image

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.Image [static]
```

```
http://nesfit.github.io/ontology/ta.owl#Image
```

.

An image contained in an entry.

#### See also

[Image](#)

### 7.37.2.7 latitude

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.latitude [static]
```

```
http://nesfit.github.io/ontology/ta.owl#latitude
```

.

#### See also

[latitude](#)

### 7.37.2.8 longitude

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.longitude [static]
```

```
http://nesfit.github.io/ontology/ta.owl#longitude
```

.

#### See also

[longitude](#)

### 7.37.2.9 NAMESPACE

```
final String cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.NAMESPACE = "http://nesfit.github.io/ontology/ta.owl#" [static]
```

<http://nesfit.github.io/ontology/ta.owl#>

### 7.37.2.10 PREFIX

```
final String cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.PREFIX = "ta" [static]
```

ta

### 7.37.2.11 sameURL

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.sameURL [static]
```

URL also published in

<http://nesfit.github.io/ontology/ta.owl#sameURL>

.

Indicates that the URL has been also published in an entry in another profile

See also

[sameURL](#)

### 7.37.2.12 sourceId

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.sourceId [static]
```

<http://nesfit.github.io/ontology/ta.owl#sourceId>

.

An identifier of the entry in the source timeline (e.g. Twitter id)

See also

[sourceId](#)

### 7.37.2.13 sourceTimeline

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.sourceTimeline [static]
```

```
http://nesfit.github.io/ontology/ta.owl#sourceTimeline
```

.

#### See also

[sourceTimeline](#)

### 7.37.2.14 sourceUrl

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.sourceUrl [static]
```

```
http://nesfit.github.io/ontology/ta.owl#sourceUrl
```

.

Source URL of the media.

#### See also

[sourceUrl](#)

### 7.37.2.15 text

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.text [static]
```

```
http://nesfit.github.io/ontology/ta.owl#text
```

.

#### See also

[text](#)

### 7.37.2.16 TextContent

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.TextContent [static]
```

```
http://nesfit.github.io/ontology/ta.owl#TextContent
```

.

Text contained in an entry.

#### See also

[TextContent](#)

### 7.37.2.17 Timeline

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.Timeline [static]
```

```
http://nesfit.github.io/ontology/ta.owl#Timeline
```

.

A sequence of entries displayed in a single time line.

#### See also

[Timeline](#)

### 7.37.2.18 timestamp

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.timestamp [static]
```

```
http://nesfit.github.io/ontology/ta.owl#timestamp
```

.

[Entry](#) creation timestamp

#### See also

[timestamp](#)

### 7.37.2.19 URLContent

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.URLContent [static]
```

```
http://nesfit.github.io/ontology/ta.owl#URLContent
```

.

#### See also

[URLContent](#)

### 7.37.2.20 urlMention

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA.urlMention [static]
```

Source URL mentioned in

```
http://nesfit.github.io/ontology/ta.owl#urlMention
```

.

Indicates that the URL of a content (image, other URL, etc.) is mentioned in another entry.

#### See also

[urlMention](#)

The documentation for this class was generated from the following file:

- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/vocabulary/TA.java>

## 7.38 cz.vutbr.fit.xtutko00.TableBuilder Class Reference

### Static Public Member Functions

- static void [main](#) (String[] args)

### 7.38.1 Detailed Description

Utility for creating HBase tables.

#### Author

[xtutko00](#)

## 7.38.2 Member Function Documentation

### 7.38.2.1 main()

```
static void cz.vutbr.fit.xtutko00.TableBuilder.main (
    String [] args ) [static]
```

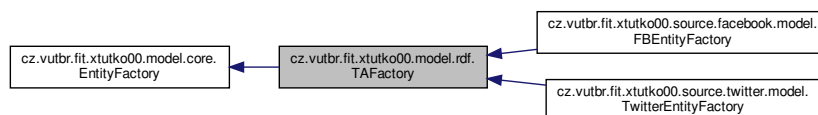
Main method.

The documentation for this class was generated from the following file:

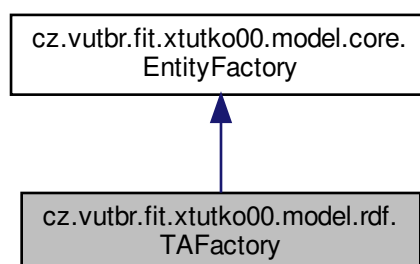
- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/TableBuilder.java>

## 7.39 cz.vutbr.fit.xtutko00.model.rdf.TAFactory Interface Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.model.rdf.TAFactory:



Collaboration diagram for cz.vutbr.fit.xtutko00.model.rdf.TAFactory:





## Public Member Functions

- [GeoContent createGeoContent](#) (IRI iri)
- [Content createContent](#) (IRI iri)
- [TextContent createTextContent](#) (IRI iri)
- [Image createImage](#) (IRI iri)
- [Entry createEntry](#) (IRI iri)
- [URLContent createURLContent](#) (IRI iri)
- [Timeline createTimeline](#) (IRI iri)

### 7.39.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

### 7.39.2 Member Function Documentation

#### 7.39.2.1 createContent()

```
Content cz.vutbr.fit.xtutko00.model.rdf.TAFactory.createContent (
    IRI iri )
```

Implemented in [cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory](#), and [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory](#).

#### 7.39.2.2 createEntry()

```
Entry cz.vutbr.fit.xtutko00.model.rdf.TAFactory.createEntry (
    IRI iri )
```

Implemented in [cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory](#), and [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory](#).

#### 7.39.2.3 createGeoContent()

```
GeoContent cz.vutbr.fit.xtutko00.model.rdf.TAFactory.createGeoContent (
    IRI iri )
```

Implemented in [cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory](#), and [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory](#).

#### 7.39.2.4 createImage()

```
Image cz.vutbr.fit.xtutko00.model.rdf.TAFactory.createImage (
    IRI iri )
```

Implemented in [cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory](#), and [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory](#).

#### 7.39.2.5 createTextContent()

```
TextContent cz.vutbr.fit.xtutko00.model.rdf.TAFactory.createTextContent (
    IRI iri )
```

Implemented in [cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory](#), and [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory](#).

#### 7.39.2.6 createTimeline()

```
Timeline cz.vutbr.fit.xtutko00.model.rdf.TAFactory.createTimeline (
    IRI iri )
```

Implemented in [cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory](#), and [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory](#).

#### 7.39.2.7 createURLContent()

```
URLContent cz.vutbr.fit.xtutko00.model.rdf.TAFactory.createURLContent (
    IRI iri )
```

Implemented in [cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory](#), and [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory](#).

The documentation for this interface was generated from the following file:

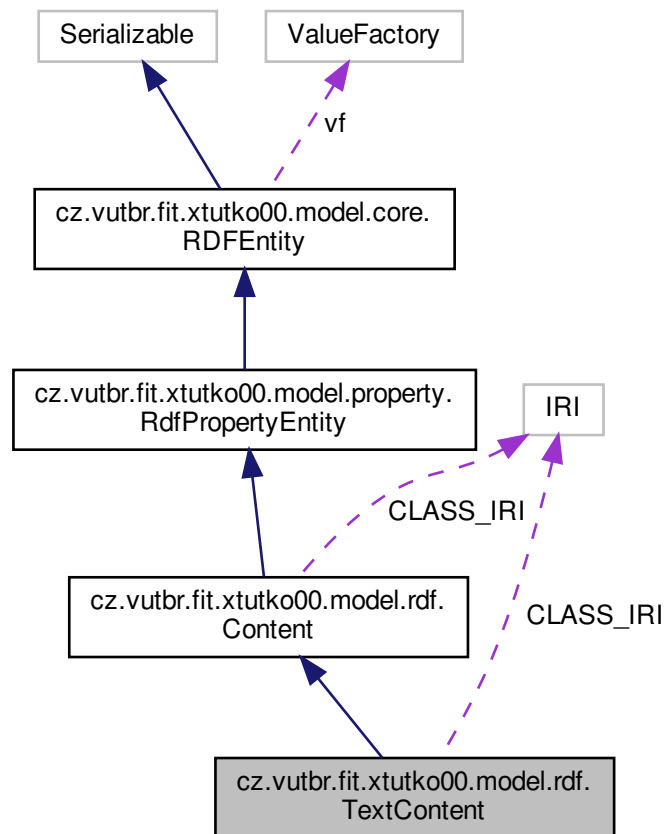
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/TAFactory.java](#)

## 7.40 cz.vutbr.fit.xtutko00.model.rdf.TextContent Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.model.rdf.TextContent:



Collaboration diagram for cz.vutbr.fit.xtutko00.model.rdf.TextContent:



### Public Member Functions

- [TextContent](#) (IRI iri)
- IRI [getClassIRI](#) ()
- String [getText](#) ()
- void [setText](#) (String text)
- void [addToModel](#) (Model model)

## Static Public Attributes

- static final IRI `CLASS_IRI` = `vf.createIRI("http://nesfit.github.io/ontology/ta.owl#TextContent")`

## Protected Member Functions

- Object [] `getProperties` (`IdMaker idMaker`)

### 7.40.1 Detailed Description

`TextContent`.

Reused from `timeline-analyzer`

Author

`xtutko00`

### 7.40.2 Constructor & Destructor Documentation

#### 7.40.2.1 `TextContent()`

```
cz.vutbr.fit.xtutko00.model.rdf.TextContent.TextContent (
    IRI iri )
```

### 7.40.3 Member Function Documentation

#### 7.40.3.1 `addToModel()`

```
void cz.vutbr.fit.xtutko00.model.rdf.TextContent.addToModel (
    Model model )
```

Reused from `timeline-analyzer`

Author

`burgetr`

### 7.40.3.2 getClassIRI()

```
IRI cz.vutbr.fit.xtutko00.model.rdf.TextContent.getClassIRI ( )
```

### 7.40.3.3 getProperties()

```
Object [] cz.vutbr.fit.xtutko00.model.rdf.TextContent.getProperties (
    IdMaker idMaker ) [protected]
```

Returns [TextContent](#) properties.

### 7.40.3.4 getText()

```
String cz.vutbr.fit.xtutko00.model.rdf.TextContent.getText ( )
```

### 7.40.3.5 setText()

```
void cz.vutbr.fit.xtutko00.model.rdf.TextContent.setText (
    String text )
```

## 7.40.4 Member Data Documentation

### 7.40.4.1 CLASS\_IRI

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.TextContent.CLASS_IRI = vf.createIRI("http://nesfit.↔
github.io/ontology/ta.owl#TextContent") [static]
```

The documentation for this class was generated from the following file:

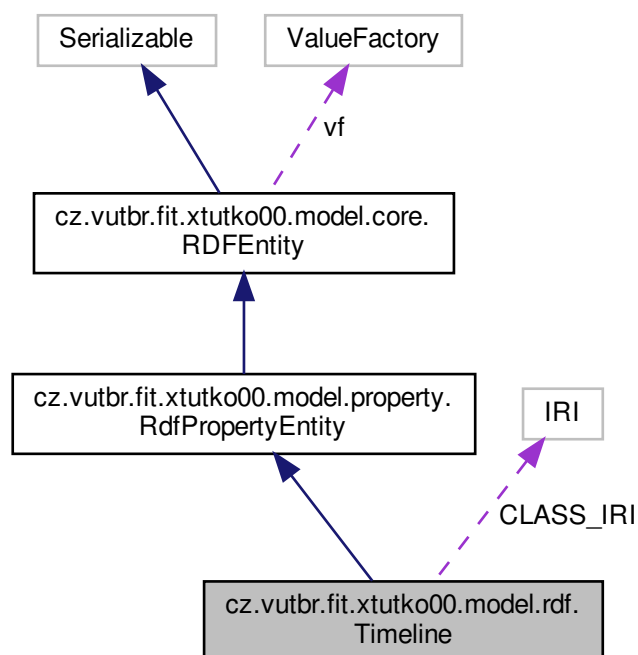
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/TextContent.java](#)

## 7.41 cz.vutbr.fit.xtutko00.model.rdf.Timeline Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.model.rdf.Timeline:



Collaboration diagram for cz.vutbr.fit.xtutko00.model.rdf.Timeline:



### Public Member Functions

- [Timeline](#) (IRI iri)
- IRI [getClassIRI](#) ()
- String [getSourceId](#) ()
- void [setSourceId](#) (String sourceId)
- Set< [Entry](#) > [getEntries](#) ()
- void [addEntry](#) ([Entry](#) entry)
- void [addToModel](#) (Model model)

### Static Public Attributes

- static final IRI [CLASS\\_IRI](#) = vf.createIRI("http://nesfit.github.io/ontology/ta.owl#[Timeline](#)")

## Protected Member Functions

- Object [] [getProperties](#) (IdMaker idMaker)
- Set< [RdfPropertyEntity](#) > [getEntities](#) ()

### 7.41.1 Detailed Description

[Timeline](#).

Reused from [timeline-analyzer](#)

Author

[xtutko00](#)

### 7.41.2 Constructor & Destructor Documentation

#### 7.41.2.1 Timeline()

```
cz.vutbr.fit.xtutko00.model.rdf.Timeline.Timeline (
    IRI iri )
```

### 7.41.3 Member Function Documentation

#### 7.41.3.1 addEntry()

```
void cz.vutbr.fit.xtutko00.model.rdf.Timeline.addEntry (
    Entry entry )
```

#### 7.41.3.2 addToModel()

```
void cz.vutbr.fit.xtutko00.model.rdf.Timeline.addToModel (
    Model model )
```

Reused from [timeline-analyzer](#)

Author

[burgetr](#)

### 7.41.3.3 getClassIRI()

```
IRI cz.vutbr.fit.xtutko00.model.rdf.Timeline.getClassIRI ( )
```

### 7.41.3.4 getEntities()

```
Set<RdfPropertyEntity> cz.vutbr.fit.xtutko00.model.rdf.Timeline.getEntities ( ) [protected]
```

Returns [Timeline](#) entries.

### 7.41.3.5 getEntries()

```
Set<Entry> cz.vutbr.fit.xtutko00.model.rdf.Timeline.getEntries ( )
```

### 7.41.3.6 getProperties()

```
Object [] cz.vutbr.fit.xtutko00.model.rdf.Timeline.getProperties (
    IdMaker idMaker ) [protected]
```

Returns [Timeline](#) properties.

### 7.41.3.7 getSourceId()

```
String cz.vutbr.fit.xtutko00.model.rdf.Timeline.getSourceId ( )
```

### 7.41.3.8 setSourceId()

```
void cz.vutbr.fit.xtutko00.model.rdf.Timeline.setSourceId (
    String sourceId )
```

## 7.41.4 Member Data Documentation

### 7.41.4.1 CLASS\_IRI

```
final IRI cz.vutbr.fit.xtutko00.model.rdf.Timeline.CLASS_IRI = vf.createIRI("http://nesfit.↵
github.io/ontology/ta.owl#Timeline") [static]
```

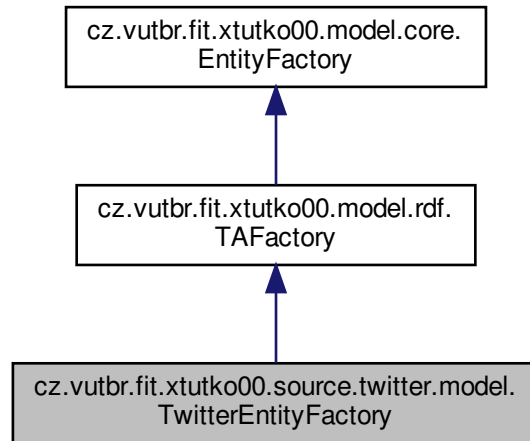
The documentation for this class was generated from the following file:

- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Timeline.java>

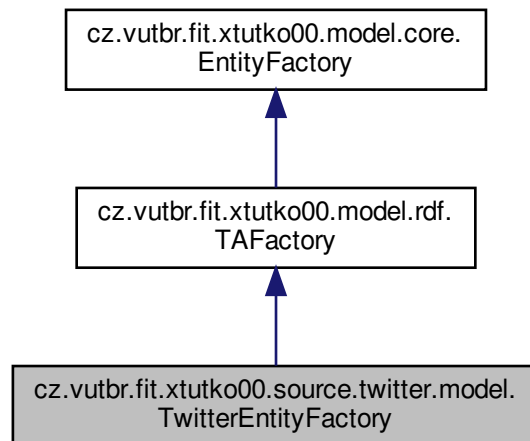


## 7.42 cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory:



Collaboration diagram for cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory:



### Public Member Functions

- [Content](#) `createContent` (IRI iri)
- [TextContent](#) `createTextContent` (IRI iri)

- [TextContent createTextContent](#) (long statusId)
- [Image createImage](#) (IRI iri)
- [Image createImage](#) (long imageId)
- [Entry createEntry](#) (IRI iri)
- [Entry createEntry](#) (long statusId)
- [Timeline createTimeline](#) (IRI iri)
- [Timeline createTimeline](#) (String username)
- [GeoContent createGeoContent](#) (IRI iri)
- [GeoContent createGeoContent](#) (long statusId)
- [URLContent createURLContent](#) (IRI iri)
- [URLContent createURLContent](#) (long statusId, int position)

### Static Public Member Functions

- static [TwitterEntityFactory getInstance](#) ()

### Protected Member Functions

- [TwitterEntityFactory](#) ()

## 7.42.1 Detailed Description

Reused from [timeline-analyzer](#)

### Author

burgetr

## 7.42.2 Constructor & Destructor Documentation

### 7.42.2.1 TwitterEntityFactory()

```
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.TwitterEntityFactory ( ) [protected]
```

## 7.42.3 Member Function Documentation

### 7.42.3.1 createContent()

```
Content cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createContent (
    IRI iri )
```

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

### 7.42.3.2 createEntry() [1/2]

```
Entry cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createEntry (
    IRI iri )
```

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

### 7.42.3.3 createEntry() [2/2]

```
Entry cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createEntry (
    long statusId )
```

### 7.42.3.4 createGeoContent() [1/2]

```
GeoContent cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createGeoContent (
    IRI iri )
```

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

### 7.42.3.5 createGeoContent() [2/2]

```
GeoContent cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createGeoContent (
    long statusId )
```

### 7.42.3.6 createImage() [1/2]

```
Image cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createImage (
    IRI iri )
```

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

### 7.42.3.7 createImage() [2/2]

```
Image cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createImage (
    long imageId )
```

**7.42.3.8 createTextContent()** [1/2]

```
TextContent cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createTextContent  
(  
    IRI iri )
```

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

**7.42.3.9 createTextContent()** [2/2]

```
TextContent cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createTextContent  
(  
    long statusId )
```

**7.42.3.10 createTimeline()** [1/2]

```
Timeline cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createTimeline (  
    IRI iri )
```

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

**7.42.3.11 createTimeline()** [2/2]

```
Timeline cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createTimeline (  
    String username )
```

**7.42.3.12 createURLContent()** [1/2]

```
URLContent cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createURLContent (  
    IRI iri )
```

Implements [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#).

**7.42.3.13 createURLContent()** [2/2]

```
URLContent cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.createURLContent (  
    long statusId,  
    int position )
```

## 7.42.3.14 getInstance()

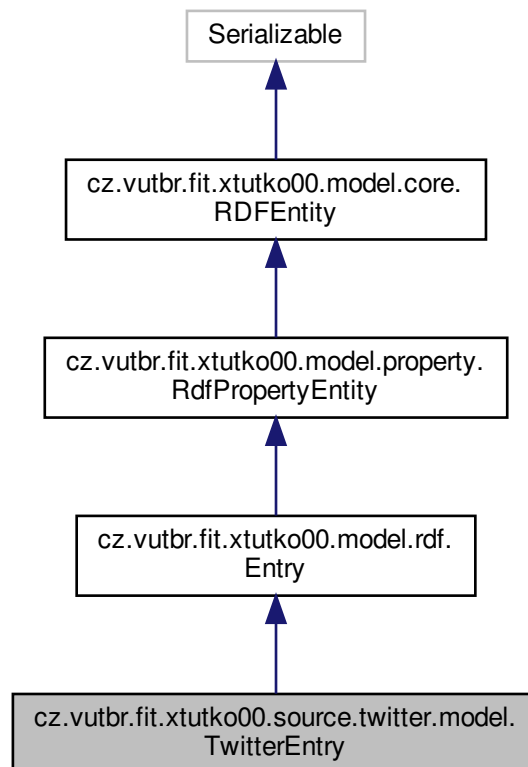
```
static TwitterEntityFactory cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory.←  
getInstance ( ) [static]
```

The documentation for this class was generated from the following file:

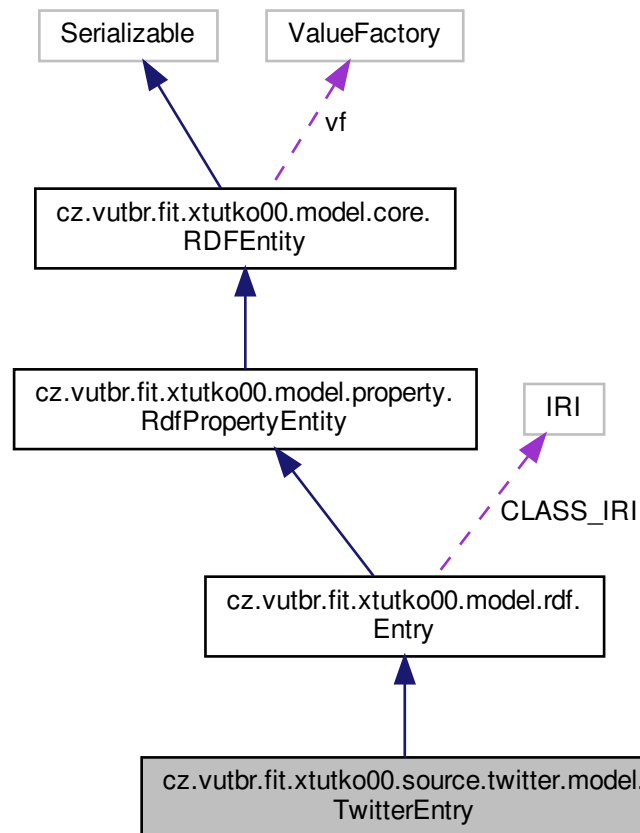
- /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/[TwitterEntityFactory.java](#)

## 7.43 cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntry Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntry:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntry`:



## Public Member Functions

- [TwitterEntry](#) (IRI iri)

## Additional Inherited Members

### 7.43.1 Detailed Description

Reused from `timeline-analyzer`

#### Author

burgetr

### 7.43.2 Constructor & Destructor Documentation

## 7.43.2.1 TwitterEntry()

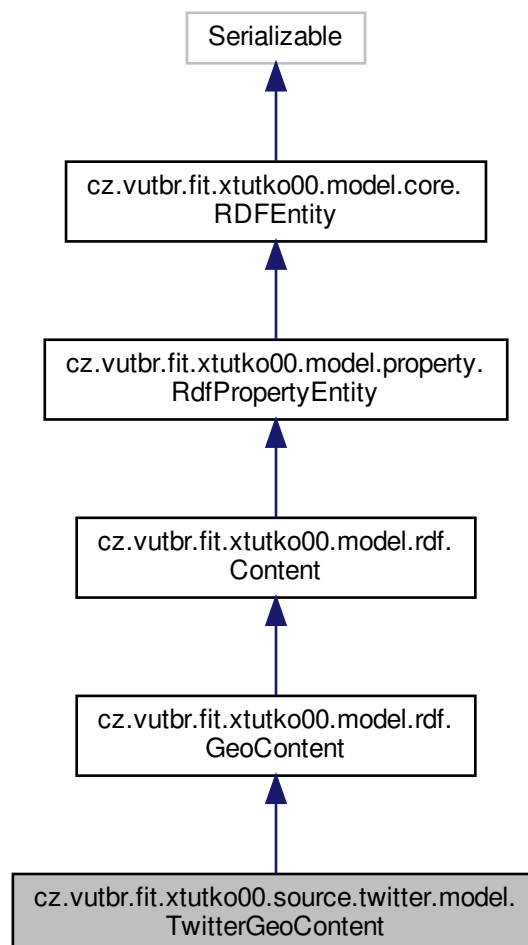
```
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntry.TwitterEntry (
    IRI iri )
```

The documentation for this class was generated from the following file:

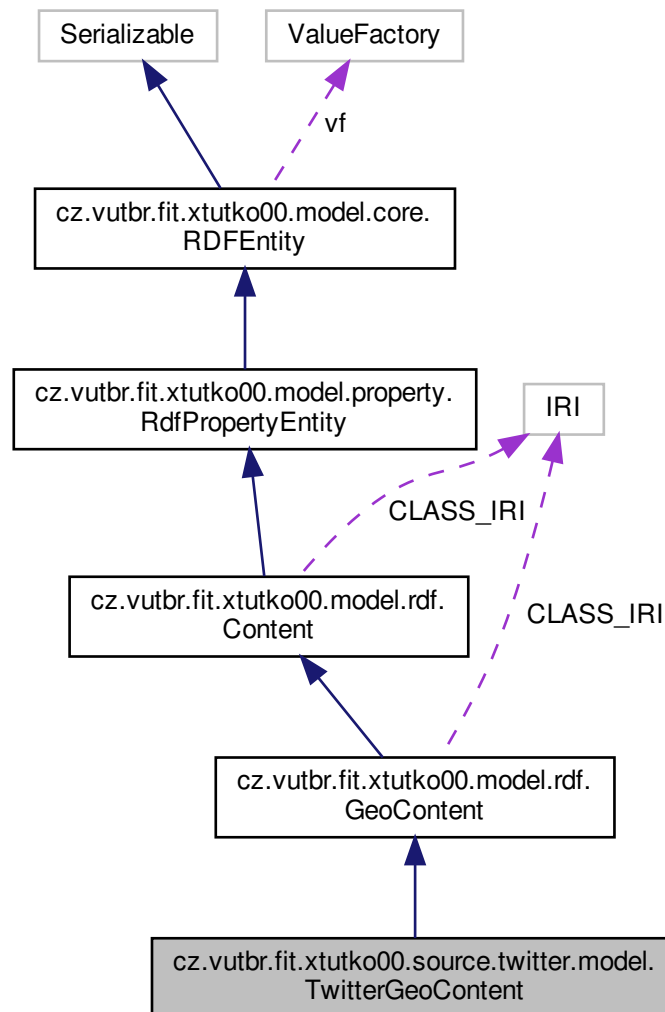
- /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/[TwitterEntry.java](#)

## 7.44 cz.vutbr.fit.xtutko00.source.twitter.model.TwitterGeoContent Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.twitter.model.TwitterGeoContent:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.twitter.model.TwitterGeoContent`:



### Public Member Functions

- [TwitterGeoContent](#) (IRI iri)

### Additional Inherited Members

#### 7.44.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr



## 7.44.2 Constructor & Destructor Documentation

### 7.44.2.1 TwitterGeoContent()

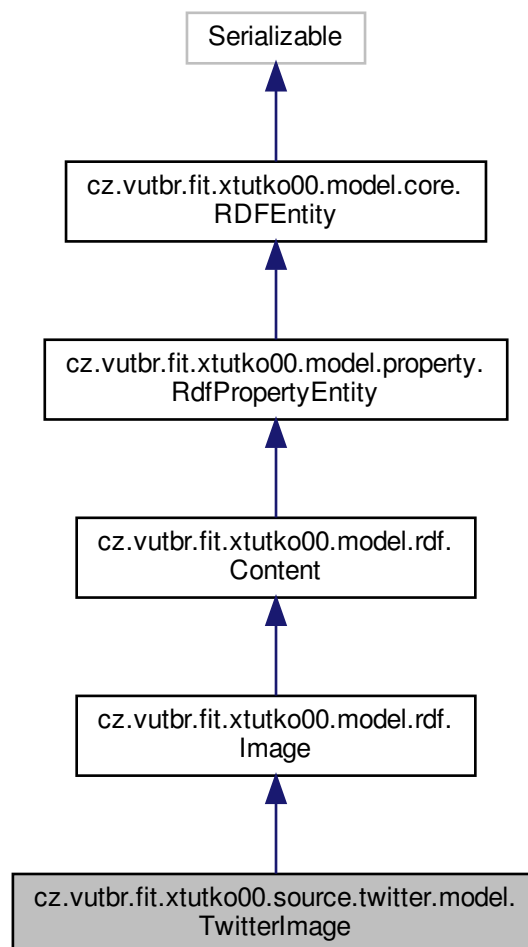
```
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterGeoContent.TwitterGeoContent (
    IRI iri )
```

The documentation for this class was generated from the following file:

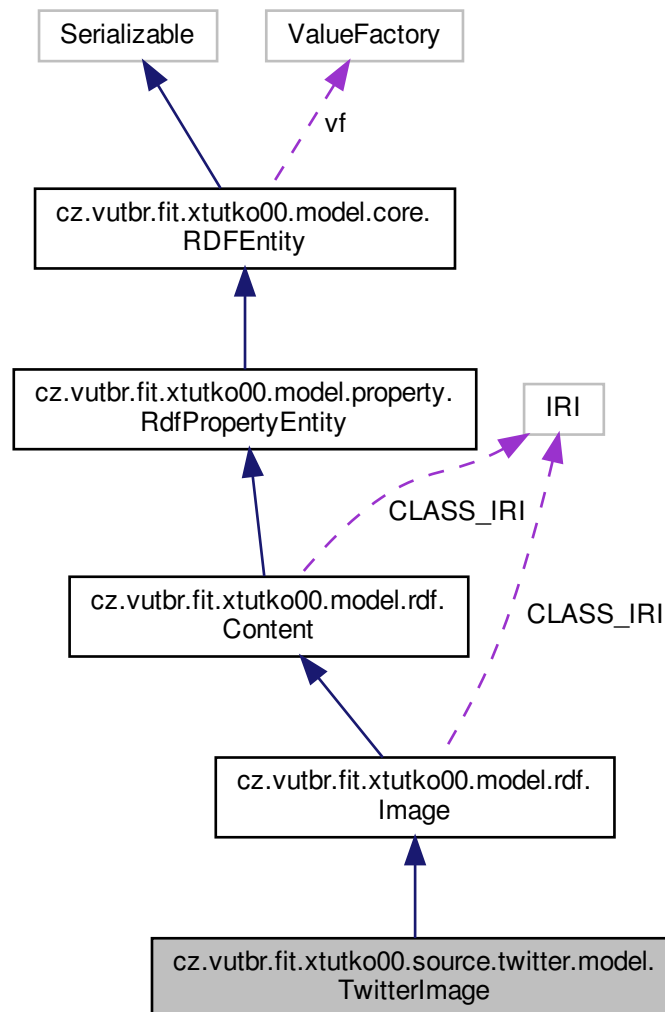
- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterGeoContent.java>

## 7.45 cz.vutbr.fit.xtutko00.source.twitter.model.TwitterImage Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.twitter.model.TwitterImage:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.twitter.model.TwitterImage`:



## Public Member Functions

- [TwitterImage](#) (IRI iri)

## Additional Inherited Members

### 7.45.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

## 7.45.2 Constructor & Destructor Documentation

### 7.45.2.1 TwitterImage()

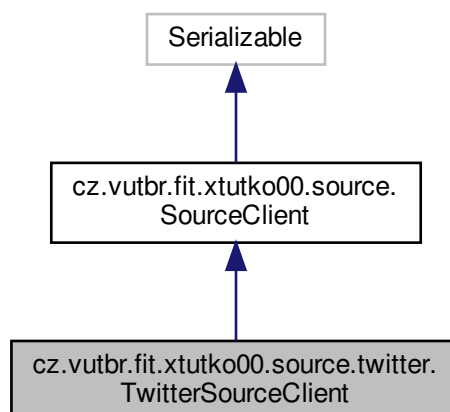
```
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterImage.TwitterImage (  
    IRI iri )
```

The documentation for this class was generated from the following file:

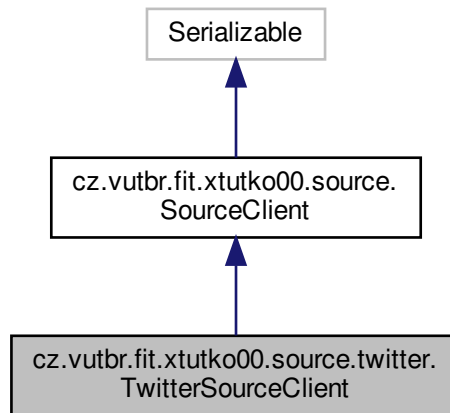
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterImage.java](#)

## 7.46 cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient`:



## Public Member Functions

- [TwitterSourceClient](#) (Twitter twitter)
- [Timeline getTimeline](#) (String userName)

### 7.46.1 Detailed Description

Client for Twitter social network.

Some of the methods reused from `timeline-analyzer`

#### Author

[xtutko00](#)

### 7.46.2 Constructor & Destructor Documentation

#### 7.46.2.1 TwitterSourceClient()

```
cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient.TwitterSourceClient (
    Twitter twitter )
```

### 7.46.3 Member Function Documentation

### 7.46.3.1 getTimeline()

```
Timeline cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient.getTimeline (
    String userName )
```

Downloads timeline of given Twitter user.

## Parameters

<i>userName</i>	string after @ character of user's account
-----------------	--

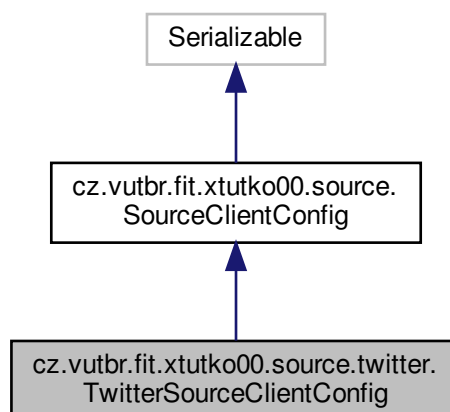
Implements [cz.vutbr.fit.xtutko00.source.SourceClient](#).

The documentation for this class was generated from the following file:

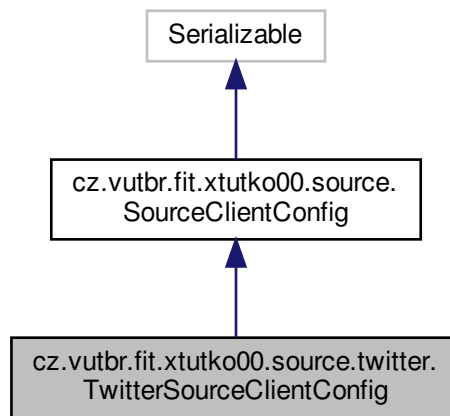
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/TwitterSourceClient.java](#)

## 7.47 cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClientConfig Class Reference

Inheritance diagram for `cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClientConfig`:



Collaboration diagram for cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClientConfig:



## Public Member Functions

- [TwitterSourceClientConfig](#) (String key, String secret)

### 7.47.1 Detailed Description

Twitter source client config.

#### Author

[xtutko00](#)

### 7.47.2 Constructor & Destructor Documentation

#### 7.47.2.1 TwitterSourceClientConfig()

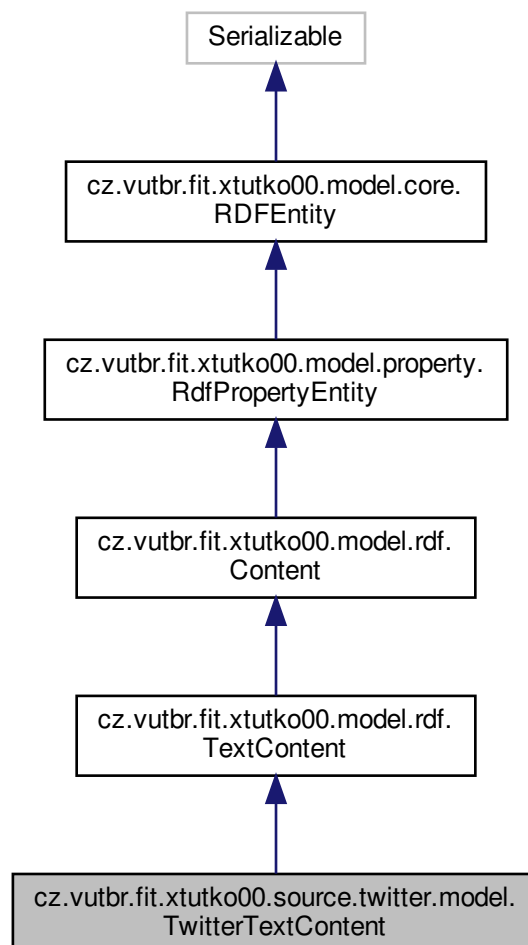
```
cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClientConfig.TwitterSourceClientConfig (
    String key,
    String secret )
```

The documentation for this class was generated from the following file:

- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/TwitterSourceClientConfig.java](#)

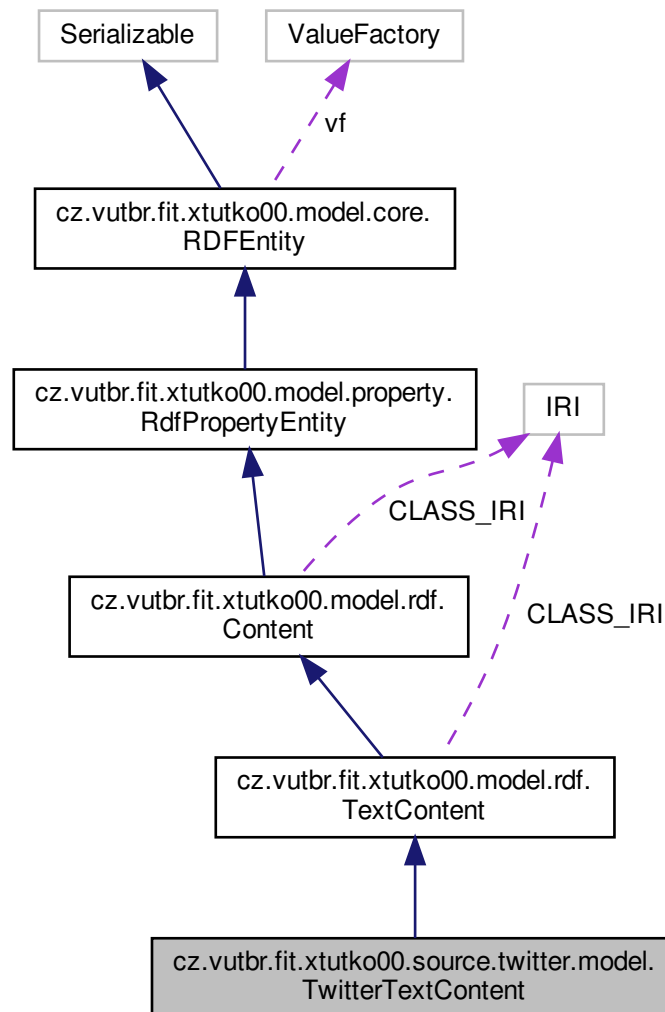
7.48 `cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTextContent` Class Reference

Inheritance diagram for `cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTextContent`:





Collaboration diagram for cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTextContent:



### Public Member Functions

- [TwitterTextContent](#) (IRI iri)

### Additional Inherited Members

#### 7.48.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

## 7.48.2 Constructor & Destructor Documentation

### 7.48.2.1 `TwitterTextContent()`

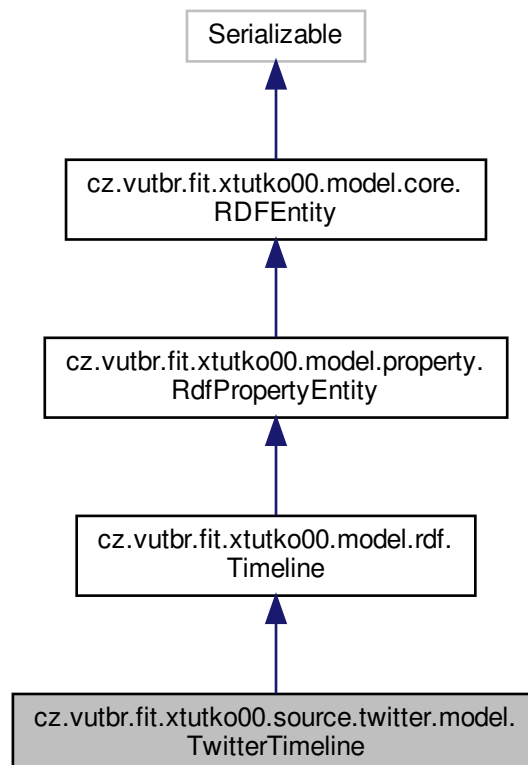
```
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTextContent.TwitterTextContent (
    IRI iri )
```

The documentation for this class was generated from the following file:

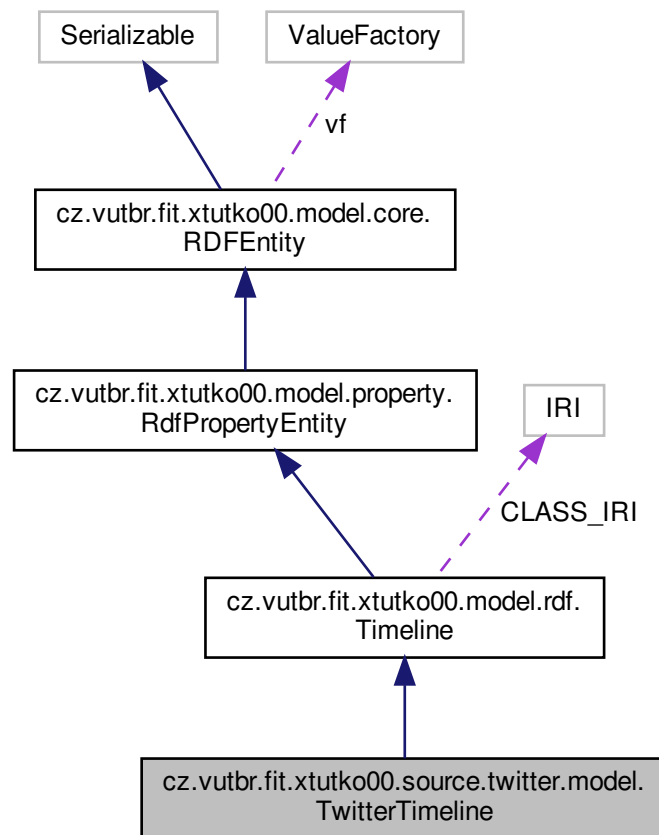
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterTextContent.java](#)

## 7.49 `cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTimeline` Class Reference

Inheritance diagram for `cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTimeline`:



Collaboration diagram for cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTimeline:



### Public Member Functions

- [TwitterTimeline](#) (IRI iri)
- String [getLabel](#) ()

### Additional Inherited Members

#### 7.49.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

#### 7.49.2 Constructor & Destructor Documentation

### 7.49.2.1 TwitterTimeline()

```
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTimeline.TwitterTimeline (
    IRI iri )
```

## 7.49.3 Member Function Documentation

### 7.49.3.1 getLabel()

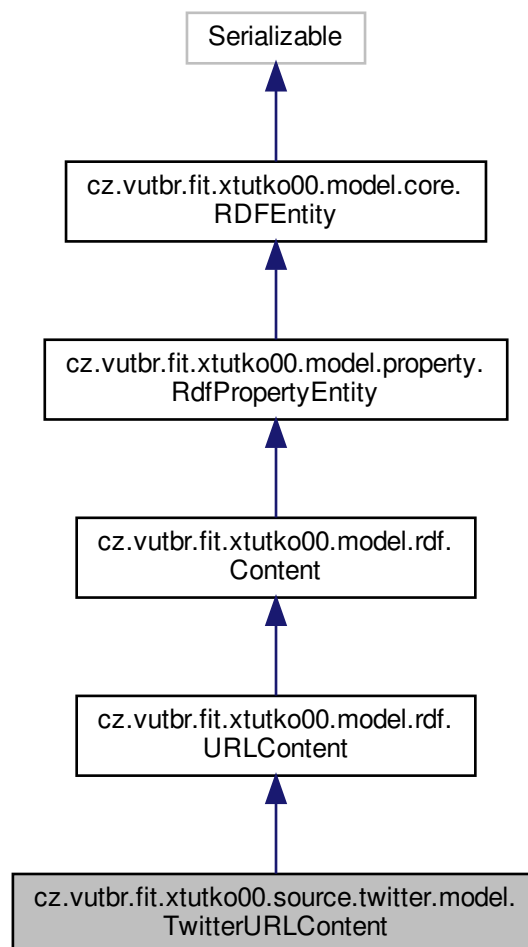
```
String cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTimeline.getLabel ( )
```

The documentation for this class was generated from the following file:

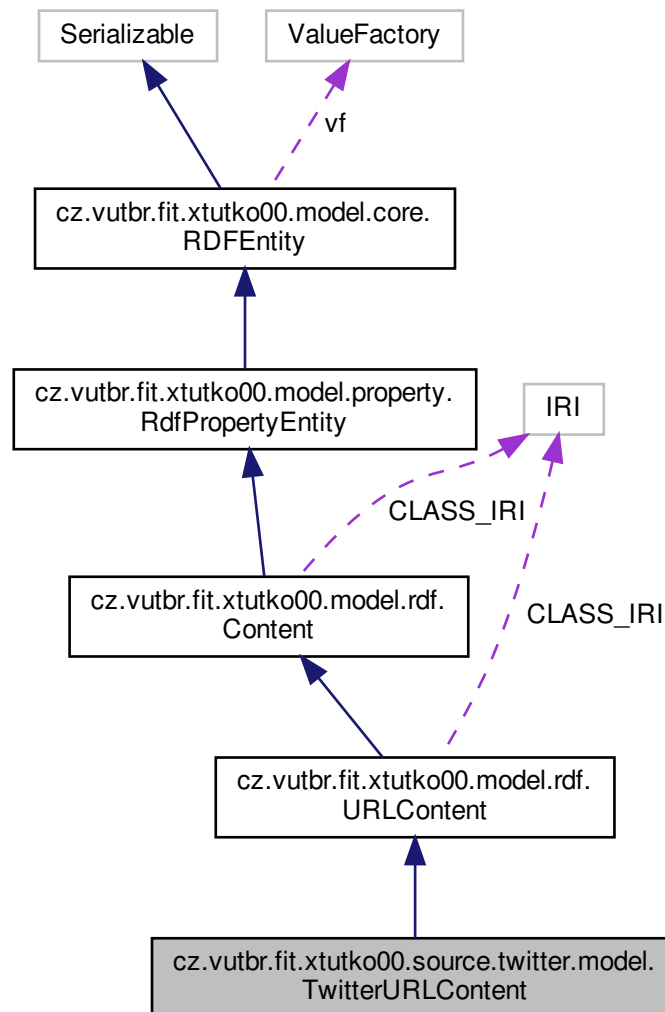
- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterTimeline.java](#)

## 7.50 cz.vutbr.fit.xtutko00.source.twitter.model.TwitterURLContent Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.source.twitter.model.TwitterURLContent:



Collaboration diagram for `cz.vutbr.fit.xtutko00.source.twitter.model.TwitterURLContent`:



## Public Member Functions

- [TwitterURLContent](#) (IRI iri)

## Additional Inherited Members

### 7.50.1 Detailed Description

Reused from [timeline-analyzer](#)

#### Author

burgetr

## 7.50.2 Constructor & Destructor Documentation

### 7.50.2.1 TwitterURLContent()

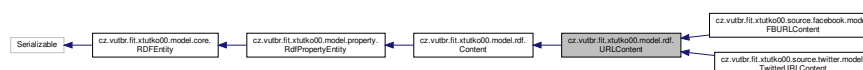
```
cz.vutbr.fit.xtutko00.source.twitter.model.TwitterURLContent.TwitterURLContent (
    IRI iri )
```

The documentation for this class was generated from the following file:

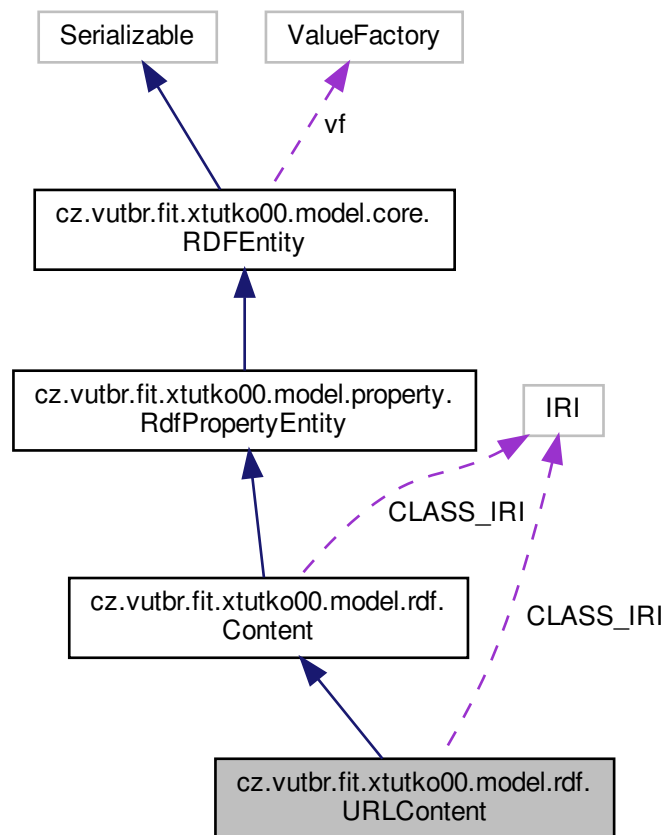
- </home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterURLContent.java>

## 7.51 cz.vutbr.fit.xtutko00.model.rdf.URLContent Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.model.rdf.URLContent:



Collaboration diagram for `cz.vutbr.fit.xtutko00.model.rdf.URLContent`:



## Public Member Functions

- `URLContent` (`IRI iri`)
- `IRI getClassIRI` ()
- `String getText` ()
- `void setText` (`String text`)
- `String getSourceUrl` ()
- `void setSourceUrl` (`String sourceUrl`)
- `void addToModel` (`Model model`)

## Static Public Attributes

- `static final IRI CLASS_IRI = vf.createIRI("http://nesfit.github.io/ontology/ta.owl#URLContent")`

## Protected Member Functions

- `Object [] getProperties` (`IdMaker idMaker`)



### 7.51.1 Detailed Description

UrlContent.

Reused from [timeline-analyzer](#)

Author

[xtutko00](#)

### 7.51.2 Constructor & Destructor Documentation

#### 7.51.2.1 URLContent()

```
cz.vutbr.fit.xtutko00.model.rdf.URLContent.URLContent (
    IRI iri )
```

### 7.51.3 Member Function Documentation

#### 7.51.3.1 addToModel()

```
void cz.vutbr.fit.xtutko00.model.rdf.URLContent.addToModel (
    Model model )
```

Reused from [timeline-analyzer](#)

Author

[burgetr](#)

#### 7.51.3.2 getClassIRI()

```
IRI cz.vutbr.fit.xtutko00.model.rdf.URLContent.getClassIRI ( )
```

#### 7.51.3.3 getProperties()

```
Object [] cz.vutbr.fit.xtutko00.model.rdf.URLContent.getProperties (
    IdMaker idMaker ) [protected]
```

Returns UrlContent properties.

#### 7.51.3.4 getSourceUrl()

```
String cz.vutbr.fit.xtutko00.model.rdf.URLContent.getSourceUrl ( )
```

#### 7.51.3.5 getText()

```
String cz.vutbr.fit.xtutko00.model.rdf.URLContent.getText ( )
```

#### 7.51.3.6 setSourceUrl()

```
void cz.vutbr.fit.xtutko00.model.rdf.URLContent.setSourceUrl (
    String sourceUrl )
```

#### 7.51.3.7 setText()

```
void cz.vutbr.fit.xtutko00.model.rdf.URLContent.setText (
    String text )
```

### 7.51.4 Member Data Documentation

#### 7.51.4.1 CLASS\_IRI

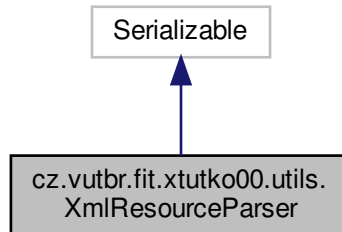
```
final IRI cz.vutbr.fit.xtutko00.model.rdf.URLContent.CLASS_IRI = vf.createIRI("http://nesfit.↵
github.io/ontology/ta.owl#URLContent") [static]
```

The documentation for this class was generated from the following file:

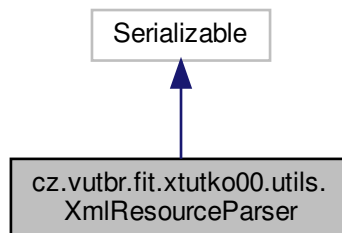
- /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/[URLContent.java](#)

## 7.52 cz.vutbr.fit.xtutko00.utils.XmlResourceParser Class Reference

Inheritance diagram for cz.vutbr.fit.xtutko00.utils.XmlResourceParser:



Collaboration diagram for cz.vutbr.fit.xtutko00.utils.XmlResourceParser:



### Public Member Functions

- [XmlResourceParser](#) (String fileName)
- `Map< String, String > parse ()`

#### 7.52.1 Detailed Description

Parses keys and values from resources formatted as XML. Only valid XML format is: `<configuration> <property> <name>...</name>`

...

`</property> </configuration>`

Author

[xtutko00](#)

## 7.52.2 Constructor & Destructor Documentation

### 7.52.2.1 XmlResourceParser()

```
cz.vutbr.fit.xtutko00.utils.XmlResourceParser.XmlResourceParser (
    String fileName )
```

## 7.52.3 Member Function Documentation

### 7.52.3.1 parse()

```
Map<String, String> cz.vutbr.fit.xtutko00.utils.XmlResourceParser.parse ( )
```

The documentation for this class was generated from the following file:

- [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utils/XmlResourceParser.java](#)

## Chapter 8

# File Documentation

### 8.1 [/home/burgetr/git/socializer/README.md File Reference](#)

### 8.2 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/halyard/HalyardHBaseClient.java File Reference](#)

#### Classes

- class [cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient](#)

#### Packages

- package [cz.vutbr.fit.xtutko00.hbase.halyard](#)

### 8.3 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClient.java File Reference](#)

#### Classes

- interface [cz.vutbr.fit.xtutko00.hbase.HBaseClient](#)

#### Packages

- package [cz.vutbr.fit.xtutko00.hbase](#)

### 8.4 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClientConfig.java File Reference](#)

#### Classes

- class [cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig](#)

## Packages

- package [cz.vutbr.fit.xtutko00.hbase](#)

## 8.5 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/HBaseClientFactory.java](#) File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory](#)
- enum [cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.EClient](#)

## Packages

- package [cz.vutbr.fit.xtutko00.hbase](#)

## 8.6 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/hgraphdb/HGraphDbHBaseClient.java](#) File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient](#)

## Packages

- package [cz.vutbr.fit.xtutko00.hbase.hgraphdb](#)

## 8.7 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainHalyard.java](#) File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.MainHalyard](#)

## Packages

- package [cz.vutbr.fit.xtutko00](#)

## 8.8 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainHGraphDb.java](#) File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.MainHGraphDb](#)

## Packages

- package [cz.vutbr.fit.xtutko00](#)

## 8.9 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/MainSpark.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.MainSpark](#)

## Packages

- package [cz.vutbr.fit.xtutko00](#)

## 8.10 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/EntityFactory.java File Reference ↔

### Classes

- interface [cz.vutbr.fit.xtutko00.model.core.EntityFactory](#)

## Packages

- package [cz.vutbr.fit.xtutko00.model.core](#)

## 8.11 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/RDFEntity.java File Reference ↔

### Classes

- class [cz.vutbr.fit.xtutko00.model.core.RDFEntity](#)

## Packages

- package [cz.vutbr.fit.xtutko00.model.core](#)

## 8.12 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/core/ResourceFactory.java File Reference ↔

### Classes

- class [cz.vutbr.fit.xtutko00.model.core.ResourceFactory](#)

## Packages

- package [cz.vutbr.fit.xtutko00.model.core](#)

## 8.13 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/property/RdfPropertyEntity.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity](#)

## Packages

- package [cz.vutbr.fit.xtutko00.model.property](#)

## 8.14 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Content.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.model.rdf.Content](#)

## Packages

- package [cz.vutbr.fit.xtutko00.model.rdf](#)

## 8.15 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Entry.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.model.rdf.Entry](#)

## Packages

- package [cz.vutbr.fit.xtutko00.model.rdf](#)

## 8.16 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/GeoContent.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.model.rdf.GeoContent](#)



### Packages

- package [cz.vutbr.fit.xtutko00.model.rdf](#)

## 8.17 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Image.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.model.rdf.Image](#)

### Packages

- package [cz.vutbr.fit.xtutko00.model.rdf](#)

## 8.18 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/TAFactory.java File Reference

### Classes

- interface [cz.vutbr.fit.xtutko00.model.rdf.TAFactory](#)

### Packages

- package [cz.vutbr.fit.xtutko00.model.rdf](#)

## 8.19 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/TextContent.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.model.rdf.TextContent](#)

### Packages

- package [cz.vutbr.fit.xtutko00.model.rdf](#)

## 8.20 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/Timeline.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.model.rdf.Timeline](#)

## Packages

- package [cz.vutbr.fit.xtutko00.model.rdf](#)

### 8.21 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/URLContent.java](#) File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.model.rdf.URLContent](#)

## Packages

- package [cz.vutbr.fit.xtutko00.model.rdf](#)

### 8.22 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/rdf/vocabulary/TA.java](#) File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA](#)

## Packages

- package [cz.vutbr.fit.xtutko00.model.rdf.vocabulary](#)

### 8.23 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/ESourceType.java](#) File Reference

## Classes

- enum [cz.vutbr.fit.xtutko00.source.ESourceType](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source](#)

### 8.24 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/FacebookSourceClient.java](#) File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient](#)

- package [cz.vutbr.fit.xtutko00.source.facebook](#)

## 8.25 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/ ↩ FacebookSourceClientConfig.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClientConfig](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source.facebook](#)

## 8.26 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/ ↩ FBEntityFactory.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source.facebook.model](#)

## 8.27 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/ ↩ FBEntry.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.facebook.model.FBEntry](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source.facebook.model](#)

## 8.28 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/ ↩ FBGeoContent.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.facebook.model.FBGeoContent](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source.facebook.model](#)

## 8.29 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/](#)↔ FBImage.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.facebook.model.FBImage](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source.facebook.model](#)

## 8.30 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/](#)↔ FBTextContent.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.facebook.model.FBTextContent](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source.facebook.model](#)

## 8.31 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/](#)↔ FBTimeline.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.facebook.model.FBTimeline](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source.facebook.model](#)

## 8.32 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/facebook/model/](#)↔ FBURLContent.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.facebook.model.FBURLContent](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source.facebook.model](#)

## 8.33 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/Source.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.Source](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source](#)

## 8.34 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/SourceClient.java File Reference

### Classes

- interface [cz.vutbr.fit.xtutko00.source.SourceClient](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source](#)

## 8.35 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/SourceClientConfig.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.SourceClientConfig](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source](#)

## 8.36 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/SourceClientFactory.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.SourceClientFactory](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source](#)

### 8.37 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/](#)↔ TwitterEntityFactory.java File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source.twitter.model](#)

### 8.38 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/](#)↔ TwitterEntry.java File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntry](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source.twitter.model](#)

### 8.39 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/](#)↔ TwitterGeoContent.java File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterGeoContent](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source.twitter.model](#)

### 8.40 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/](#)↔ TwitterImage.java File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterImage](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source.twitter.model](#)

## 8.41 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterTextContent.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTextContent](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source.twitter.model](#)

## 8.42 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterTimeline.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTimeline](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source.twitter.model](#)

## 8.43 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/model/TwitterURLContent.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.twitter.model.TwitterURLContent](#)

### Packages

- package [cz.vutbr.fit.xtutko00.source.twitter.model](#)

## 8.44 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/TwitterSourceClient.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source.twitter](#)

### 8.45 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/twitter/](#)↔ TwitterSourceClientConfig.java File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClientConfig](#)

## Packages

- package [cz.vutbr.fit.xtutko00.source.twitter](#)

### 8.46 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/spark/SparkRunner.java](#) File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.spark.SparkRunner](#)

## Packages

- package [cz.vutbr.fit.xtutko00.spark](#)

### 8.47 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/spark/SparkRunner](#)↔ Conf.java File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.spark.SparkRunnerConf](#)

## Packages

- package [cz.vutbr.fit.xtutko00.spark](#)

### 8.48 [/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/TableBuilder.java](#) File Reference

## Classes

- class [cz.vutbr.fit.xtutko00.TableBuilder](#)



### Packages

- package [cz.vutbr.fit.xtutko00](#)

## 8.49 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utis/IdMaker.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.utis.IdMaker](#)

### Packages

- package [cz.vutbr.fit.xtutko00.utis](#)

## 8.50 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utis/Logger.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.utis.Logger](#)

### Packages

- package [cz.vutbr.fit.xtutko00.utis](#)

## 8.51 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utis/StopWatch.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.utis.StopWatch](#)

### Packages

- package [cz.vutbr.fit.xtutko00.utis](#)

## 8.52 /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utis/XMLResourceParser.java File Reference

### Classes

- class [cz.vutbr.fit.xtutko00.utis.XMLResourceParser](#)

### Packages

- package [cz.vutbr.fit.xtutko00.utis](#)



# Index

/home/burgetr/git/socializer/README.md, 141

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/↔  
MainHGraphDb.java, 142

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/↔  
MainHalyard.java, 142

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/↔  
MainSpark.java, 143

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/↔  
TableBuilder.java, 152

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/↔  
HBaseClient.java, 141

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/↔  
HBaseClientConfig.java, 141

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/↔  
HBaseClientFactory.java, 142

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/↔  
HalyardHBaseClient.java, 141

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/hbase/↔  
HGraphDbHBaseClient.java, 142

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
EntityFactory.java, 143

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
RDFEntity.java, 143

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
ResourceFactory.java, 143

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
RdfPropertyEntity.java, 144

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
Content.java, 144

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
Entry.java, 144

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
GeoContent.java, 144

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
Image.java, 145

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
TAFactory.java, 145

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
TextContent.java, 145

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
Timeline.java, 145

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
URLContent.java, 146

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/model/↔  
TA.java, 146

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
ESourceType.java, 146

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
Source.java, 149

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
SourceClient.java, 149

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
SourceClientConfig.java, 149

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
SourceClientFactory.java, 149

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
FacebookSourceClient.java, 146

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
FacebookSourceClientConfig.java, 147

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
FBEntityFactory.java, 147

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
FBEntry.java, 147

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
FBFactory.java, 147

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
FBPage.java, 148

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
FBTextContent.java, 148

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
FBTimeline.java, 148

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
FBURLContent.java, 148

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
TwitterSourceClient.java, 151

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
TwitterSourceClientConfig.java, 152

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
TwitterEntityFactory.java, 150

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
TwitterEntry.java, 150

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
TwitterGeoContent.java, 150

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
TwitterImage.java, 150

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
TwitterTextContent.java, 151

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
TwitterTimeline.java, 151

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/source/↔  
TwitterURLContent.java, 151

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/spark/↔  
SparkRunner.java, 152

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/spark/↔  
SparkRunnerConf.java, 152

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utills/↔  
IdMaker.java, 153

/home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utills/↔

- Logger.java, 153
- /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utlz/
  - StopWatch.java, 153
  - /home/burgetr/git/socializer/src/main/java/cz/vutbr/fit/xtutko00/utlz/
    - XmlResourceParser.java, 153
- addArray
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 74, 75
- addCollection
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 75
- addCollectionData
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 75
- addCollectionWithData
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 75
- addEntry
  - cz::vutbr::fit::xtutko00::model::rdf::Timeline, 111
- addObject
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 76
- addObjectWithData
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 76
- addSparkProperty
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf, 93
- addToGraph
  - cz::vutbr::fit::xtutko00::model::property::Rdf↔PropertyEntity, 82
- addToModel
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 76
  - cz::vutbr::fit::xtutko00::model::rdf::Content, 21
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 24
  - cz::vutbr::fit::xtutko00::model::rdf::GeoContent, 52
  - cz::vutbr::fit::xtutko00::model::rdf::Image, 67
  - cz::vutbr::fit::xtutko00::model::rdf::TextContent, 108
  - cz::vutbr::fit::xtutko00::model::rdf::Timeline, 111
  - cz::vutbr::fit::xtutko00::model::rdf::URLContent, 137
- addValue
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 76, 77
- buildLabel
  - cz::vutbr::fit::xtutko00::model::property::Rdf↔PropertyEntity, 82
- CLASS\_IRI
  - cz::vutbr::fit::xtutko00::model::rdf::Content, 21
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 26
  - cz::vutbr::fit::xtutko00::model::rdf::GeoContent, 53
  - cz::vutbr::fit::xtutko00::model::rdf::Image, 68
  - cz::vutbr::fit::xtutko00::model::rdf::TextContent, 109
  - cz::vutbr::fit::xtutko00::model::rdf::Timeline, 112
  - cz::vutbr::fit::xtutko00::model::rdf::URLContent, 138
- compareHBaseClients
  - cz::vutbr::fit::xtutko00::spark::SparkRunner, 91
- contains
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 97
- Content
  - cz::vutbr::fit::xtutko00::model::rdf::Content, 21
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 97
- contextLink
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 97
- createClient
  - cz::vutbr::fit::xtutko00::hbase::HBaseClientFactory, 61
- createContent
  - cz::vutbr::fit::xtutko00::model::rdf::TAFactory, 105
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔FEntityFactory, 34
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterEntityFactory, 114
- createEntry
  - cz::vutbr::fit::xtutko00::model::rdf::TAFactory, 105
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔FEntityFactory, 34
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterEntityFactory, 114, 115
- createGeoContent
  - cz::vutbr::fit::xtutko00::model::rdf::TAFactory, 105
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔FEntityFactory, 34
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterEntityFactory, 115
- createImage
  - cz::vutbr::fit::xtutko00::model::rdf::TAFactory, 105
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔FEntityFactory, 35
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterEntityFactory, 115
- createResourceIRI
  - cz::vutbr::fit::xtutko00::model::core::Resource↔Factory, 83
- createSourceClient
  - cz::vutbr::fit::xtutko00::source::SourceClient↔Factory, 89
- createTable
  - cz::vutbr::fit::xtutko00::hbase::HBaseClient, 57
  - cz::vutbr::fit::xtutko00::hbase::halyard::HalyardH↔BaseClient, 55
  - cz::vutbr::fit::xtutko00::hbase::hgraphdb::H↔GraphDbHBaseClient, 63
- createTextContent
  - cz::vutbr::fit::xtutko00::model::rdf::TAFactory, 106
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔FEntityFactory, 35
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterEntityFactory, 115, 116
- createTimeline
  - cz::vutbr::fit::xtutko00::model::rdf::TAFactory, 106
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔FEntityFactory, 35
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterEntityFactory, 116

- createURLContent
  - cz::vutbr::fit::xtutko00::model::rdf::TAFactory, 106
  - cz::vutbr::fit::xtutko00::source::facebook::model::FBEntityFactory, 36
  - cz::vutbr::fit::xtutko00::source::twitter::model::TwitterEntityFactory, 116
- cz, 13
- cz.vutbr, 13
- cz.vutbr.fit, 13
- cz.vutbr.fit.xtutko00, 13
- cz.vutbr.fit.xtutko00.hbase, 14
- cz.vutbr.fit.xtutko00.hbase.HBaseClient, 57
- cz.vutbr.fit.xtutko00.hbase.HBaseClientConfig, 58
- cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory, 60
- cz.vutbr.fit.xtutko00.hbase.HBaseClientFactory.EClient, 22
- cz.vutbr.fit.xtutko00.hbase.halyard, 14
- cz.vutbr.fit.xtutko00.hbase.halyard.HalyardHBaseClient, 54
- cz.vutbr.fit.xtutko00.hbase.hgraphdb, 14
- cz.vutbr.fit.xtutko00.hbase.hgraphdb.HGraphDbHBaseClient, 62
- cz.vutbr.fit.xtutko00.MainHGraphDb, 71
- cz.vutbr.fit.xtutko00.MainHalyard, 70
- cz.vutbr.fit.xtutko00.MainSpark, 72
- cz.vutbr.fit.xtutko00.model, 14
- cz.vutbr.fit.xtutko00.model.core, 15
- cz.vutbr.fit.xtutko00.model.core.EntityFactory, 22
- cz.vutbr.fit.xtutko00.model.core.RDFEntity, 72
- cz.vutbr.fit.xtutko00.model.core.ResourceFactory, 83
- cz.vutbr.fit.xtutko00.model.property, 15
- cz.vutbr.fit.xtutko00.model.property.RdfPropertyEntity, 81
- cz.vutbr.fit.xtutko00.model.rdf, 15
- cz.vutbr.fit.xtutko00.model.rdf.Content, 19
- cz.vutbr.fit.xtutko00.model.rdf.Entry, 23
- cz.vutbr.fit.xtutko00.model.rdf.GeoContent, 50
- cz.vutbr.fit.xtutko00.model.rdf.Image, 65
- cz.vutbr.fit.xtutko00.model.rdf.TAFactory, 104
- cz.vutbr.fit.xtutko00.model.rdf.TextContent, 107
- cz.vutbr.fit.xtutko00.model.rdf.Timeline, 110
- cz.vutbr.fit.xtutko00.model.rdf.URLContent, 135
- cz.vutbr.fit.xtutko00.model.rdf.vocabulary, 15
- cz.vutbr.fit.xtutko00.model.rdf.vocabulary.TA, 96
- cz.vutbr.fit.xtutko00.source, 15
- cz.vutbr.fit.xtutko00.source.ESourceType, 27
- cz.vutbr.fit.xtutko00.source.facebook, 16
- cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClient, 28
- cz.vutbr.fit.xtutko00.source.facebook.FacebookSourceClientConfig, 30
- cz.vutbr.fit.xtutko00.source.facebook.model, 16
- cz.vutbr.fit.xtutko00.source.facebook.model.FBEntityFactory, 32
- cz.vutbr.fit.xtutko00.source.facebook.model.FBEntry, 37
- cz.vutbr.fit.xtutko00.source.facebook.model.FBGeoContent, 39
- cz.vutbr.fit.xtutko00.source.facebook.model.FBImage, 41
- cz.vutbr.fit.xtutko00.source.facebook.model.FBTextContent, 43
- cz.vutbr.fit.xtutko00.source.facebook.model.FBTimeline, 45
- cz.vutbr.fit.xtutko00.source.facebook.model.FBURLContent, 48
- cz.vutbr.fit.xtutko00.source.Source, 84
- cz.vutbr.fit.xtutko00.source.SourceClient, 85
- cz.vutbr.fit.xtutko00.source.SourceClientConfig, 87
- cz.vutbr.fit.xtutko00.source.SourceClientFactory, 88
- cz.vutbr.fit.xtutko00.source.twitter, 17
- cz.vutbr.fit.xtutko00.source.twitter.model, 17
- cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntityFactory, 113
- cz.vutbr.fit.xtutko00.source.twitter.model.TwitterEntry, 117
- cz.vutbr.fit.xtutko00.source.twitter.model.TwitterGeoContent, 119
- cz.vutbr.fit.xtutko00.source.twitter.model.TwitterImage, 121
- cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTextContent, 128
- cz.vutbr.fit.xtutko00.source.twitter.model.TwitterTimeline, 130
- cz.vutbr.fit.xtutko00.source.twitter.model.TwitterURLContent, 133
- cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClient, 123
- cz.vutbr.fit.xtutko00.source.twitter.TwitterSourceClientConfig, 126
- cz.vutbr.fit.xtutko00.spark, 18
- cz.vutbr.fit.xtutko00.spark.SparkRunner, 90
- cz.vutbr.fit.xtutko00.spark.SparkRunnerConf, 92
- cz.vutbr.fit.xtutko00.TableBuilder, 103
- cz.vutbr.fit.xtutko00.utils, 18
- cz.vutbr.fit.xtutko00.utils.IdMaker, 64
- cz.vutbr.fit.xtutko00.utils.Logger, 68
- cz.vutbr.fit.xtutko00.utils.StopWatch, 94
- cz.vutbr.fit.xtutko00.utils.XmlResourceParser, 139
- cz::vutbr::fit::xtutko00::MainHGraphDb
  - main, 71
- cz::vutbr::fit::xtutko00::MainHalyard
  - main, 71
- cz::vutbr::fit::xtutko00::MainSpark
  - main, 72
- cz::vutbr::fit::xtutko00::TableBuilder
  - main, 104
- cz::vutbr::fit::xtutko00::hbase::HBaseClient
  - createTable, 57
  - saveTimeline, 58
- cz::vutbr::fit::xtutko00::hbase::HBaseClientConfig
  - getHBaseSiteFilename, 59
  - getTableName, 59
  - setHBaseSiteFilename, 59
  - setTableName, 59
- cz::vutbr::fit::xtutko00::hbase::HBaseClientFactory
  - createClient, 61

- HBaseClientFactory, 61
- cz::vutbr::fit::xtutko00::hbase::HBaseClientFactory::E↔
  - Client
  - HALYARD, 22
  - HGRAPHDB, 22
- cz::vutbr::fit::xtutko00::hbase::halyard::HalyardHBase↔
  - Client
  - createTable, 55
  - HalyardHBaseClient, 55
  - saveTimeline, 55
  - testEntryTimestamps, 56
  - testEntryTimestampsWithSort, 56
  - testLongestEntryText, 56
  - testNumberOfEntries, 56
  - testSharedUrls, 56
- cz::vutbr::fit::xtutko00::hbase::hgraphdb::HGraphDbH↔
  - BaseClient
  - createTable, 63
  - HGraphDbHBaseClient, 63
  - saveTimeline, 63
  - testEntryTimestamps, 63
  - testEntryTimestampsWithSort, 64
  - testLongestEntryText, 64
  - testNumberOfEntries, 64
  - testSharedUrls, 64
- cz::vutbr::fit::xtutko00::model::core::RDFEntity
  - addArray, 74, 75
  - addCollection, 75
  - addCollectionData, 75
  - addCollectionWithData, 75
  - addObject, 76
  - addObjectWithData, 76
  - addToModel, 76
  - addValue, 76, 77
  - getClassIRI, 77
  - getIRI, 77
  - getLabel, 77
  - getObjectIRIs, 78
  - loadDateArray, 78
  - loadDateValue, 78
  - loadDoubleArray, 78
  - loadDoubleValue, 78
  - loadFloatArray, 78
  - loadFloatValue, 79
  - loadFromModel, 79
  - loadIntArray, 79
  - loadIntValue, 79
  - loadStringArray, 79
  - loadStringValue, 79
  - loadURLArray, 80
  - loadURLValue, 80
  - RDFEntity, 74
  - vf, 80
- cz::vutbr::fit::xtutko00::model::core::ResourceFactory
  - createResourceIRI, 83
- cz::vutbr::fit::xtutko00::model::property::RdfProperty↔
  - Entity
  - addToGraph, 82
  - buildLabel, 82
  - getEntities, 82
  - getProperties, 82
  - RdfPropertyEntity, 82
- cz::vutbr::fit::xtutko00::model::rdf::Content
  - addToModel, 21
  - CLASS\_IRI, 21
  - Content, 21
  - getClassIRI, 21
  - getProperties, 21
- cz::vutbr::fit::xtutko00::model::rdf::Entry
  - addToModel, 24
  - CLASS\_IRI, 26
  - Entry, 24
  - getClassIRI, 25
  - getContains, 25
  - getEntities, 25
  - getProperties, 25
  - getSourceId, 25
  - getSourceTimeline, 25
  - getTimestamp, 26
  - setSourceId, 26
  - setSourceTimeline, 26
  - setTimestamp, 26
- cz::vutbr::fit::xtutko00::model::rdf::GeoContent
  - addToModel, 52
  - CLASS\_IRI, 53
  - GeoContent, 52
  - getClassIRI, 52
  - getLatitude, 52
  - getLongitude, 52
  - getProperties, 53
  - setLatitude, 53
  - setLongitude, 53
- cz::vutbr::fit::xtutko00::model::rdf::Image
  - addToModel, 67
  - CLASS\_IRI, 68
  - getClassIRI, 67
  - getProperties, 67
  - getSourceUrl, 67
  - Image, 67
  - setSourceUrl, 68
- cz::vutbr::fit::xtutko00::model::rdf::TAFactory
  - createContent, 105
  - createEntry, 105
  - createGeoContent, 105
  - createImage, 105
  - createTextContent, 106
  - createTimeline, 106
  - createUrlContent, 106
- cz::vutbr::fit::xtutko00::model::rdf::TextContent
  - addToModel, 108
  - CLASS\_IRI, 109
  - getClassIRI, 108
  - getProperties, 109
  - getText, 109
  - setText, 109
  - TextContent, 108

- cz::vutbr::fit::xtutko00::model::rdf::Timeline
  - addEntry, 111
  - addToModel, 111
  - CLASS\_IRI, 112
  - getClassIRI, 111
  - getEntities, 112
  - getEntries, 112
  - getProperties, 112
  - getSourceId, 112
  - setSourceId, 112
  - Timeline, 111
- cz::vutbr::fit::xtutko00::model::rdf::URLContent
  - addToModel, 137
  - CLASS\_IRI, 138
  - getClassIRI, 137
  - getProperties, 137
  - getSourceUrl, 137
  - getText, 138
  - setSourceUrl, 138
  - setText, 138
  - URLContent, 137
- cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA
  - contains, 97
  - Content, 97
  - contextLink, 97
  - Entry, 98
  - GeoContent, 98
  - Image, 98
  - latitude, 99
  - longitude, 99
  - NAMESPACE, 99
  - PREFIX, 100
  - sameURL, 100
  - sourceId, 100
  - sourceTimeline, 100
  - sourceUrl, 101
  - text, 101
  - TextContent, 101
  - Timeline, 102
  - timestamp, 102
  - URLContent, 102
  - urlMention, 103
- cz::vutbr::fit::xtutko00::source::ESourceType
  - FACEBOOK, 28
  - TWITTER, 28
- cz::vutbr::fit::xtutko00::source::Source
  - getName, 85
  - getType, 85
  - Source, 85
- cz::vutbr::fit::xtutko00::source::SourceClient
  - getTimeline, 86
- cz::vutbr::fit::xtutko00::source::SourceClientConfig
  - getKey, 88
  - getSecret, 88
  - SourceClientConfig, 87
- cz::vutbr::fit::xtutko00::source::SourceClientFactory
  - createSourceClient, 89
  - SourceClientFactory, 89
- cz::vutbr::fit::xtutko00::source::facebook::Facebook↔
  - SourceClient
  - FacebookSourceClient, 29
  - getTimeline, 30
- cz::vutbr::fit::xtutko00::source::facebook::Facebook↔
  - SourceClientConfig
  - FacebookSourceClientConfig, 31
  - getUntilDate, 31
- cz::vutbr::fit::xtutko00::source::facebook::model::FB↔
  - EntityFactory
  - createContent, 34
  - createEntry, 34
  - createGeoContent, 34
  - createImage, 35
  - createTextContent, 35
  - createTimeline, 35
  - createUrlContent, 36
  - FBEntityFactory, 34
  - getInstance, 36
- cz::vutbr::fit::xtutko00::source::facebook::model::FB↔
  - Entry
  - FBEntry, 38
- cz::vutbr::fit::xtutko00::source::facebook::model::FB↔
  - GeoContent
  - FBGeoContent, 41
- cz::vutbr::fit::xtutko00::source::facebook::model::FB↔
  - Image
  - FBImage, 43
- cz::vutbr::fit::xtutko00::source::facebook::model::FB↔
  - TextContent
  - FBTextContent, 45
- cz::vutbr::fit::xtutko00::source::facebook::model::FB↔
  - Timeline
  - FBTimeline, 46
  - getLabel, 47
- cz::vutbr::fit::xtutko00::source::facebook::model::FBU↔
  - RLContent
  - FBURLContent, 50
- cz::vutbr::fit::xtutko00::source::twitter::TwitterSource↔
  - Client
  - getTimeline, 124
  - TwitterSourceClient, 124
- cz::vutbr::fit::xtutko00::source::twitter::TwitterSource↔
  - ClientConfig
  - TwitterSourceClientConfig, 127
- cz::vutbr::fit::xtutko00::source::twitter::model::Twitter↔
  - EntityFactory
  - createContent, 114
  - createEntry, 114, 115
  - createGeoContent, 115
  - createImage, 115
  - createTextContent, 115, 116
  - createTimeline, 116
  - createUrlContent, 116
  - getInstance, 116
  - TwitterEntityFactory, 114
- cz::vutbr::fit::xtutko00::source::twitter::model::Twitter↔
  - Entry

- TwitterEntry, 118
- cz::vutbr::fit::xtutko00::source::twitter::model::Twitter↔
  - GeoContent
  - TwitterGeoContent, 121
  - cz::vutbr::fit::xtutko00::source::twitter::model::Twitter↔
    - Image
    - TwitterImage, 123
    - cz::vutbr::fit::xtutko00::source::twitter::model::Twitter↔
      - TextContent
      - TwitterTextContent, 130
      - cz::vutbr::fit::xtutko00::source::twitter::model::Twitter↔
        - Timeline
        - getLabel, 132
        - TwitterTimeline, 131
    - cz::vutbr::fit::xtutko00::source::twitter::model::TwitterU↔
      - RLContent
      - TwitterURLContent, 135
  - cz::vutbr::fit::xtutko00::spark::SparkRunner
    - compareHBaseClients, 91
    - downloadTimelines, 91
    - SparkRunner, 91
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf
    - addSparkProperty, 93
    - getHBaseClientFactory, 93
    - getNumOfPartitions, 93
    - getSourceClientFactory, 93
    - getSources, 93
    - getSparkProperties, 93
    - setHBaseClientFactory, 94
    - setNumOfPartitions, 94
    - setSourceClientFactory, 94
    - setSources, 94
- cz::vutbr::fit::xtutko00::utils::IdMaker
  - getId, 65
  - IdMaker, 65
- cz::vutbr::fit::xtutko00::utils::Logger
  - debug, 69
  - error, 70
  - info, 70
  - Logger, 69
  - warning, 70
- cz::vutbr::fit::xtutko00::utils::StopWatch
  - getTimeMillis, 95
  - getTimeSec, 95
  - start, 95
  - stop, 95
- cz::vutbr::fit::xtutko00::utils::XmlResourceParser
  - parse, 140
  - XmlResourceParser, 140
- debug
  - cz::vutbr::fit::xtutko00::utils::Logger, 69
- downloadTimelines
  - cz::vutbr::fit::xtutko00::spark::SparkRunner, 91
- Entry
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 24
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 98
- error
  - cz::vutbr::fit::xtutko00::utils::Logger, 70
- FACEBOOK
  - cz::vutbr::fit::xtutko00::source::ESourceType, 28
- FBEntityFactory
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔
    - FBEntityFactory, 34
- FBEntry
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔
    - FBEntry, 38
- FBGeoContent
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔
    - FBGeoContent, 41
- FBImage
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔
    - FBImage, 43
- FBTextContent
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔
    - FBTextContent, 45
- FBTimeline
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔
    - FBTimeline, 46
- FBURLContent
  - cz::vutbr::fit::xtutko00::source::facebook::model::↔
    - FBURLContent, 50
- FacebookSourceClient
  - cz::vutbr::fit::xtutko00::source::facebook::Facebook↔
    - SourceClient, 29
- FacebookSourceClientConfig
  - cz::vutbr::fit::xtutko00::source::facebook::Facebook↔
    - SourceClientConfig, 31
- GeoContent
  - cz::vutbr::fit::xtutko00::model::rdf::GeoContent, 52
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 98
- getClassIRI
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 77
  - cz::vutbr::fit::xtutko00::model::rdf::Content, 21
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 25
  - cz::vutbr::fit::xtutko00::model::rdf::GeoContent, 52
  - cz::vutbr::fit::xtutko00::model::rdf::Image, 67
  - cz::vutbr::fit::xtutko00::model::rdf::TextContent, 108
  - cz::vutbr::fit::xtutko00::model::rdf::Timeline, 111
  - cz::vutbr::fit::xtutko00::model::rdf::URLContent, 137
- getContains
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 25
- getEntities
  - cz::vutbr::fit::xtutko00::model::property::Rdf↔
    - PropertyEntity, 82
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 25
  - cz::vutbr::fit::xtutko00::model::rdf::Timeline, 112
- getEntries
  - cz::vutbr::fit::xtutko00::model::rdf::Timeline, 112
- getHBaseClientFactory
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf, 93



- getHBaseSiteFilename
  - cz::vutbr::fit::xtutko00::hbase::HBaseClientConfig, 59
- getIRI
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 77
- getId
  - cz::vutbr::fit::xtutko00::utils::IdMaker, 65
- getInstance
  - cz::vutbr::fit::xtutko00::source::facebook::model::FBEntityFactory, 36
  - cz::vutbr::fit::xtutko00::source::twitter::model::TwitterEntityFactory, 116
- getKey
  - cz::vutbr::fit::xtutko00::source::SourceClientConfig, 88
- getLabel
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 77
  - cz::vutbr::fit::xtutko00::source::facebook::model::FBTimeline, 47
  - cz::vutbr::fit::xtutko00::source::twitter::model::TwitterTimeline, 132
- getLatitude
  - cz::vutbr::fit::xtutko00::model::rdf::GeoContent, 52
- getLongitude
  - cz::vutbr::fit::xtutko00::model::rdf::GeoContent, 52
- getName
  - cz::vutbr::fit::xtutko00::source::Source, 85
- getNumOfPartitions
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf, 93
- getObjectIRIs
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 78
- getProperties
  - cz::vutbr::fit::xtutko00::model::property::RdfPropertyEntity, 82
  - cz::vutbr::fit::xtutko00::model::rdf::Content, 21
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 25
  - cz::vutbr::fit::xtutko00::model::rdf::GeoContent, 53
  - cz::vutbr::fit::xtutko00::model::rdf::Image, 67
  - cz::vutbr::fit::xtutko00::model::rdf::TextContent, 109
  - cz::vutbr::fit::xtutko00::model::rdf::Timeline, 112
  - cz::vutbr::fit::xtutko00::model::rdf::URLContent, 137
- getSecret
  - cz::vutbr::fit::xtutko00::source::SourceClientConfig, 88
- getSourceClientFactory
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf, 93
- getSourceId
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 25
  - cz::vutbr::fit::xtutko00::model::rdf::Timeline, 112
- getSourceTimeline
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 25
- getSourceUrl
  - cz::vutbr::fit::xtutko00::model::rdf::Image, 67
  - cz::vutbr::fit::xtutko00::model::rdf::URLContent, 137
- getSources
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf, 93
- getSparkProperties
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf, 93
- getTableName
  - cz::vutbr::fit::xtutko00::hbase::HBaseClientConfig, 59
- getText
  - cz::vutbr::fit::xtutko00::model::rdf::TextContent, 109
  - cz::vutbr::fit::xtutko00::model::rdf::URLContent, 138
- getTimeMillis
  - cz::vutbr::fit::xtutko00::utils::StopWatch, 95
- getTimeSec
  - cz::vutbr::fit::xtutko00::utils::StopWatch, 95
- getTimeline
  - cz::vutbr::fit::xtutko00::source::SourceClient, 86
  - cz::vutbr::fit::xtutko00::source::facebook::FacebookSourceClient, 30
  - cz::vutbr::fit::xtutko00::source::twitter::TwitterSourceClient, 124
- getTimestamp
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 26
- getType
  - cz::vutbr::fit::xtutko00::source::Source, 85
- getUntilDate
  - cz::vutbr::fit::xtutko00::source::facebook::FacebookSourceClientConfig, 31
- HALYARD
  - cz::vutbr::fit::xtutko00::hbase::HBaseClientFactory::EClient, 22
- HBaseClientFactory
  - cz::vutbr::fit::xtutko00::hbase::HBaseClientFactory, 61
- HGRAPHDB
  - cz::vutbr::fit::xtutko00::hbase::HBaseClientFactory::EClient, 22
- HGraphDbHBaseClient
  - cz::vutbr::fit::xtutko00::hbase::hgraphdb::HGraphDbHBaseClient, 63
- HalyardHBaseClient
  - cz::vutbr::fit::xtutko00::hbase::halyard::HalyardHBaseClient, 55
- IdMaker
  - cz::vutbr::fit::xtutko00::utils::IdMaker, 65
- Image
  - cz::vutbr::fit::xtutko00::model::rdf::Image, 67
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 98
- info
  - cz::vutbr::fit::xtutko00::utils::Logger, 70
- latitude
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 99

- loadDateArray
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 78
- loadDateValue
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 78
- loadDoubleArray
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 78
- loadDoubleValue
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 78
- loadFloatArray
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 78
- loadFloatValue
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 79
- loadFromModel
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 79
- loadIntArray
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 79
- loadIntValue
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 79
- loadStringArray
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 79
- loadStringValue
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 79
- loadURLArray
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 80
- loadURLValue
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 80
- Logger
  - cz::vutbr::fit::xtutko00::utils::Logger, 69
- longitude
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 99
- main
  - cz::vutbr::fit::xtutko00::MainHGraphDb, 71
  - cz::vutbr::fit::xtutko00::MainHalyard, 71
  - cz::vutbr::fit::xtutko00::MainSpark, 72
  - cz::vutbr::fit::xtutko00::TableBuilder, 104
- NAMESPACE
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 99
- PREFIX
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 100
- parse
  - cz::vutbr::fit::xtutko00::utils::XmlResourceParser, 140
- RDFEntity
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 74
- RdfPropertyEntity
  - cz::vutbr::fit::xtutko00::model::property::Rdf↔PropertyEntity, 82
- sameURL
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 100
- saveTimeline
  - cz::vutbr::fit::xtutko00::hbase::HBaseClient, 58
  - cz::vutbr::fit::xtutko00::hbase::halyard::HalyardH↔BaseClient, 55
  - cz::vutbr::fit::xtutko00::hbase::hgraphdb::H↔GraphDbHBaseClient, 63
- setHBaseClientFactory
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf, 94
- setHBaseSiteFilename
  - cz::vutbr::fit::xtutko00::hbase::HBaseClientConfig, 59
- setLatitude
  - cz::vutbr::fit::xtutko00::model::rdf::GeoContent, 53
- setLongitude
  - cz::vutbr::fit::xtutko00::model::rdf::GeoContent, 53
- setNumOfPartitions
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf, 94
- setSourceClientFactory
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf, 94
- setSourceId
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 26
  - cz::vutbr::fit::xtutko00::model::rdf::Timeline, 112
- setSourceTimeline
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 26
- setSourceUrl
  - cz::vutbr::fit::xtutko00::model::rdf::Image, 68
  - cz::vutbr::fit::xtutko00::model::rdf::URLContent, 138
- setSources
  - cz::vutbr::fit::xtutko00::spark::SparkRunnerConf, 94
- setTableName
  - cz::vutbr::fit::xtutko00::hbase::HBaseClientConfig, 59
- setText
  - cz::vutbr::fit::xtutko00::model::rdf::TextContent, 109
  - cz::vutbr::fit::xtutko00::model::rdf::URLContent, 138
- setTimestamp
  - cz::vutbr::fit::xtutko00::model::rdf::Entry, 26
- Source
  - cz::vutbr::fit::xtutko00::source::Source, 85
- SourceClientConfig
  - cz::vutbr::fit::xtutko00::source::SourceClientConfig, 87
- SourceClientFactory
  - cz::vutbr::fit::xtutko00::source::SourceClient↔Factory, 89
- sourceId
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 100
- sourceTimeline
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 100
- sourceUrl
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA,

- 101
- SparkRunner
  - cz::vutbr::fit::xtutko00::spark::SparkRunner, 91
- start
  - cz::vutbr::fit::xtutko00::utils::StopWatch, 95
- stop
  - cz::vutbr::fit::xtutko00::utils::StopWatch, 95
- TWITTER
  - cz::vutbr::fit::xtutko00::source::ESourceType, 28
- testEntryTimestamps
  - cz::vutbr::fit::xtutko00::hbase::halyard::HalyardH↔BaseClient, 56
  - cz::vutbr::fit::xtutko00::hbase::hgraphdb::H↔GraphDbHBaseClient, 63
- testEntryTimestampsWithSort
  - cz::vutbr::fit::xtutko00::hbase::halyard::HalyardH↔BaseClient, 56
  - cz::vutbr::fit::xtutko00::hbase::hgraphdb::H↔GraphDbHBaseClient, 64
- testLongestEntryText
  - cz::vutbr::fit::xtutko00::hbase::halyard::HalyardH↔BaseClient, 56
  - cz::vutbr::fit::xtutko00::hbase::hgraphdb::H↔GraphDbHBaseClient, 64
- testNumberOfEntries
  - cz::vutbr::fit::xtutko00::hbase::halyard::HalyardH↔BaseClient, 56
  - cz::vutbr::fit::xtutko00::hbase::hgraphdb::H↔GraphDbHBaseClient, 64
- testSharedUrls
  - cz::vutbr::fit::xtutko00::hbase::halyard::HalyardH↔BaseClient, 56
  - cz::vutbr::fit::xtutko00::hbase::hgraphdb::H↔GraphDbHBaseClient, 64
- text
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 101
- TextContent
  - cz::vutbr::fit::xtutko00::model::rdf::TextContent, 108
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 101
- Timeline
  - cz::vutbr::fit::xtutko00::model::rdf::Timeline, 111
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 102
- timestamp
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 102
- TwitterEntityFactory
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterEntityFactory, 114
- TwitterEntry
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterEntry, 118
- TwitterGeoContent
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterGeoContent, 121
- TwitterImage
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterImage, 123
- TwitterSourceClient
  - cz::vutbr::fit::xtutko00::source::twitter::Twitter↔SourceClient, 124
- TwitterSourceClientConfig
  - cz::vutbr::fit::xtutko00::source::twitter::Twitter↔SourceClientConfig, 127
- TwitterTextContent
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterTextContent, 130
- TwitterTimeline
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterTimeline, 131
- TwitterURLContent
  - cz::vutbr::fit::xtutko00::source::twitter::model::↔TwitterURLContent, 135
- URLContent
  - cz::vutbr::fit::xtutko00::model::rdf::URLContent, 137
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 102
- urlMention
  - cz::vutbr::fit::xtutko00::model::rdf::vocabulary::TA, 103
- vf
  - cz::vutbr::fit::xtutko00::model::core::RDFEntity, 80
- warning
  - cz::vutbr::fit::xtutko00::utils::Logger, 70
- XmlResourceParser
  - cz::vutbr::fit::xtutko00::utils::XmlResourceParser, 140