

harbour-berail

Generated by Doxygen 1.8.14

Contents

1	Namespace Index	1
1.1	Namespace List	1
2	Hierarchical Index	3
2.1	Class Hierarchy	3
3	Class Index	5
3.1	Class List	5
4	File Index	7
4.1	File List	7
5	Namespace Documentation	9
5.1	CSA Namespace Reference	9
5.1.1	Detailed Description	9
5.2	Database Namespace Reference	16
5.2.1	Detailed Description	17
5.3	Fragments Namespace Reference	17
5.3.1	Detailed Description	17
5.4	Network Namespace Reference	19
5.4.1	Detailed Description	19

6 Class Documentation	21
6.1 Fragments::Factory Class Reference	21
6.1.1 Constructor & Destructor Documentation	22
6.1.1.1 Factory()	22
6.1.2 Member Function Documentation	22
6.1.2.1 error	22
6.1.2.2 generateFragmentFromJSON()	22
6.1.2.3 getInstance()	23
6.1.2.4 getPage() [1/2]	23
6.1.2.5 getPage() [2/2]	23
6.1.2.6 getPageByURIFromNetworkManager()	23
6.1.2.7 getResource	23
6.1.2.8 http()	23
6.1.2.9 pageReady	23
6.1.2.10 processHTTPReply	24
6.1.2.11 setHttp()	24
6.1.2.12 validateData()	24
6.1.3 Member Data Documentation	24
6.1.3.1 m_http	24
6.1.3.2 m_instance	24
6.2 Fragments::Fragment Class Reference	24
6.2.1 Constructor & Destructor Documentation	26
6.2.1.1 Fragment() [1/2]	26
6.2.1.2 Fragment() [2/2]	26
6.2.2 Member Function Documentation	26
6.2.2.1 arrivalDelay()	26
6.2.2.2 arrivalDelayChanged	26
6.2.2.3 arrivalDelayedTime()	26
6.2.2.4 arrivalStationURI()	27
6.2.2.5 arrivalStationURIChanged	27

6.2.2.6	arrivalTime()	27
6.2.2.7	arrivalTimeChanged	27
6.2.2.8	departureDelay()	27
6.2.2.9	departureDelayChanged	27
6.2.2.10	departureDelayedTime()	27
6.2.2.11	departureStationURI()	27
6.2.2.12	departureStationURICHanged	28
6.2.2.13	departureTime()	28
6.2.2.14	departureTimeChanged	28
6.2.2.15	direction()	28
6.2.2.16	directionChanged	28
6.2.2.17	routeURI()	28
6.2.2.18	routeURICHanged	28
6.2.2.19	setArrivalDelay()	28
6.2.2.20	setArrivalStationURI()	29
6.2.2.21	setArrivalTime()	29
6.2.2.22	setDepartureDelay()	29
6.2.2.23	setDepartureStationURI()	29
6.2.2.24	setDepartureTime()	29
6.2.2.25	setDirection()	29
6.2.2.26	setRouteURI()	29
6.2.2.27	setTripURI()	30
6.2.2.28	setURI()	30
6.2.2.29	tripURI()	30
6.2.2.30	tripURICHanged	30
6.2.2.31	uri()	30
6.2.2.32	uriChanged	30
6.2.3	Member Data Documentation	30
6.2.3.1	m_arrivalDelay	30
6.2.3.2	m_arrivalStationURI	31

6.2.3.3	m_arrivalTime	31
6.2.3.4	m_departureDelay	31
6.2.3.5	m_departureStationURI	31
6.2.3.6	m_departureTime	31
6.2.3.7	m_direction	31
6.2.3.8	m_routeURI	31
6.2.3.9	m_tripURI	31
6.2.3.10	m_uri	32
6.3	Network::Manager Class Reference	32
6.3.1	Constructor & Destructor Documentation	33
6.3.1.1	Manager()	33
6.3.2	Member Function Documentation	33
6.3.2.1	acceptHeader()	33
6.3.2.2	acceptHeaderChanged	34
6.3.2.3	cache()	34
6.3.2.4	deleteResource	34
6.3.2.5	getInstance()	34
6.3.2.6	getResource	34
6.3.2.7	headResource	34
6.3.2.8	manager()	34
6.3.2.9	networkAccessibleChanged	35
6.3.2.10	postResource	35
6.3.2.11	prepareRequest()	35
6.3.2.12	QNAM()	35
6.3.2.13	requestCompleted	35
6.3.2.14	setAcceptHeader()	35
6.3.2.15	setCache()	35
6.3.2.16	setManager()	36
6.3.2.17	setQNAM()	36
6.3.2.18	setUserAgent()	36

6.3.2.19	sslErrorsReceived	36
6.3.2.20	userAgent()	36
6.3.2.21	userAgentChanged	36
6.3.3	Member Data Documentation	36
6.3.3.1	m_acceptHeader	37
6.3.3.2	m_cache	37
6.3.3.3	m_instance	37
6.3.3.4	m_QNAM	37
6.3.3.5	m_userAgent	37
6.4	Database::Manager Class Reference	37
6.4.1	Constructor & Destructor Documentation	38
6.4.1.1	Manager()	38
6.4.2	Member Function Documentation	38
6.4.2.1	database()	38
6.4.2.2	endTransaction()	39
6.4.2.3	execute()	39
6.4.2.4	getInstance()	39
6.4.2.5	setDatabase()	39
6.4.2.6	startTransaction()	39
6.4.3	Member Data Documentation	39
6.4.3.1	m_database	39
6.4.3.2	m_instance	40
6.5	CSA::Message Class Reference	40
6.5.1	Constructor & Destructor Documentation	41
6.5.1.1	Message() [1/2]	41
6.5.1.2	Message() [2/2]	41
6.5.2	Member Function Documentation	41
6.5.2.1	description()	41
6.5.2.2	descriptionChanged	41
6.5.2.3	header()	41

6.5.2.4	headerChanged	42
6.5.2.5	lead()	42
6.5.2.6	leadChanged	42
6.5.2.7	link()	42
6.5.2.8	linkChanged	42
6.5.2.9	setDescription()	42
6.5.2.10	setHeader()	42
6.5.2.11	setLead()	43
6.5.2.12	setLink()	43
6.5.3	Member Data Documentation	43
6.5.3.1	m_description	43
6.5.3.2	m_header	43
6.5.3.3	m_lead	43
6.5.3.4	m_link	43
6.6	CSA::NullStation Class Reference	44
6.6.1	Constructor & Destructor Documentation	44
6.6.1.1	NullStation()	45
6.6.2	Member Function Documentation	45
6.6.2.1	getInstance()	45
6.6.3	Member Data Documentation	45
6.6.3.1	m_instance	45
6.7	OS Class Reference	46
6.7.1	Constructor & Destructor Documentation	47
6.7.1.1	OS()	47
6.7.2	Member Function Documentation	47
6.7.2.1	appName()	47
6.7.2.2	appNameChanged	47
6.7.2.3	appNamePretty()	48
6.7.2.4	appNamePrettyChanged	48
6.7.2.5	appVersion()	48

6.7.2.6	appVersionChanged	48
6.7.2.7	cacheLocation()	48
6.7.2.8	closeNotificationAll()	48
6.7.2.9	closeNotificationByCategory()	48
6.7.2.10	closeNotificationByReplacesId()	49
6.7.2.11	configLocation()	49
6.7.2.12	createNotification()	49
6.7.2.13	createToaster()	49
6.7.2.14	dataLocation()	49
6.7.2.15	device()	49
6.7.2.16	devicepixelratio()	49
6.7.2.17	devicepixelratioChanged	50
6.7.2.18	documentLocation()	50
6.7.2.19	downloadLocation()	50
6.7.2.20	extractFileData()	50
6.7.2.21	logFile()	50
6.7.2.22	logLocation()	50
6.7.2.23	musicLocation()	50
6.7.2.24	photoLocation()	51
6.7.2.25	release()	51
6.7.2.26	releaseChanged	51
6.7.2.27	version()	51
6.7.2.28	versionChanged	51
6.7.2.29	videoLocation()	51
6.7.3	Member Data Documentation	51
6.7.3.1	m_device	51
6.7.3.2	m_release	52
6.7.3.3	m_version	52
6.7.4	Property Documentation	52
6.7.4.1	appName	52

6.7.4.2	appNamePretty	52
6.7.4.3	appVersion	52
6.7.4.4	devicepixelratio	52
6.7.4.5	release	52
6.7.4.6	version	53
6.8	Fragments::Page Class Reference	53
6.8.1	Constructor & Destructor Documentation	54
6.8.1.1	Page() [1/2]	54
6.8.1.2	Page() [2/2]	54
6.8.2	Member Function Documentation	54
6.8.2.1	fragments()	54
6.8.2.2	fragmentsChanged	54
6.8.2.3	hydraNext()	55
6.8.2.4	hydraNextChanged	55
6.8.2.5	hydraPrevious()	55
6.8.2.6	hydraPreviousChanged	55
6.8.2.7	setFragments()	55
6.8.2.8	setHydraNext()	55
6.8.2.9	setHydraPrevious()	55
6.8.2.10	setTimestamp()	56
6.8.2.11	setURI()	56
6.8.2.12	timestamp()	56
6.8.2.13	timestampChanged	56
6.8.2.14	uri()	56
6.8.2.15	uriChanged	56
6.8.3	Member Data Documentation	56
6.8.3.1	m_fragments	56
6.8.3.2	m_hydraNext	57
6.8.3.3	m_hydraPrevious	57
6.8.3.4	m_timestamp	57

6.8.3.5	m_uri	57
6.9	CSA::Planner Class Reference	57
6.9.1	Constructor & Destructor Documentation	59
6.9.1.1	Planner()	59
6.9.2	Member Function Documentation	59
6.9.2.1	arrivalStationURI()	59
6.9.2.2	arrivalTime()	59
6.9.2.3	calculateArrivalTime()	59
6.9.2.4	departureStationURI()	59
6.9.2.5	departureTime()	60
6.9.2.6	error	60
6.9.2.7	Factory()	60
6.9.2.8	getConnections()	60
6.9.2.9	getFirstReachableConnection()	60
6.9.2.10	getInstance()	60
6.9.2.11	maxTransfers()	60
6.9.2.12	pageProgress	61
6.9.2.13	pageReceived [1/2]	61
6.9.2.14	pageReceived [2/2]	61
6.9.2.15	pageRequested	61
6.9.2.16	planPage()	61
6.9.2.17	routes()	61
6.9.2.18	routesFound	61
6.9.2.19	SArray()	62
6.9.2.20	setArrivalStationURI()	62
6.9.2.21	setArrivalTime()	62
6.9.2.22	setDepartureStationURI()	62
6.9.2.23	setDepartureTime()	62
6.9.2.24	setFactory()	62
6.9.2.25	setMaxTransfers()	62

6.9.2.26	setRoutes()	63
6.9.2.27	setSArray()	63
6.9.2.28	setStationFactory()	63
6.9.2.29	setTArray()	63
6.9.2.30	stationFactory()	63
6.9.2.31	TArray()	63
6.9.3	Member Data Documentation	63
6.9.3.1	m_arrivalStationURI	63
6.9.3.2	m_arrivalTime	64
6.9.3.3	m_departureStationURI	64
6.9.3.4	m_departureTime	64
6.9.3.5	m_instance	64
6.9.3.6	m_linkedConnectionFactory	64
6.9.3.7	m_maxTransfers	64
6.9.3.8	m_routes	64
6.9.3.9	m_SArray	64
6.9.3.10	m_stationFactory	65
6.9.3.11	m_TArray	65
6.9.3.12	syncThreadMutex	65
6.10	CSA::Route Class Reference	65
6.10.1	Constructor & Destructor Documentation	66
6.10.1.1	Route() [1/2]	67
6.10.1.2	Route() [2/2]	67
6.10.2	Member Function Documentation	67
6.10.2.1	arrivalDelay()	67
6.10.2.2	arrivalDelayedTime()	67
6.10.2.3	arrivalPlatform()	67
6.10.2.4	arrivalStation()	67
6.10.2.5	arrivalTime()	68
6.10.2.6	departureDelay()	68

6.10.2.7	departureDelayedTime()	68
6.10.2.8	departurePlatform()	68
6.10.2.9	departureStation()	68
6.10.2.10	departureTime()	68
6.10.2.11	duration()	68
6.10.2.12	durationWithDelays()	68
6.10.2.13	isArrivalPlatformNormal()	69
6.10.2.14	isDeparturePlatformNormal()	69
6.10.2.15	isPartiallyCanceled()	69
6.10.2.16	legs()	69
6.10.2.17	legsChanged	69
6.10.2.18	remarks()	69
6.10.2.19	remarksChanged	69
6.10.2.20	setLegs()	69
6.10.2.21	setRemarks()	70
6.10.2.22	setTransfers()	70
6.10.2.23	setTripAlerts()	70
6.10.2.24	setVehicleAlerts()	70
6.10.2.25	stationCount()	70
6.10.2.26	transferCount()	70
6.10.2.27	transfers()	70
6.10.2.28	transfersChanged	71
6.10.2.29	tripAlerts()	71
6.10.2.30	tripAlertsChanged	71
6.10.2.31	vehicleAlerts()	71
6.10.2.32	vehicleAlertsChanged	71
6.10.3	Member Data Documentation	71
6.10.3.1	m_legs	71
6.10.3.2	m_remarks	71
6.10.3.3	m_transfers	72

6.10.3.4	m_tripAlerts	72
6.10.3.5	m_vehicleAlerts	72
6.11	CSA::RouteLeg Class Reference	72
6.11.1	Member Enumeration Documentation	73
6.11.1.1	Type	73
6.11.2	Constructor & Destructor Documentation	73
6.11.2.1	RouteLeg()	74
6.11.3	Member Function Documentation	74
6.11.3.1	arrival()	74
6.11.3.2	arrivalChanged	74
6.11.3.3	departure()	74
6.11.3.4	departureChanged	74
6.11.3.5	intermediaryStops()	74
6.11.3.6	intermediaryStopsChanged	75
6.11.3.7	setArrival()	75
6.11.3.8	setDeparture()	75
6.11.3.9	setIntermediaryStops()	75
6.11.3.10	setType()	75
6.11.3.11	setVehicleInformation()	75
6.11.3.12	station()	75
6.11.3.13	stationChanged	76
6.11.3.14	stopsChanged	76
6.11.3.15	type()	76
6.11.3.16	typeChanged	76
6.11.3.17	vehicleInformation()	76
6.11.3.18	vehicleInformationChanged	76
6.11.4	Member Data Documentation	76
6.11.4.1	m_arrival	76
6.11.4.2	m_departure	77
6.11.4.3	m_intermediaryStops	77

6.11.4.4	m_type	77
6.11.4.5	m_vehicleInformation	77
6.12	CSA::RouteLegEnd Class Reference	77
6.12.1	Constructor & Destructor Documentation	78
6.12.1.1	RouteLegEnd()	78
6.12.2	Member Function Documentation	79
6.12.2.1	delay()	79
6.12.2.2	delayChanged	79
6.12.2.3	isCanceled()	79
6.12.2.4	isCanceledChanged	79
6.12.2.5	isNormalPlatform()	79
6.12.2.6	isNormalPlatformChanged	79
6.12.2.7	isPassed()	79
6.12.2.8	isPassedChanged	80
6.12.2.9	occupancyLevel()	80
6.12.2.10	occupancyLevelChanged	80
6.12.2.11	platform()	80
6.12.2.12	platformChanged	80
6.12.2.13	setDelay()	80
6.12.2.14	setIsCanceled()	80
6.12.2.15	setIsNormalPlatform()	81
6.12.2.16	setIsPassed()	81
6.12.2.17	setOccupancyLevel()	81
6.12.2.18	setPlatform()	81
6.12.2.19	setStation()	81
6.12.2.20	setTime()	81
6.12.2.21	setUri()	81
6.12.2.22	station()	82
6.12.2.23	stationChanged	82
6.12.2.24	time()	82

6.12.2.25	timeChanged	82
6.12.2.26	uri()	82
6.12.2.27	uriChanged	82
6.12.3	Member Data Documentation	82
6.12.3.1	m_delay	82
6.12.3.2	m_isCanceled	83
6.12.3.3	m_isNormalPlatform	83
6.12.3.4	m_isPassed	83
6.12.3.5	m_occupancyLevel	83
6.12.3.6	m_platform	83
6.12.3.7	m_station	83
6.12.3.8	m_time	83
6.12.3.9	m_uri	84
6.13	CSA::Station Class Reference	84
6.13.1	Member Enumeration Documentation	86
6.13.1.1	Day	86
6.13.2	Constructor & Destructor Documentation	87
6.13.2.1	Station() [1/3]	87
6.13.2.2	Station() [2/3]	87
6.13.2.3	Station() [3/3]	87
6.13.3	Member Function Documentation	88
6.13.3.1	address()	88
6.13.3.2	addressChanged	88
6.13.3.3	averageStopTimes()	88
6.13.3.4	averageStopTimesChanged	88
6.13.3.5	country()	88
6.13.3.6	countryChanged	88
6.13.3.7	disabledParkingSpots()	88
6.13.3.8	disabledParkingSpotsChanged	89
6.13.3.9	hasBicycleSpots()	89

6.13.3.10 hasBicycleSpotsChanged	89
6.13.3.11 hasBlueBike()	89
6.13.3.12 hasBlueBikeChanged	89
6.13.3.13 hasBus()	89
6.13.3.14 hasBusChanged	89
6.13.3.15 hasElevatedPlatform()	89
6.13.3.16 hasElevatedPlatformChanged	90
6.13.3.17 hasElevatorPlatform()	90
6.13.3.18 hasEscalatorDown()	90
6.13.3.19 hasEscalatorDownChanged	90
6.13.3.20 hasEscalatorUp()	90
6.13.3.21 hasEscalatorUpChanged	90
6.13.3.22 hasFreeParking()	90
6.13.3.23 hasFreeParkingChanged	90
6.13.3.24 hasHearingAidSignal()	91
6.13.3.25 hasHearingAidSignalChanged	91
6.13.3.26 hasLuggageLockers()	91
6.13.3.27 hasLuggageLockersChanged	91
6.13.3.28 hasMetro()	91
6.13.3.29 hasMetroChanged	91
6.13.3.30 hasRamp()	91
6.13.3.31 hasRampChanged	91
6.13.3.32 hasTaxi()	92
6.13.3.33 hasTaxiChanged	92
6.13.3.34 hasTicketVendingMachine()	92
6.13.3.35 hasTicketVendingMachineChanged	92
6.13.3.36 hasTram()	92
6.13.3.37 hasTramChanged	92
6.13.3.38 hasWheelchairAvailable()	92
6.13.3.39 hasWheelchairAvailableChanged	92

6.13.3.40 name()	93
6.13.3.41 nameChanged	93
6.13.3.42 openingHours()	93
6.13.3.43 openingHoursChanged	93
6.13.3.44 position()	93
6.13.3.45 positionChanged	93
6.13.3.46 setAddress()	93
6.13.3.47 setAverageStopTimes()	94
6.13.3.48 setCountry()	94
6.13.3.49 setDisabledParkingSpots()	94
6.13.3.50 setHasBicycleSpots()	94
6.13.3.51 setHasBlueBike()	94
6.13.3.52 setHasBus()	94
6.13.3.53 setHasElevatedPlatform()	94
6.13.3.54 setHasElevatorPlatform()	95
6.13.3.55 setHasEscalatorDown()	95
6.13.3.56 setHasEscalatorUp()	95
6.13.3.57 setHasFreeParking()	95
6.13.3.58 setHasHearingAidSignal()	95
6.13.3.59 setHasLuggageLockers()	95
6.13.3.60 setHasMetro()	95
6.13.3.61 setHasRamp()	96
6.13.3.62 setHasTaxi()	96
6.13.3.63 setHasTicketVendingMachine()	96
6.13.3.64 setHasTram()	96
6.13.3.65 setHasWheelchairAvailable()	96
6.13.3.66 setName()	96
6.13.3.67 setOpeningHours()	96
6.13.3.68 setPosition()	97
6.13.3.69 setUri()	97

6.13.3.70 uri()	97
6.13.3.71 uriChanged	97
6.13.4 Member Data Documentation	97
6.13.4.1 m_address	97
6.13.4.2 m_averageStopTimes	97
6.13.4.3 m_country	97
6.13.4.4 m_disabledParkingSpots	98
6.13.4.5 m_hasBicycleSpots	98
6.13.4.6 m_hasBlueBike	98
6.13.4.7 m_hasBus	98
6.13.4.8 m_hasElevatedPlatform	98
6.13.4.9 m_hasElevatorPlatform	98
6.13.4.10 m_hasEscalatorDown	98
6.13.4.11 m_hasEscalatorUp	98
6.13.4.12 m_hasFreeParking	99
6.13.4.13 m_hasHearingAidSignal	99
6.13.4.14 m_hasLuggageLockers	99
6.13.4.15 m_hasMetro	99
6.13.4.16 m_hasRamp	99
6.13.4.17 m_hasTaxi	99
6.13.4.18 m_hasTicketVendingMachine	99
6.13.4.19 m_hasTram	99
6.13.4.20 m_hasWheelchairAvailable	100
6.13.4.21 m_name	100
6.13.4.22 m_openingHours	100
6.13.4.23 m_position	100
6.13.4.24 m_uri	100
6.14 CSA::StationFactory Class Reference	100
6.14.1 Constructor & Destructor Documentation	101
6.14.1.1 StationFactory()	101

6.14.2	Member Function Documentation	101
6.14.2.1	db()	101
6.14.2.2	getInstance()	102
6.14.2.3	getStationByURI()	102
6.14.2.4	initDatabase()	102
6.14.2.5	insertStationWithFacilitiesIntoDatabase()	102
6.14.2.6	insertStationWithoutFacilitiesIntoDatabase()	102
6.14.2.7	insertStopIntoDatabase()	102
6.14.2.8	setDb()	102
6.14.3	Member Data Documentation	103
6.14.3.1	m_db	103
6.14.3.2	m_instance	103
6.15	CSA::StationStopProfile Class Reference	103
6.15.1	Constructor & Destructor Documentation	104
6.15.1.1	StationStopProfile()	104
6.15.2	Member Function Documentation	104
6.15.2.1	arrivalConnection()	104
6.15.2.2	arrivalConnectionChanged	104
6.15.2.3	arrivalTime()	104
6.15.2.4	arrivalTimeChanged	105
6.15.2.5	departureConnection()	105
6.15.2.6	departureConnectionChanged	105
6.15.2.7	departureTime()	105
6.15.2.8	departureTimeChanged	105
6.15.2.9	setArrivalConnection()	105
6.15.2.10	setArrivalTime()	105
6.15.2.11	setDepartureConnection()	106
6.15.2.12	setDepartureTime()	106
6.15.2.13	setTransfers()	106
6.15.2.14	transfers()	106

6.15.2.15 transfersChanged	106
6.15.3 Member Data Documentation	106
6.15.3.1 m_arrivalConnection	106
6.15.3.2 m_arrivalTime	106
6.15.3.3 m_departureConnection	107
6.15.3.4 m_departureTime	107
6.15.3.5 m_transfers	107
6.16 CSA::TrainProfile Class Reference	107
6.16.1 Constructor & Destructor Documentation	108
6.16.1.1 TrainProfile()	108
6.16.2 Member Function Documentation	108
6.16.2.1 arrivalConnection()	108
6.16.2.2 arrivalConnectionChanged	108
6.16.2.3 arrivalTime()	108
6.16.2.4 arrivalTimeChanged	108
6.16.2.5 setArrivalConnection()	109
6.16.2.6 setArrivalTime()	109
6.16.2.7 setTransfers()	109
6.16.2.8 transfers()	109
6.16.2.9 transfersChanged	109
6.16.3 Member Data Documentation	109
6.16.3.1 m_arrivalConnection	109
6.16.3.2 m_arrivalTime	109
6.16.3.3 m_transfers	110
6.17 CSA::Transfer Class Reference	110
6.17.1 Member Enumeration Documentation	111
6.17.1.1 Type	111
6.17.2 Constructor & Destructor Documentation	111
6.17.2.1 Transfer()	111
6.17.3 Member Function Documentation	111

6.17.3.1	arrival()	111
6.17.3.2	arrivalChanged	112
6.17.3.3	arrivalLeg()	112
6.17.3.4	arrivalLegChanged	112
6.17.3.5	delay()	112
6.17.3.6	delayedTime()	112
6.17.3.7	departure()	112
6.17.3.8	departureChanged	112
6.17.3.9	departureLeg()	112
6.17.3.10	departureLegChanged	113
6.17.3.11	isCanceled()	113
6.17.3.12	isNormalPlatform()	113
6.17.3.13	isPassed()	113
6.17.3.14	occupancyLevel()	113
6.17.3.15	platform()	113
6.17.3.16	setArrival()	113
6.17.3.17	setArrivalLeg()	114
6.17.3.18	setDeparture()	114
6.17.3.19	setDepartureLeg()	114
6.17.3.20	setType()	114
6.17.3.21	station()	114
6.17.3.22	time()	114
6.17.3.23	type()	114
6.17.3.24	typeChanged	115
6.17.3.25	uri()	115
6.17.4	Member Data Documentation	115
6.17.4.1	m_arrival	115
6.17.4.2	m_arrivalLeg	115
6.17.4.3	m_departure	115
6.17.4.4	m_departureLeg	115

6.17.4.5	m_type	115
6.18	CSA::Vehicle Class Reference	116
6.18.1	Member Enumeration Documentation	116
6.18.1.1	OccupancyLevel	116
6.18.2	Constructor & Destructor Documentation	117
6.18.2.1	Vehicle()	117
6.18.3	Member Function Documentation	117
6.18.3.1	headsign()	117
6.18.3.2	headsignChanged	117
6.18.3.3	id()	117
6.18.3.4	idChanged	118
6.18.3.5	setHeadsign()	118
6.18.3.6	setId()	118
6.18.3.7	setUri()	118
6.18.3.8	uri()	118
6.18.3.9	uriChanged	118
6.18.4	Member Data Documentation	118
6.18.4.1	m_headsign	118
6.18.4.2	m_id	119
6.18.4.3	m_uri	119
6.19	CSA::VehicleStop Class Reference	119
6.19.1	Member Enumeration Documentation	120
6.19.1.1	Type	120
6.19.2	Constructor & Destructor Documentation	121
6.19.2.1	VehicleStop()	121
6.19.3	Member Function Documentation	121
6.19.3.1	arrivalCanceled()	121
6.19.3.2	arrivalCanceledChanged	121
6.19.3.3	arrivalDelay()	121
6.19.3.4	arrivalDelayChanged	121

6.19.3.5	arrivalTime()	122
6.19.3.6	arrivalTimeChanged	122
6.19.3.7	departureCanceled()	122
6.19.3.8	departureCanceledChanged	122
6.19.3.9	departureDelay()	122
6.19.3.10	departureDelayChanged	122
6.19.3.11	departureTime()	122
6.19.3.12	departureTimeChanged	122
6.19.3.13	departureURI()	123
6.19.3.14	departureURIChanged	123
6.19.3.15	hasLeft()	123
6.19.3.16	hasLeftChanged	123
6.19.3.17	isPlatformNormal()	123
6.19.3.18	isPlatformNormalChanged	123
6.19.3.19	occupancyLevel()	123
6.19.3.20	occupancyLevelChanged	123
6.19.3.21	platform()	124
6.19.3.22	platformChanged	124
6.19.3.23	setArrivalCanceled()	124
6.19.3.24	setArrivalDelay()	124
6.19.3.25	setArrivalTime()	124
6.19.3.26	setDepartureCanceled()	124
6.19.3.27	setDepartureDelay()	124
6.19.3.28	setDepartureTime()	125
6.19.3.29	setDepartureURI()	125
6.19.3.30	setHasLeft()	125
6.19.3.31	setIsPlatformNormal()	125
6.19.3.32	setOccupancyLevel()	125
6.19.3.33	setPlatform()	125
6.19.3.34	setStation()	125

6.19.3.35 setType()	126
6.19.3.36 setVehicleInformation()	126
6.19.3.37 station()	126
6.19.3.38 stationChanged	126
6.19.3.39 type()	126
6.19.3.40 typeChanged	126
6.19.3.41 vehicleInformation()	126
6.19.3.42 vehicleInformationChanged	127
6.19.4 Member Data Documentation	127
6.19.4.1 m_arrivalCanceled	127
6.19.4.2 m_arrivalDelay	127
6.19.4.3 m_arrivalTime	127
6.19.4.4 m_departureCanceled	127
6.19.4.5 m_departureDelay	127
6.19.4.6 m_departureTime	127
6.19.4.7 m_departureURI	128
6.19.4.8 m_hasLeft	128
6.19.4.9 m_isPlatformNormal	128
6.19.4.10 m_occupancyLevel	128
6.19.4.11 m_platform	128
6.19.4.12 m_station	128
6.19.4.13 m_type	128
6.19.4.14 m_vehicleInformation	128

7 File Documentation	129
7.1 src/database/databasemanager.cpp File Reference	129
7.1.1 Detailed Description	129
7.2 src/database/databasemanager.h File Reference	131
7.2.1 Macro Definition Documentation	131
7.2.1.1 DRIVER	132
7.3 src/harbour-berail.cpp File Reference	132
7.3.1 Function Documentation	132
7.3.1.1 main()	132
7.4 src/linkedconnections/csa/csamessage.cpp File Reference	132
7.4.1 Detailed Description	133
7.5 src/linkedconnections/csa/csamessage.h File Reference	136
7.6 src/linkedconnections/csa/csanullstation.cpp File Reference	136
7.6.1 Detailed Description	136
7.7 src/linkedconnections/csa/csanullstation.h File Reference	138
7.8 src/linkedconnections/csa/csaplanner.cpp File Reference	138
7.9 src/linkedconnections/csa/csaplanner.h File Reference	138
7.9.1 Macro Definition Documentation	139
7.9.1.1 INTRA_STOP_FOOTPATH_TIME	139
7.9.1.2 MAX_TRANSFER_TIME	139
7.9.1.3 MILLISECONDS_TO_SECONDS_MULTIPLIER	139
7.9.1.4 MINIMUM_PROGRESS_INCREMENT	139
7.9.1.5 SECONDS_TO_HOURS_MULTIPLIER	140
7.9.1.6 TRANSFER_EQUIVALENT_TRAVEL_TIME	140
7.9.1.7 VERBOSE_PARAMETERS	140
7.10 src/linkedconnections/csa/csaroute.cpp File Reference	140
7.11 src/linkedconnections/csa/csaroute.h File Reference	140
7.12 src/linkedconnections/csa/csarouteleg.cpp File Reference	140
7.13 src/linkedconnections/csa/csarouteleg.h File Reference	141
7.14 src/linkedconnections/csa/csaroutelegend.cpp File Reference	141

7.15	src/linkedconnections/csa/csaroutelegend.h File Reference	141
7.16	src/linkedconnections/csa/csastation.cpp File Reference	142
7.16.1	Detailed Description	142
7.17	src/linkedconnections/csa/csastation.h File Reference	145
7.18	src/linkedconnections/csa/csastationfactory.cpp File Reference	145
7.19	src/linkedconnections/csa/csastationfactory.h File Reference	146
7.19.1	Macro Definition Documentation	146
7.19.1.1	DB_PATH	146
7.20	src/linkedconnections/csa/csastationstopprofile.cpp File Reference	146
7.20.1	Detailed Description	147
7.21	src/linkedconnections/csa/csastationstopprofile.h File Reference	150
7.22	src/linkedconnections/csa/csatrainprofile.cpp File Reference	150
7.22.1	Detailed Description	151
7.23	src/linkedconnections/csa/csatrainprofile.h File Reference	153
7.24	src/linkedconnections/csa/csatransfer.cpp File Reference	153
7.25	src/linkedconnections/csa/csatransfer.h File Reference	153
7.26	src/linkedconnections/csa/csavehicle.cpp File Reference	153
7.27	src/linkedconnections/csa/csavehicle.h File Reference	154
7.28	src/linkedconnections/csa/csavehiclestop.cpp File Reference	154
7.29	src/linkedconnections/csa/csavehiclestop.h File Reference	154
7.30	src/linkedconnections/fragments/fragmentsfactory.cpp File Reference	154
7.30.1	Detailed Description	155
7.31	src/linkedconnections/fragments/fragmentsfactory.h File Reference	158
7.31.1	Macro Definition Documentation	158
7.31.1.1	BASE_URL	158
7.32	src/linkedconnections/fragments/fragmentsfragment.cpp File Reference	158
7.32.1	Detailed Description	159
7.33	src/linkedconnections/fragments/fragmentsfragment.h File Reference	166
7.34	src/linkedconnections/fragments/fragmentspage.cpp File Reference	166
7.34.1	Detailed Description	166

7.35	src/linkedconnections/fragments/fragmentspage.h File Reference	169
7.36	src/logger.cpp File Reference	169
7.36.1	Function Documentation	170
7.36.1.1	enableLogger()	170
7.36.1.2	handler()	170
7.37	src/logger.h File Reference	170
7.37.1	Macro Definition Documentation	171
7.37.1.1	LINE_LENGTH	171
7.37.2	Function Documentation	171
7.37.2.1	enableLogger()	171
7.37.2.2	handler()	171
7.37.3	Variable Documentation	171
7.37.3.1	clearLog	171
7.37.3.2	compileDate	171
7.37.3.3	compileTime	172
7.37.3.4	logpath	172
7.37.3.5	name	172
7.37.3.6	version	172
7.38	src/network/networkmanager.cpp File Reference	172
7.38.1	Detailed Description	173
7.39	src/network/networkmanager.h File Reference	176
7.40	src/os.cpp File Reference	177
7.41	src/os.h File Reference	177
7.41.1	Macro Definition Documentation	178
7.41.1.1	MAX_BODY_LENGTH	178
7.41.1.2	MAX_PREVIEW_LENGTH	178
	Index	179

Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

CSA	9
Database	16
Fragments	17
Network	19

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

QObject	
CSA::Message	40
CSA::Planner	57
CSA::Route	65
CSA::RouteLeg	72
CSA::RouteLegEnd	77
CSA::Station	84
CSA::NullStation	44
CSA::StationFactory	100
CSA::StationStopProfile	103
CSA::TrainProfile	107
CSA::Transfer	110
CSA::Vehicle	116
CSA::VehicleStop	119
Database::Manager	37
Fragments::Factory	21
Fragments::Fragment	24
Fragments::Page	53
Network::Manager	32
OS	46

Chapter 3

Class Index

3.1 Class List

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

Fragments::Factory	21
Fragments::Fragment	24
Network::Manager	32
Database::Manager	37
CSA::Message	40
CSA::NullStation	44
OS	46
Fragments::Page	53
CSA::Planner	57
CSA::Route	65
CSA::RouteLeg	72
CSA::RouteLegEnd	77
CSA::Station	84
CSA::StationFactory	100
CSA::StationStopProfile	103
CSA::TrainProfile	107
CSA::Transfer	110
CSA::Vehicle	116
CSA::VehicleStop	119

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

src/harbour-berail.cpp	132
src/logger.cpp	169
src/logger.h	170
src/os.cpp	177
src/os.h	177
src/database/databasemanager.cpp	
Manager facade constructor	129
src/database/databasemanager.h	131
src/linkedconnections/csa/csamessage.cpp	
Message constructor: full	132
src/linkedconnections/csa/csamessage.h	136
src/linkedconnections/csa/csanullstation.cpp	
CSA::NullStation constructor	136
src/linkedconnections/csa/csanullstation.h	138
src/linkedconnections/csa/csaplanner.cpp	138
src/linkedconnections/csa/csaplanner.h	138
src/linkedconnections/csa/csaroute.cpp	140
src/linkedconnections/csa/csaroute.h	140
src/linkedconnections/csa/csarouteleg.cpp	140
src/linkedconnections/csa/csarouteleg.h	141
src/linkedconnections/csa/csaroutelegend.cpp	141
src/linkedconnections/csa/csaroutelegend.h	141
src/linkedconnections/csa/csastation.cpp	
CSA::Station constructor: empty	142
src/linkedconnections/csa/csastation.h	145
src/linkedconnections/csa/csastationfactory.cpp	145
src/linkedconnections/csa/csastationfactory.h	146
src/linkedconnections/csa/csastationstopprofile.cpp	
Gets the departure time	146
src/linkedconnections/csa/csastationstopprofile.h	150
src/linkedconnections/csa/csatrainprofile.cpp	
Gets the arrival time	150
src/linkedconnections/csa/csatrainprofile.h	153
src/linkedconnections/csa/csatransfer.cpp	153
src/linkedconnections/csa/csatransfer.h	153

src/linkedconnections/csa/csavehicle.cpp	153
src/linkedconnections/csa/csavehicle.h	154
src/linkedconnections/csa/csavehiclestop.cpp	154
src/linkedconnections/csa/csavehiclestop.h	154
src/linkedconnections/fragments/fragmentsfactory.cpp	
Fragments::Factory constructor: empty	154
src/linkedconnections/fragments/fragmentsfactory.h	158
src/linkedconnections/fragments/fragmentsfragment.cpp	
Fragment constructor: empty	158
src/linkedconnections/fragments/fragmentsfragment.h	166
src/linkedconnections/fragments/fragmentspage.cpp	
Page constructor: empty	166
src/linkedconnections/fragments/fragmentspage.h	169
src/network/networkmanager.cpp	
Network::Manager facade constructor	172
src/network/networkmanager.h	176

Chapter 5

Namespace Documentation

5.1 CSA Namespace Reference

Classes

- class [Message](#)
- class [NullStation](#)
- class [Planner](#)
- class [Route](#)
- class [RouteLeg](#)
- class [RouteLegEnd](#)
- class [Station](#)
- class [StationFactory](#)
- class [StationStopProfile](#)
- class [TrainProfile](#)
- class [Transfer](#)
- class [Vehicle](#)
- class [VehicleStop](#)

5.1.1 Detailed Description

Constructs a [Message](#) to store the information about a disturbance, remark or anything else that might be usefull for the user.

Gets the header of the message and returns it.

Sets the header of the message to the given QString &header

Gets the description of the message and returns it.

Sets the description of the message to the given QString &description

Gets the lead of the message and returns it.

Sets the lead of the message to the given QString &lead

Gets the link of the message and returns it.

Sets the link of the message to the given QUrl &link

Constructs a [CSA::NullStation](#) according to the Null design pattern.

Constructs a [CSA::NullStation](#) if none exists and returns the instance.

Constructs a [CSA::Station](#) with the given parent.

Returns

QUrl URI

Gets the URI of the station and returns it.

Parameters

<i>const</i>	QUrl &uri
--------------	-----------

Sets the URI of the station to the given QUrl &uri.

Returns

const QMap<QLocale::Language, QString> name

Gets the name of the station and returns it.

Parameters

<i>const</i>	QMap<QLocale::Language, QString> &name
--------------	--

Sets the name of the station to the given QMap<QLocale::Language, QString> &name.

Returns

const QLocale::Country country

Gets the country of the station and returns it.

Parameters

<i>const</i>	QLocale::Country &country
--------------	---------------------------

Sets the country of the station to the given QLocale::Country &country.

Returns

const QGeoCoordinate position

Gets the position of the station and returns it.

Parameters

<i>const</i>	QGeoCoordinate &position
--------------	--------------------------

Sets the position of the station to the given QGeoCoordinate &position.

Returns

const QGeoAddress address

Gets the address of the station and returns it.

Parameters

<i>const</i>	QGeoAddress &address
--------------	----------------------

Sets the address of the station to the given QGeoAddress &address.

Returns

const bool hasTicketVendingMachine

Gets the hasTicketVendingMachine and returns it.

Parameters

<i>const</i>	bool &hasTicketVendingMachine
--------------	-------------------------------

Sets the hasTicketVendingMachine to the given bool &hasTicketVendingMachine.

Returns

const bool hasLuggageLockers

Gets the hasLuggageLockers and returns it.

Parameters

<i>const</i>	bool &hasLuggageLockers
--------------	-------------------------

Sets the hasLuggageLockers to the given bool &hasLuggageLockers.

Returns

const bool hasFreeParking

Gets the hasFreeParking and returns it.

Parameters

<i>const</i>	bool &hasFreeParking
--------------	----------------------

Sets the hasFreeParking to the given bool &hasFreeParking.

Returns

const bool hasTaxi

Gets the hasTaxi and returns it.

Parameters

<i>const</i>	bool &hasTaxi
--------------	---------------

Sets the hasTaxi to the given bool &hasTaxi.

Returns

const bool hasBicycleSpots

Gets the hasBicycleSpots and returns it.

Parameters

<i>const</i>	bool &hasBicycleSpots
--------------	-----------------------

Sets the hasBicycleSpots to the given bool &hasBicycleSpots.

Returns

const bool hasBlueBike

Gets the hasBlueBike and returns it.

Parameters

<i>const</i>	bool &hasBlueBike
--------------	-------------------

Sets the hasBlueBike to the given bool &hasBlueBike.

Returns

const bool hasBus

Gets the hasBus and returns it.

Parameters

<i>const</i>	bool &hasBus
--------------	--------------

Sets the hasBus to the given QUrl &url.

Returns

const bool hasTram

Gets the hasTram and returns it.

Parameters

<i>const</i>	bool &hasTram
--------------	---------------

Sets the hasTram to the given QUrl &url.

Returns

const bool hasMetro

Gets the hasMetro and returns it.

Parameters

<i>const</i>	bool &hasMetro
--------------	----------------

Sets the hasMetro to the given bool &hasMetro.

Returns

const bool hasWheelchairAvailable

Gets the hasWheelchairAvailable and returns it.

Parameters

<i>const</i>	bool &hasWheelchairAvailable
--------------	------------------------------

Sets the hasWheelchairAvailable to the given bool &hasWheelchairAvailable.

Returns

const bool hasRamp

Gets the hasRamp and returns it.

Parameters

<i>const</i>	bool &hasRamp
--------------	---------------

Sets the hasRamp to the given bool &hasRamp.

Returns

const qint16 disabledParkingSpots

Gets the disabledParkingSpots and returns it.

Parameters

<i>const</i>	qint16 &disabledParkingSpots
--------------	------------------------------

Sets the disabledParkingSpots to the given qint16 &disabledParkingSpots.

Returns

bool hasElevatedPlatform

Gets the hasElevatedPlatform and returns it.

Parameters

<i>const</i>	bool &hasElevatedPlatform
--------------	---------------------------

Sets the hasElevatedPlatform to the given bool &hasElevatedPlatform.

Returns

bool hasEscalatorUp

Gets the hasEscalatorUp and returns it.

Parameters

<i>const</i>	bool &hasEscalatorUp
--------------	----------------------

Sets the hasEscalatorUp to the given bool &hasEscalatorUp. Emit the hasEscalatorUpChanged signal.

Returns

bool hasEscalatorDown

Gets the hasEscalatorDown and returns it.

Parameters

<i>const</i>	bool &hasEscalatorDown
--------------	------------------------

Sets the hasEscalatorDown to the given bool &hasEscalatorDown. Emit the hasEscalatorDownChanged signal.

Returns

bool hasElevatorPlatform

Gets the hasElevatorPlatform and returns it.

Parameters

<i>const</i>	bool &hasElevatorPlatform
--------------	---------------------------

Sets the hasElevatorPlatform to the given bool &hasElevatorPlatform.

Returns

bool hasHearingAidSignal

Gets the hasHearingAidSignal and returns it.

Parameters

<i>const</i>	bool &hasHearingAidSignal
--------------	---------------------------

Sets the hasHearingAidSignal to the given bool &hasHearingAidSignal. Emit the hasHearingAidSignalChanged signal.

Returns

QMap<Station::Day, QPair<QTime, QTime> > openingHours

Gets the openingHours and returns it.

Parameters

<i>const</i>	QMap<Station::Day, QPair<QTime, QTime> > &openingHours
--------------	--

Sets the openinghours to the given QMap<Station::Day, QPair<QTime, QTime> > &openingHours. Emits the openingHoursChanged signal.

Returns

qreal averageStopTimes

Gets the average stop times and returns it.

Parameters

<i>const</i>	qreal &averageStopTimes
--------------	-------------------------

Sets the average stop times to the given qreal &averageStopTimes. Emits the averageStopTimesChanged signal.

5.2 Database Namespace Reference

Classes

- class [Manager](#)

5.2.1 Detailed Description

Constructs a [Manager](#) facade to access the database using the SQL language. The [Manager](#) facade makes database access in Qt abstract from the underlying database (SQLite, MySQL, ORACLE, ...). Any errors during initialisation of the database are caught and logged as CRITICAL.

Constructs a [Database::Manager](#) instance if none exists and returns it.

Executes the given QSqlQuery query on the active database. Before the execution takes place, the connection is checked. During the execution, the errors are caught and logged as CRITICAL.

Starts a transaction in the database. After you are done with your changes you should call [Database::Manager::endTransaction\(\)](#) to commit your changes.

Warning

This method won't do anything if no transaction was running.

Commits changes to the database and returns true if success.

Sets the current QSqlDatabase database to the given QSqlDatabase &database.

Gets the QSqlDatabase database and returns it.

5.3 Fragments Namespace Reference

Classes

- class [Factory](#)
- class [Fragment](#)
- class [Page](#)

5.3.1 Detailed Description

Constructs a [Fragments::Factory](#) to generate Linked Connections fragments on the fly.

Constructs a [Fragments::Factory](#) if none exists and returns the instance.

Starts the generation process of a [Fragments::Page](#) object by requesting a page by URI. When the page is ready, the pageReady signal will be emitted.

Starts the generation process of a [Fragments::Page](#) object by requesting a page by departure time. When the page is ready, the pageReady signal will be emitted.

Sends a request to the [Network::Manager](#) to retrieve a Linked Connections page by URI.

Converts the JSON-LD into a [Fragments::Fragments](#) object and returns it.

Checks the JSON-LD data by comparing the expected properties with the received ones.

Reads the network reply, parses it using the helper methods. When the reply is completed parsed and no errors were encountered, the pageReady signal is emitted. In case we faced an error, the error signal is emitted with an error message.

Gets the [Network::Manager](#) instance and returns it.

Sets the [Network::Manager](#) instance to the given [Network::Manager](#) *http.

Constructs a [Fragment](#) to store the information about a Linked Connection fragment for the Connection Scan Algorithm ([CSA](#)).

Retrieves the URI of the linked connection fragment and returns it.

Sets the URI of the linked connection fragment to the given QUrl &uri. Emits the uriChanged signal.

Retrieves the departure station URI of the linked connection fragment and returns it.

Sets the departure station URI of the linked connection fragment to the given QUrl &departureStationURI. Emits the departureStationURIChanged signal.

Retrieves the arrival station URI of the linked connection fragment and returns it.

Sets the arrival station URI of the linked connection fragment to the given QUrl &arrivalStationURI. Emits the arrivalStationURIChanged signal.

Retrieves the departure time of the linked connection fragment and returns it.

Sets the departure time of the linked connection fragment to the given QDateTime &departureTime. Emits the departureTimeChanged signal.

Retrieves the arrival time of the linked connection fragment and returns it.

Sets the arrival time of the linked connection fragment to the given QDateTime &arrivalTime. Emits the arrivalTimeChanged signal.

Retrieves the departure delay (in seconds) of the linked connection fragment and returns it.

Sets the departure delay (in seconds) of the linked connection fragment to the given qint16 &departureDelay. Emits the departureDelayChanged signal.

Retrieves the arrival delay (in seconds) of the linked connection fragment and returns it.

Sets the arrival delay (in seconds) of the linked connection fragment to the given qint16 &arrivalDelay. Emits the arrivalDelayChanged signal.

Retrieves the delayed departure time of the linked connection fragment and returns it.

Retrieves the delayed arrival time of the linked connection fragment and returns it.

Retrieves the trip URI of the linked connection fragment and returns it.

Sets the trip URI of the linked connection fragment to the given QUrl &tripURI. Emits the tripURIChanged signal.

Retrieves the route URI of the linked connection fragment and returns it.

Sets the route URI of the linked connection fragment to the given QUrl &routeURI. Emits the routeURIChanged signal.

Retrieves the direction of the vehicle in this linked connection fragment and returns it.

Sets the direction of the vehicle in this linked connection fragment to the given QString &direction. Emits the directionChanged signal.

Constructs a [Page](#) to store the information about a Linked Connection page for the Connection Scan Algorithm (CSA).

Retrieves the URI of the linked connection page and returns it.

Sets the URI of the linked connection page to the given QUrl &uri. Emits the uriChanged signal.

Retrieves the timestamp of the linked connection page and returns it.

Sets the timestamp of the linked connection fragment to the given QDateTime ×tamp. Emits the timestampChanged signal.

Retrieves the URI of the next linked connection page and returns it.

Sets the URI of the linked connection next page to the given QUrl &hydraPrevious. Emits the hydraPreviousChanged signal.

Retrieves the URI of the previous linked connection page and returns it.

Sets the URI of the linked connection previous page to the given QUrl &hydraPrevious. Emits the hydraPreviousChanged signal.

Gets the list of fragments associated with this page and return it.

Sets the list of fragments associated with this page to the given QList<Fragment *> &fragments. Emits the fragmentsChanged signal.

5.4 Network Namespace Reference

Classes

- class [Manager](#)

5.4.1 Detailed Description

Constructs a [Network::Manager](#) facade to access the network using the HTTP protocol. The [Network::Manager](#) facade makes network access in Qt abstract from the underlying library (QNetworkAccessManager, libCurl, ...).

Constructs a [Network::Manager](#) if none exists and returns the instance.

Retrieves a certain resource from the given QUrl &url using a GET request. The result as a QNetworkReply *reply will be available as soon as the requestCompleted signal is fired.

Posts data to a certain resource from the given QUrl url using a POST request. The result as a QNetworkReply *reply will be available as soon as the requestCompleted signal is fired.

Deletes a certain resource from the given QUrl url using a DELETE request. The result as a QNetworkReply *reply will be available as soon as the requestCompleted signal is fired.

Retrieves the headers of the resource from the given QUrl url using a HEAD request. The result as a QNetworkReply *reply will be available as soon as the requestCompleted signal is fired.

Everytime a HTTP request has been made by the user it needs several default headers to complete it's mission. The prepareRequest method just does that, it adds the Accept, User-Agent header to the request and allows redirects.

Retrieves the current user agent used to make requests in this HTTP instance.

Changes the current user agent to the given QString.

Retrieves the current accept header used to make requests in this HTTP instance.

Changes the current accept header to the given QString.

Gets the QNetworkAccessManager instance.

Sets the QNetworkAccessManager instance.

Gets the QAbstractNetworkCache instance.

Sets the QAbstractNetworkCache instance.

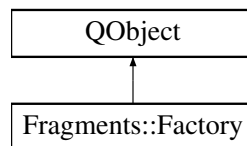
Chapter 6

Class Documentation

6.1 Fragments::Factory Class Reference

```
#include <fragmentsfactory.h>
```

Inheritance diagram for Fragments::Factory:



Signals

- void `pageReady` (`Fragments::Page` *page)
- void `getResource` (const `QUrl` &uri)
- void `error` (const `QString` &message)

Public Member Functions

- void `getPage` (const `QUrl` &uri)
- void `getPage` (const `QDateTime` &departureTime)

Static Public Member Functions

- static `Fragments::Factory` * `getInstance` (`QObject` *parent=nullptr)

Private Slots

- void `processHTTPReply` (`QNetworkReply` *reply)

Private Member Functions

- void [getPageByURIFromNetworkManager](#) (const [QUrl](#) &uri)
- [Fragments::Fragment](#) * [generateFragmentFromJSON](#) (const [QJsonObject](#) &connection)
- bool [validateData](#) (const [QJsonObject](#) &data, const [QStringList](#) &properties)
- [Factory](#) ([QObject](#) *parent)
- [Network::Manager](#) * [http](#) () const
- void [setHttp](#) ([Network::Manager](#) *http)

Private Attributes

- [Network::Manager](#) * [m_http](#)

Static Private Attributes

- static [Fragments::Factory](#) * [m_instance](#) = nullptr

6.1.1 Constructor & Destructor Documentation

6.1.1.1 [Factory\(\)](#)

```
Fragments::Factory::Factory (
    QObject * parent ) [explicit], [private]
```

6.1.2 Member Function Documentation

6.1.2.1 [error](#)

```
void Fragments::Factory::error (
    const QString & message ) [signal]
```

6.1.2.2 [generateFragmentFromJSON\(\)](#)

```
Fragments::Fragment * Fragments::Factory::generateFragmentFromJSON (
    const QJsonObject & connection ) [private]
```

6.1.2.3 getInstance()

```

Fragments::Factory * Fragments::Factory::getInstance (
    QObject * parent = nullptr ) [static]
```

6.1.2.4 getPage() [1/2]

```

void Fragments::Factory::getPage (
    const QUrl & uri )
```

6.1.2.5 getPage() [2/2]

```

void Fragments::Factory::getPage (
    const QDateTime & departureTime )
```

6.1.2.6 getPageByURIFromNetworkManager()

```

void Fragments::Factory::getPageByURIFromNetworkManager (
    const QUrl & uri ) [private]
```

6.1.2.7 getResource

```

void Fragments::Factory::getResource (
    const QUrl & uri ) [signal]
```

6.1.2.8 http()

```

Network::Manager * Fragments::Factory::http ( ) const [private]
```

6.1.2.9 pageReady

```

void Fragments::Factory::pageReady (
    Fragments::Page * page ) [signal]
```

6.1.2.10 processHTTPReply

```
void Fragments::Factory::processHTTPReply (
    QNetworkReply * reply ) [private], [slot]
```

6.1.2.11 setHttp()

```
void Fragments::Factory::setHttp (
    Network::Manager * http ) [private]
```

6.1.2.12 validateData()

```
bool Fragments::Factory::validateData (
    const QJsonObject & data,
    const QStringList & properties ) [private]
```

6.1.3 Member Data Documentation

6.1.3.1 m_http

```
Network::Manager* Fragments::Factory::m_http [private]
```

6.1.3.2 m_instance

```
Fragments::Factory * Fragments::Factory::m_instance = nullptr [static], [private]
```

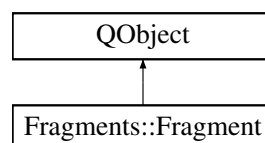
The documentation for this class was generated from the following files:

- [src/linkedconnections/fragments/fragmentsfactory.h](#)
- [src/linkedconnections/fragments/fragmentsfactory.cpp](#)

6.2 Fragments::Fragment Class Reference

```
#include <fragmentsfragment.h>
```

Inheritance diagram for Fragments::Fragment:



Signals

- void [uriChanged](#) ()
- void [departureStationURIChanged](#) ()
- void [arrivalStationURIChanged](#) ()
- void [departureTimeChanged](#) ()
- void [arrivalTimeChanged](#) ()
- void [departureDelayChanged](#) ()
- void [arrivalDelayChanged](#) ()
- void [tripURIChanged](#) ()
- void [routeURIChanged](#) ()
- void [directionChanged](#) ()

Public Member Functions

- [Fragment](#) (QObject *parent=nullptr)
- [Fragment](#) (const QUrl &[uri](#), const QUrl &[departureStationURI](#), const QUrl &[arrivalStationURI](#), const QDateTime &[departureTime](#), const QDateTime &[arrivalTime](#), const qint16 &[departureDelay](#), const qint16 &[arrivalDelay](#), const QUrl &[tripURI](#), const QUrl &[routeURI](#), const QString &[direction](#), QObject *parent=nullptr)
- QUrl [uri](#) () const
- void [setURI](#) (const QUrl &[uri](#))
- QUrl [departureStationURI](#) () const
- void [setDepartureStationURI](#) (const QUrl &[departureStationURI](#))
- QUrl [arrivalStationURI](#) () const
- void [setArrivalStationURI](#) (const QUrl &[arrivalStationURI](#))
- QDateTime [departureTime](#) () const
- void [setDepartureTime](#) (const QDateTime &[departureTime](#))
- QDateTime [arrivalTime](#) () const
- void [setArrivalTime](#) (const QDateTime &[arrivalTime](#))
- qint16 [departureDelay](#) () const
- void [setDepartureDelay](#) (const qint16 &[departureDelay](#))
- qint16 [arrivalDelay](#) () const
- void [setArrivalDelay](#) (const qint16 &[arrivalDelay](#))
- QDateTime [departureDelayedTime](#) () const
- QDateTime [arrivalDelayedTime](#) () const
- QUrl [tripURI](#) () const
- void [setTripURI](#) (const QUrl &[tripURI](#))
- QUrl [routeURI](#) () const
- void [setRouteURI](#) (const QUrl &[routeURI](#))
- QString [direction](#) () const
- void [setDirection](#) (const QString &[direction](#))

Private Attributes

- QUrl [m_uri](#)
- QUrl [m_departureStationURI](#)
- QUrl [m_arrivalStationURI](#)
- QDateTime [m_departureTime](#)
- QDateTime [m_arrivalTime](#)
- qint16 [m_departureDelay](#)
- qint16 [m_arrivalDelay](#)
- QUrl [m_tripURI](#)
- QUrl [m_routeURI](#)
- QString [m_direction](#)

6.2.1 Constructor & Destructor Documentation

6.2.1.1 `Fragment()` [1/2]

```
Fragments::Fragment::Fragment (
    QObject * parent = nullptr ) [explicit]
```

6.2.1.2 `Fragment()` [2/2]

```
Fragments::Fragment::Fragment (
    const QUrl & uri,
    const QUrl & departureStationURI,
    const QUrl & arrivalStationURI,
    const QDateTime & departureTime,
    const QDateTime & arrivalTime,
    const qint16 & departureDelay,
    const qint16 & arrivalDelay,
    const QUrl & tripURI,
    const QUrl & routeURI,
    const QString & direction,
    QObject * parent = nullptr ) [explicit]
```

6.2.2 Member Function Documentation

6.2.2.1 `arrivalDelay()`

```
qint16 Fragments::Fragment::arrivalDelay ( ) const
```

6.2.2.2 `arrivalDelayChanged`

```
void Fragments::Fragment::arrivalDelayChanged ( ) [signal]
```

6.2.2.3 `arrivalDelayedTime()`

```
QDateTime Fragments::Fragment::arrivalDelayedTime ( ) const
```

6.2.2.4 arrivalStationURI()

```
QUrl Fragments::Fragment::arrivalStationURI ( ) const
```

6.2.2.5 arrivalStationURICHanged

```
void Fragments::Fragment::arrivalStationURICHanged ( ) [signal]
```

6.2.2.6 arrivalTime()

```
QDateTime Fragments::Fragment::arrivalTime ( ) const
```

6.2.2.7 arrivalTimeChanged

```
void Fragments::Fragment::arrivalTimeChanged ( ) [signal]
```

6.2.2.8 departureDelay()

```
qint16 Fragments::Fragment::departureDelay ( ) const
```

6.2.2.9 departureDelayChanged

```
void Fragments::Fragment::departureDelayChanged ( ) [signal]
```

6.2.2.10 departureDelayedTime()

```
QDateTime Fragments::Fragment::departureDelayedTime ( ) const
```

6.2.2.11 departureStationURI()

```
QUrl Fragments::Fragment::departureStationURI ( ) const
```

6.2.2.12 departureStationURICHanged

```
void Fragments::Fragment::departureStationURICHanged ( ) [signal]
```

6.2.2.13 departureTime()

```
QDateTime Fragments::Fragment::departureTime ( ) const
```

6.2.2.14 departureTimeChanged

```
void Fragments::Fragment::departureTimeChanged ( ) [signal]
```

6.2.2.15 direction()

```
QString Fragments::Fragment::direction ( ) const
```

6.2.2.16 directionChanged

```
void Fragments::Fragment::directionChanged ( ) [signal]
```

6.2.2.17 routeURI()

```
QUrl Fragments::Fragment::routeURI ( ) const
```

6.2.2.18 routeURICHanged

```
void Fragments::Fragment::routeURICHanged ( ) [signal]
```

6.2.2.19 setArrivalDelay()

```
void Fragments::Fragment::setArrivalDelay (
    const qint16 & arrivalDelay )
```


6.2.2.20 setArrivalStationURI()

```
void Fragments::Fragment::setArrivalStationURI (
    const QUrl & arrivalStationURI )
```

6.2.2.21 setArrivalTime()

```
void Fragments::Fragment::setArrivalTime (
    const QDateTime & arrivalTime )
```

6.2.2.22 setDepartureDelay()

```
void Fragments::Fragment::setDepartureDelay (
    const qint16 & departureDelay )
```

6.2.2.23 setDepartureStationURI()

```
void Fragments::Fragment::setDepartureStationURI (
    const QUrl & departureStationURI )
```

6.2.2.24 setDepartureTime()

```
void Fragments::Fragment::setDepartureTime (
    const QDateTime & departureTime )
```

6.2.2.25 setDirection()

```
void Fragments::Fragment::setDirection (
    const QString & direction )
```

6.2.2.26 setRouteURI()

```
void Fragments::Fragment::setRouteURI (
    const QUrl & routeURI )
```

6.2.2.27 setTripURI()

```
void Fragments::Fragment::setTripURI (
    const QUrl & tripURI )
```

6.2.2.28 setURI()

```
void Fragments::Fragment::setURI (
    const QUrl & uri )
```

6.2.2.29 tripURI()

```
QUrl Fragments::Fragment::tripURI ( ) const
```

6.2.2.30 tripURIChanged

```
void Fragments::Fragment::tripURIChanged ( ) [signal]
```

6.2.2.31 uri()

```
QUrl Fragments::Fragment::uri ( ) const
```

6.2.2.32 uriChanged

```
void Fragments::Fragment::uriChanged ( ) [signal]
```

6.2.3 Member Data Documentation**6.2.3.1 m_arrivalDelay**

```
qint16 Fragments::Fragment::m_arrivalDelay [private]
```

6.2.3.2 m_arrivalStationURI

QString Fragments::Fragment::m_arrivalStationURI [private]

6.2.3.3 m_arrivalTime

QDateTime Fragments::Fragment::m_arrivalTime [private]

6.2.3.4 m_departureDelay

qint16 Fragments::Fragment::m_departureDelay [private]

6.2.3.5 m_departureStationURI

QString Fragments::Fragment::m_departureStationURI [private]

6.2.3.6 m_departureTime

QDateTime Fragments::Fragment::m_departureTime [private]

6.2.3.7 m_direction

QString Fragments::Fragment::m_direction [private]

6.2.3.8 m_routeURI

QString Fragments::Fragment::m_routeURI [private]

6.2.3.9 m_tripURI

QString Fragments::Fragment::m_tripURI [private]

6.2.3.10 m_uri

```
QUrl Fragments::Fragment::m_uri [private]
```

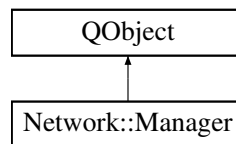
The documentation for this class was generated from the following files:

- [src/linkedconnections/fragments/fragmentsfragment.h](#)
- [src/linkedconnections/fragments/fragmentsfragment.cpp](#)

6.3 Network::Manager Class Reference

```
#include <networkmanager.h>
```

Inheritance diagram for Network::Manager:



Public Slots

- void [getResource](#) (const QUrl &url)
- void [postResource](#) (const QUrl &url, const QByteArray &data)
- void [deleteResource](#) (const QUrl &url)
- void [headResource](#) (const QUrl &url)

Signals

- void [requestCompleted](#) (QNetworkReply *reply)
- QList< QSslError > [sslErrorsReceived](#) (QNetworkReply *reply, QList< QSslError > sslError)
- QNetworkAccessManager::NetworkAccessibility [networkAccessibleChanged](#) (QNetworkAccessManager::↔ NetworkAccessibility state)
- void [userAgentChanged](#) ()
- void [acceptHeaderChanged](#) ()

Public Member Functions

- QString [userAgent](#) () const
- void [setUserAgent](#) (const QString &userAgent)
- QString [acceptHeader](#) () const
- void [setAcceptHeader](#) (const QString &acceptHeader)

Static Public Member Functions

- static [Manager](#) * [getInstance](#) (QObject *parent=nullptr)

Private Member Functions

- [Manager](#) (QObject *parent)
- QNetworkRequest [prepareRequest](#) (const QUrl &url)
- QNetworkAccessManager * [QNAM](#) () const
- void [setQNAM](#) (QNetworkAccessManager *value)
- QAbstractNetworkCache * [cache](#) () const
- void [setCache](#) (QAbstractNetworkCache *cache)

Static Private Member Functions

- static [Manager](#) * [manager](#) ()
- static void [setManager](#) (const [Manager](#) *manager)

Private Attributes

- QNetworkAccessManager * [m_QNAM](#)
- QAbstractNetworkCache * [m_cache](#)
- QString [m_userAgent](#)
- QString [m_acceptHeader](#)

Static Private Attributes

- static [Manager](#) * [m_instance](#) = nullptr

6.3.1 Constructor & Destructor Documentation

6.3.1.1 Manager()

```
Network::Manager::Manager (
    QObject * parent ) [explicit], [private]
```

6.3.2 Member Function Documentation

6.3.2.1 acceptHeader()

```
QString Network::Manager::acceptHeader ( ) const
```

6.3.2.2 acceptHeaderChanged

```
void Network::Manager::acceptHeaderChanged ( ) [signal]
```

6.3.2.3 cache()

```
QAbstractNetworkCache * Network::Manager::cache ( ) const [private]
```

6.3.2.4 deleteResource

```
void Network::Manager::deleteResource (
    const QUrl & url ) [slot]
```

6.3.2.5 getInstance()

```
Network::Manager * Network::Manager::getInstance (
    QObject * parent = nullptr ) [static]
```

6.3.2.6 getResource

```
void Network::Manager::getResource (
    const QUrl & url ) [slot]
```

6.3.2.7 headResource

```
void Network::Manager::headResource (
    const QUrl & url ) [slot]
```

6.3.2.8 manager()

```
static Manager* Network::Manager::manager ( ) [static], [private]
```

6.3.2.9 networkAccessibleChanged

```
QNetworkAccessManager::NetworkAccessibility Network::Manager::networkAccessibleChanged (
    QNetworkAccessManager::NetworkAccessibility state ) [signal]
```

6.3.2.10 postResource

```
void Network::Manager::postResource (
    const QUrl & url,
    const QByteArray & data ) [slot]
```

6.3.2.11 prepareRequest()

```
QNetworkRequest Network::Manager::prepareRequest (
    const QUrl & url ) [private]
```

6.3.2.12 QNAM()

```
QNetworkAccessManager * Network::Manager::QAM ( ) const [private]
```

6.3.2.13 requestCompleted

```
void Network::Manager::requestCompleted (
    QNetworkReply * reply ) [signal]
```

6.3.2.14 setAcceptHeader()

```
void Network::Manager::setAcceptHeader (
    const QString & acceptHeader )
```

6.3.2.15 setCache()

```
void Network::Manager::setCache (
    QAbstractNetworkCache * cache ) [private]
```

6.3.2.16 setManager()

```
static void Network::Manager::setManager (
    const Manager * manager ) [static], [private]
```

6.3.2.17 setQNAM()

```
void Network::Manager::setQNAM (
    QNetworkAccessManager * value ) [private]
```

6.3.2.18 setUserAgent()

```
void Network::Manager::setUserAgent (
    const QString & userAgent )
```

6.3.2.19 sslErrorsReceived

```
QList<QSslError> Network::Manager::sslErrorsReceived (
    QNetworkReply * reply,
    QList< QSslError > sslError ) [signal]
```

6.3.2.20 userAgent()

```
QString Network::Manager::userAgent ( ) const
```

6.3.2.21 userAgentChanged

```
void Network::Manager::userAgentChanged ( ) [signal]
```

6.3.3 Member Data Documentation

6.3.3.1 m_acceptHeader

```
QString Network::Manager::m_acceptHeader [private]
```

6.3.3.2 m_cache

```
QAbstractNetworkCache* Network::Manager::m_cache [private]
```

6.3.3.3 m_instance

```
Network::Manager * Network::Manager::m_instance = nullptr [static], [private]
```

6.3.3.4 m_QNAM

```
QNetworkAccessManager* Network::Manager::m_QNAM [private]
```

6.3.3.5 m_userAgent

```
QString Network::Manager::m_userAgent [private]
```

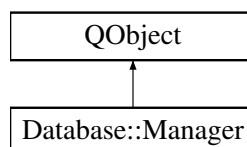
The documentation for this class was generated from the following files:

- [src/network/networkmanager.h](#)
- [src/network/networkmanager.cpp](#)

6.4 Database::Manager Class Reference

```
#include <databasemanager.h>
```

Inheritance diagram for Database::Manager:



Public Member Functions

- bool [execute](#) (QSqlQuery &query)
- bool [startTransaction](#) ()
- bool [endTransaction](#) ()
- QSqlDatabase [database](#) () const

Static Public Member Functions

- static [Manager](#) * [getInstance](#) (const QString &path, QObject *parent=nullptr)

Private Member Functions

- [Manager](#) (const QString &path, QObject *parent)
- void [setDatabase](#) (const QSqlDatabase &[database](#))

Private Attributes

- QSqlDatabase [m_database](#)

Static Private Attributes

- static [Manager](#) * [m_instance](#) = nullptr

6.4.1 Constructor & Destructor Documentation

6.4.1.1 Manager()

```
Database::Manager::Manager (
    const QString & path,
    QObject * parent ) [explicit], [private]
```

6.4.2 Member Function Documentation

6.4.2.1 database()

```
QSqlDatabase Database::Manager::database ( ) const
```

6.4.2.2 endTransaction()

```
bool Database::Manager::endTransaction ( )
```

6.4.2.3 execute()

```
bool Database::Manager::execute (
    QSqlQuery & query )
```

6.4.2.4 getInstance()

```
Database::Manager * Database::Manager::getInstance (
    const QString & path,
    QObject * parent = nullptr ) [static]
```

6.4.2.5 setDatabase()

```
void Database::Manager::setDatabase (
    const QSqlDatabase & database ) [private]
```

6.4.2.6 startTransaction()

```
bool Database::Manager::startTransaction ( )
```

6.4.3 Member Data Documentation

6.4.3.1 m_database

```
QSqlDatabase Database::Manager::m_database [private]
```

6.4.3.2 m_instance

```
Database::Manager * Database::Manager::m_instance = nullptr [static], [private]
```

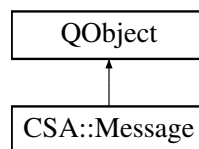
The documentation for this class was generated from the following files:

- src/database/databasemanager.h
- src/database/databasemanager.cpp

6.5 CSA::Message Class Reference

```
#include <csamessage.h>
```

Inheritance diagram for CSA::Message:



Signals

- void [headerChanged](#) ()
- void [descriptionChanged](#) ()
- void [leadChanged](#) ()
- void [linkChanged](#) ()

Public Member Functions

- [Message](#) (const QString &[header](#), const QString &[description](#), const QString &[lead](#), const QUrl &[link](#), QObject *parent=nullptr)
- [Message](#) (const QString &[header](#), const QString &[description](#), QObject *parent=nullptr)
- QString [header](#) () const
- void [setHeader](#) (const QString &[header](#))
- QString [description](#) () const
- void [setDescription](#) (const QString &[description](#))
- QString [lead](#) () const
- void [setLead](#) (const QString &[lead](#))
- QUrl [link](#) () const
- void [setLink](#) (const QUrl &[link](#))

Private Attributes

- QString [m_header](#)
- QString [m_description](#)
- QString [m_lead](#)
- QUrl [m_link](#)

6.5.1 Constructor & Destructor Documentation

6.5.1.1 Message() [1/2]

```
CSA::Message::Message (
    const QString & header,
    const QString & description,
    const QString & lead,
    const QUrl & link,
    QObject * parent = nullptr ) [explicit]
```

6.5.1.2 Message() [2/2]

```
CSA::Message::Message (
    const QString & header,
    const QString & description,
    QObject * parent = nullptr ) [explicit]
```

6.5.2 Member Function Documentation

6.5.2.1 description()

```
QString CSA::Message::description ( ) const
```

6.5.2.2 descriptionChanged

```
void CSA::Message::descriptionChanged ( ) [signal]
```

6.5.2.3 header()

```
QString CSA::Message::header ( ) const
```

6.5.2.4 headerChanged

```
void CSA::Message::headerChanged ( ) [signal]
```

6.5.2.5 lead()

```
QString CSA::Message::lead ( ) const
```

6.5.2.6 leadChanged

```
void CSA::Message::leadChanged ( ) [signal]
```

6.5.2.7 link()

```
QUrl CSA::Message::link ( ) const
```

6.5.2.8 linkChanged

```
void CSA::Message::linkChanged ( ) [signal]
```

6.5.2.9 setDescription()

```
void CSA::Message::setDescription (
    const QString & description )
```

6.5.2.10 setHeader()

```
void CSA::Message::setHeader (
    const QString & header )
```

6.5.2.11 setLead()

```
void CSA::Message::setLead (
    const QString & lead )
```

6.5.2.12 setLink()

```
void CSA::Message::setLink (
    const QUrl & link )
```

6.5.3 Member Data Documentation

6.5.3.1 m_description

```
QString CSA::Message::m_description [private]
```

6.5.3.2 m_header

```
QString CSA::Message::m_header [private]
```

6.5.3.3 m_lead

```
QString CSA::Message::m_lead [private]
```

6.5.3.4 m_link

```
QUrl CSA::Message::m_link [private]
```

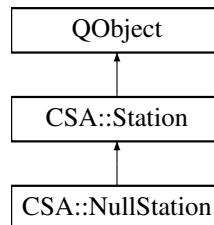
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csamessage.h](#)
- [src/linkedconnections/csa/csamessage.cpp](#)

6.6 CSA::NullStation Class Reference

```
#include <csanullstation.h>
```

Inheritance diagram for CSA::NullStation:



Static Public Member Functions

- static [NullStation](#) * [getInstance](#) (QObject *parent=nullptr)

Private Member Functions

- [NullStation](#) (const [QUrl](#) &[uri](#), const [QMap](#)< [QLocale::Language](#), [QString](#) > &[name](#), const [QLocale](#)<↳
::Country &[country](#), const [QGeoCoordinate](#) &[position](#), const [QGeoAddress](#) &[address](#), const bool
&[hasTicketVendingMachine](#), const bool &[hasLuggageLockers](#), const bool &[hasFreeParking](#), const bool
&[hasTaxi](#), const bool &[hasBicycleSpots](#), const bool &[hasBlueBike](#), const bool &[hasBus](#), const bool
&[hasTram](#), const bool &[hasMetro](#), const bool &[hasWheelchairAvailable](#), const bool &[hasRamp](#), const
qint16 &[disabledParkingSpots](#), const bool &[hasElevatedPlatform](#), const bool &[hasEscalatorUp](#), const bool
&[hasEscalatorDown](#), const bool &[hasElevatorPlatform](#), const bool &[hasHearingAidSignal](#), const [QMap](#)<
[CSA::Station::Day](#), [QPair](#)< [QTime](#), [QTime](#) >> &[openingHours](#), const qreal &[averageStopTimes](#), [QObject](#)
*parent=nullptr)

Static Private Attributes

- static [CSA::NullStation](#) * [m_instance](#) = nullptr

Additional Inherited Members

6.6.1 Constructor & Destructor Documentation

6.6.1.1 NullStation()

```
CSA::NullStation::NullStation (
    const QUrl & uri,
    const QMap< QLocale::Language, QString > & name,
    const QLocale::Country & country,
    const QGeoCoordinate & position,
    const QGeoAddress & address,
    const bool & hasTicketVendingMachine,
    const bool & hasLuggageLockers,
    const bool & hasFreeParking,
    const bool & hasTaxi,
    const bool & hasBicycleSpots,
    const bool & hasBlueBike,
    const bool & hasBus,
    const bool & hasTram,
    const bool & hasMetro,
    const bool & hasWheelchairAvailable,
    const bool & hasRamp,
    const quint16 & disabledParkingSpots,
    const bool & hasElevatedPlatform,
    const bool & hasEscalatorUp,
    const bool & hasEscalatorDown,
    const bool & hasElevatorPlatform,
    const bool & hasHearingAidSignal,
    const QMap< CSA::Station::Day, QPair< QTime, QTime >> & openingHours,
    const qreal & averageStopTimes,
    QObject * parent = nullptr ) [explicit], [private]
```

6.6.2 Member Function Documentation

6.6.2.1 getInstance()

```
CSA::NullStation * CSA::NullStation::getInstance (
    QObject * parent = nullptr ) [static]
```

6.6.3 Member Data Documentation

6.6.3.1 m_instance

```
CSA::NullStation * CSA::NullStation::m_instance = nullptr [static], [private]
```

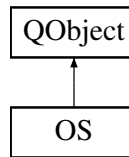
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csanullstation.h](#)
- [src/linkedconnections/csa/csanullstation.cpp](#)

6.7 OS Class Reference

```
#include <os.h>
```

Inheritance diagram for OS:



Signals

- void [releaseChanged](#) ()
- void [versionChanged](#) ()
- void [appNameChanged](#) ()
- void [appNamePrettyChanged](#) ()
- void [appVersionChanged](#) ()
- void [devicepixelratioChanged](#) ()

Public Member Functions

- [OS](#) ()
- Q_INVOKABLE void [createNotification](#) (QString title, QString text, QString feedback, QString category)
- Q_INVOKABLE void [createToaster](#) (QString text, QString icon, QString category)
- Q_INVOKABLE void [closeNotificationByCategory](#) (QString category)
- Q_INVOKABLE void [closeNotificationByReplacesId](#) (QString replacesId)
- Q_INVOKABLE void [closeNotificationAll](#) ()
- QString [release](#) ()
- QString [version](#) ()
- QString [device](#) ()
- QString [cacheLocation](#) ()
- QString [dataLocation](#) ()
- QString [configLocation](#) ()
- QString [photoLocation](#) ()
- QString [musicLocation](#) ()
- QString [documentLocation](#) ()
- QString [videoLocation](#) ()
- QString [downloadLocation](#) ()
- QString [logLocation](#) ()
- QString [logFile](#) ()
- QString [appName](#) ()
- QString [appNamePretty](#) ()
- QString [appVersion](#) ()
- qreal [devicepixelratio](#) ()

Properties

- QString [release](#)
- QString [version](#)
- QString [appName](#)
- QString [appNamePretty](#)
- QString [appVersion](#)
- QString [devicepixelratio](#)

Private Member Functions

- QList< QPair< QString, QString > > [extractFileData](#) (QString location, QStringList queryList)

Private Attributes

- QString [m_release](#)
- QString [m_version](#)
- QString [m_device](#)

6.7.1 Constructor & Destructor Documentation

6.7.1.1 OS()

```
OS::OS ( ) [explicit]
```

6.7.2 Member Function Documentation

6.7.2.1 appName()

```
QString OS::appName ( )
```

6.7.2.2 appNameChanged

```
void OS::appNameChanged ( ) [signal]
```

6.7.2.3 appNamePretty()

```
QString OS::appNamePretty ( )
```

6.7.2.4 appNamePrettyChanged

```
void OS::appNamePrettyChanged ( ) [signal]
```

6.7.2.5 appVersion()

```
QString OS::appVersion ( )
```

6.7.2.6 appVersionChanged

```
void OS::appVersionChanged ( ) [signal]
```

6.7.2.7 cacheLocation()

```
QString OS::cacheLocation ( )
```

6.7.2.8 closeNotificationAll()

```
void OS::closeNotificationAll ( )
```

6.7.2.9 closeNotificationByCategory()

```
void OS::closeNotificationByCategory (
    QString category )
```

6.7.2.10 closeNotificationByReplacesId()

```
void OS::closeNotificationByReplacesId (
    QString replacesId )
```

6.7.2.11 configLocation()

```
QString OS::configLocation ( )
```

6.7.2.12 createNotification()

```
void OS::createNotification (
    QString title,
    QString text,
    QString feedback,
    QString category )
```

6.7.2.13 createToaster()

```
void OS::createToaster (
    QString text,
    QString icon,
    QString category )
```

6.7.2.14 dataLocation()

```
QString OS::dataLocation ( )
```

6.7.2.15 device()

```
QString OS::device ( )
```

6.7.2.16 devicepixelratio()

```
qreal OS::devicepixelratio ( )
```

6.7.2.17 devicepixelratioChanged

```
void OS::devicepixelratioChanged ( ) [signal]
```

6.7.2.18 documentLocation()

```
QString OS::documentLocation ( )
```

6.7.2.19 downloadLocation()

```
QString OS::downloadLocation ( )
```

6.7.2.20 extractFileData()

```
QList< QPair< QString, QString > > OS::extractFileData (
    QString location,
    QStringList queryList ) [private]
```

6.7.2.21 logFile()

```
QString OS::logFile ( )
```

6.7.2.22 logLocation()

```
QString OS::logLocation ( )
```

6.7.2.23 musicLocation()

```
QString OS::musicLocation ( )
```

6.7.2.24 photoLocation()

```
QString OS::photoLocation ( )
```

6.7.2.25 release()

```
QString OS::release ( )
```

6.7.2.26 releaseChanged

```
void OS::releaseChanged ( ) [signal]
```

6.7.2.27 version()

```
QString OS::version ( )
```

6.7.2.28 versionChanged

```
void OS::versionChanged ( ) [signal]
```

6.7.2.29 videoLocation()

```
QString OS::videoLocation ( )
```

6.7.3 Member Data Documentation**6.7.3.1 m_device**

```
QString OS::m_device [private]
```

6.7.3.2 m_release

QString OS::m_release [private]

6.7.3.3 m_version

QString OS::m_version [private]

6.7.4 Property Documentation

6.7.4.1 appName

QString OS::appName [read]

6.7.4.2 appNamePretty

QString OS::appNamePretty [read]

6.7.4.3 appVersion

QString OS::appVersion [read]

6.7.4.4 devicepixelratio

qreal OS::devicepixelratio [read]

6.7.4.5 release

QString OS::release [read]

6.7.4.6 version

```
QString OS::version [read]
```

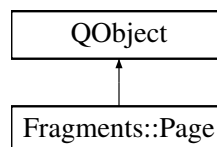
The documentation for this class was generated from the following files:

- [src/os.h](#)
- [src/os.cpp](#)

6.8 Fragments::Page Class Reference

```
#include <fragmentspage.h>
```

Inheritance diagram for Fragments::Page:



Signals

- void [uriChanged](#) ()
- void [timestampChanged](#) ()
- void [hydraNextChanged](#) ()
- void [hydraPreviousChanged](#) ()
- void [fragmentsChanged](#) ()

Public Member Functions

- [Page](#) (QObject *parent=nullptr)
- [Page](#) (const QUrl &uri, const QDateTime ×tamp, const QUrl &hydraNext, const QUrl &hydraPrevious, const QList< [Fragments::Fragment](#) * > &fragments, QObject *parent=nullptr)
- QUrl [uri](#) () const
- void [setURI](#) (const QUrl &uri)
- QDateTime [timestamp](#) () const
- void [setTimestamp](#) (const QDateTime ×tamp)
- QUrl [hydraNext](#) () const
- void [setHydraNext](#) (const QUrl &hydraNext)
- QUrl [hydraPrevious](#) () const
- void [setHydraPrevious](#) (const QUrl &hydraPrevious)
- QList< [Fragments::Fragment](#) * > [fragments](#) () const
- void [setFragments](#) (const QList< [Fragments::Fragment](#) * > &fragments)

Private Attributes

- [QUrl m_uri](#)
- [QDateTime m_timestamp](#)
- [QUrl m_hydraNext](#)
- [QUrl m_hydraPrevious](#)
- [QList< \[Fragments::Fragment\]\(#\) * > m_fragments](#)

6.8.1 Constructor & Destructor Documentation

6.8.1.1 Page() [1/2]

```
Fragments::Page::Page (  
    QObject * parent = nullptr ) [explicit]
```

6.8.1.2 Page() [2/2]

```
Fragments::Page::Page (  
    const QUrl & uri,  
    const QDateTime & timestamp,  
    const QUrl & hydraNext,  
    const QUrl & hydraPrevious,  
    const QList< Fragments::Fragment *> & fragments,  
    QObject * parent = nullptr ) [explicit]
```

6.8.2 Member Function Documentation

6.8.2.1 fragments()

```
QList< Fragments::Fragment * > Fragments::Page::fragments ( ) const
```

6.8.2.2 fragmentsChanged

```
void Fragments::Page::fragmentsChanged ( ) [signal]
```

6.8.2.3 hydraNext()

```
QUrl Fragments::Page::hydraNext ( ) const
```

6.8.2.4 hydraNextChanged

```
void Fragments::Page::hydraNextChanged ( ) [signal]
```

6.8.2.5 hydraPrevious()

```
QUrl Fragments::Page::hydraPrevious ( ) const
```

6.8.2.6 hydraPreviousChanged

```
void Fragments::Page::hydraPreviousChanged ( ) [signal]
```

6.8.2.7 setFragments()

```
void Fragments::Page::setFragments (
    const QList< Fragments::Fragment *> & fragments )
```

6.8.2.8 setHydraNext()

```
void Fragments::Page::setHydraNext (
    const QUrl & hydraNext )
```

6.8.2.9 setHydraPrevious()

```
void Fragments::Page::setHydraPrevious (
    const QUrl & hydraPrevious )
```

6.8.2.10 setTimestamp()

```
void Fragments::Page::setTimestamp (
    const QDateTime & timestamp )
```

6.8.2.11 setURI()

```
void Fragments::Page::setURI (
    const QUrl & uri )
```

6.8.2.12 timestamp()

```
QDateTime Fragments::Page::timestamp ( ) const
```

6.8.2.13 timestampChanged

```
void Fragments::Page::timestampChanged ( ) [signal]
```

6.8.2.14 uri()

```
QUrl Fragments::Page::uri ( ) const
```

6.8.2.15 uriChanged

```
void Fragments::Page::uriChanged ( ) [signal]
```

6.8.3 Member Data Documentation

6.8.3.1 m_fragments

```
QList<Fragments::Fragment *> Fragments::Page::m_fragments [private]
```

6.8.3.2 m_hydraNext

`QUrl Fragments::Page::m_hydraNext` [private]

6.8.3.3 m_hydraPrevious

`QUrl Fragments::Page::m_hydraPrevious` [private]

6.8.3.4 m_timestamp

`QDateTime Fragments::Page::m_timestamp` [private]

6.8.3.5 m_uri

`QUrl Fragments::Page::m_uri` [private]

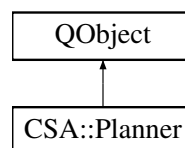
The documentation for this class was generated from the following files:

- [src/linkedconnections/fragments/fragmentspage.h](#)
- [src/linkedconnections/fragments/fragmentspage.cpp](#)

6.9 CSA::Planner Class Reference

```
#include <csaplanner.h>
```

Inheritance diagram for CSA::Planner:



Signals

- void [routesFound](#) (const QList< [CSA::Route](#) *> &routes)
- void [error](#) (const QString &message)
- void [pageRequested](#) (const QUrl &pageURI)
- void [pageReceived](#) (const QUrl &pageURI)
- void [pageProgress](#) (const QUrl &pageURI, const qint16 &progress)

Public Member Functions

- void [getConnections](#) (const [QUrl](#) &departureStation, const [QUrl](#) &arrivalStation, const [QDateTime](#) &departureTime, const [qint16](#) &maxTransfers)
- [QDateTime](#) [calculateArrivalTime](#) (const [QDateTime](#) &departureTime)
- [QDateTime](#) [departureTime](#) () const
- void [setDepartureTime](#) (const [QDateTime](#) &departureTime)
- [QDateTime](#) [arrivalTime](#) () const
- void [setArrivalTime](#) (const [QDateTime](#) &arrivalTime)
- [qint16](#) [maxTransfers](#) () const
- void [setMaxTransfers](#) (const [qint16](#) &maxTransfers)
- [QUrl](#) [departureStationURI](#) () const
- void [setDepartureStationURI](#) (const [QUrl](#) &departureStationURI)
- [QUrl](#) [arrivalStationURI](#) () const
- void [setArrivalStationURI](#) (const [QUrl](#) &arrivalStationURI)

Static Public Member Functions

- static [Planner](#) * [getInstance](#) ([QObject](#) *parent=nullptr)

Private Slots

- void [pageReceived](#) ([Fragments::Page](#) *page)

Private Member Functions

- [Planner](#) ([QObject](#) *parent)
- void [planPage](#) ([Fragments::Page](#) *page)
- [StationStopProfile](#) * [getFirstReachableConnection](#) ([StationStopProfile](#) *arrivalProfile)
- [Fragments::Factory](#) * [Factory](#) () const
- void [setFactory](#) ([Fragments::Factory](#) *value)
- [CSA::StationFactory](#) * [stationFactory](#) () const
- void [setStationFactory](#) ([CSA::StationFactory](#) *stationFactory)
- [QList](#)< [CSA::Route](#) * > [routes](#) () const
- void [setRoutes](#) (const [QList](#)< [CSA::Route](#) * > &routes)
- [QMap](#)< [QUrl](#), [QList](#)< [CSA::StationStopProfile](#) * > > [SArray](#) () const
- void [setSArray](#) (const [QMap](#)< [QUrl](#), [QList](#)< [CSA::StationStopProfile](#) * > > &[SArray](#))
- [QMap](#)< [QUrl](#), [CSA::TrainProfile](#) * > [TArray](#) () const
- void [setTArray](#) (const [QMap](#)< [QUrl](#), [CSA::TrainProfile](#) * > &[TArray](#))

Private Attributes

- [QMutex](#) [syncThreadMutex](#)
- [Fragments::Factory](#) * [m_linkedConnectionFactory](#)
- [CSA::StationFactory](#) * [m_stationFactory](#)
- [QUrl](#) [m_departureStationURI](#)
- [QUrl](#) [m_arrivalStationURI](#)
- [QDateTime](#) [m_departureTime](#)
- [QDateTime](#) [m_arrivalTime](#)
- [qint16](#) [m_maxTransfers](#)
- [QList](#)< [CSA::Route](#) * > [m_routes](#)
- [QMap](#)< [QUrl](#), [QList](#)< [CSA::StationStopProfile](#) * > > [m_SArray](#)
- [QMap](#)< [QUrl](#), [CSA::TrainProfile](#) * > [m_TArray](#)

Static Private Attributes

- static [CSA::Planner](#) * `m_instance` = nullptr

6.9.1 Constructor & Destructor Documentation

6.9.1.1 Planner()

```
CSA::Planner::Planner (
    QObject * parent ) [explicit], [private]
```

6.9.2 Member Function Documentation

6.9.2.1 arrivalStationURI()

```
QUrl CSA::Planner::arrivalStationURI ( ) const
```

6.9.2.2 arrivalTime()

```
QDateTime CSA::Planner::arrivalTime ( ) const
```

6.9.2.3 calculateArrivalTime()

```
QDateTime CSA::Planner::calculateArrivalTime (
    const QDateTime & departureTime )
```

6.9.2.4 departureStationURI()

```
QUrl CSA::Planner::departureStationURI ( ) const
```

6.9.2.5 departureTime()

```
QDateTime CSA::Planner::departureTime ( ) const
```

6.9.2.6 error

```
void CSA::Planner::error (
    const QString & message ) [signal]
```

6.9.2.7 Factory()

```
Fragments::Factory * CSA::Planner::Factory ( ) const [private]
```

6.9.2.8 getConnections()

```
void CSA::Planner::getConnections (
    const QUrl & departureStation,
    const QUrl & arrivalStation,
    const QDateTime & departureTime,
    const quint16 & maxTransfers )
```

6.9.2.9 getFirstReachableConnection()

```
CSA::StationStopProfile * CSA::Planner::getFirstReachableConnection (
    CSA::StationStopProfile * arrivalProfile ) [private]
```

6.9.2.10 getInstance()

```
CSA::Planner * CSA::Planner::getInstance (
    QObject * parent = nullptr ) [static]
```

6.9.2.11 maxTransfers()

```
quint16 CSA::Planner::maxTransfers ( ) const
```


6.9.2.12 pageProgress

```
void CSA::Planner::pageProgress (
    const QUrl & pageURI,
    const quint16 & progress ) [signal]
```

6.9.2.13 pageReceived [1/2]

```
void CSA::Planner::pageReceived (
    const QUrl & pageURI ) [signal]
```

6.9.2.14 pageReceived [2/2]

```
void CSA::Planner::pageReceived (
    Fragments::Page * page ) [private], [slot]
```

6.9.2.15 pageRequested

```
void CSA::Planner::pageRequested (
    const QUrl & pageURI ) [signal]
```

6.9.2.16 planPage()

```
void CSA::Planner::planPage (
    Fragments::Page * page ) [private]
```

6.9.2.17 routes()

```
QList< CSA::Route * > CSA::Planner::routes ( ) const [private]
```

6.9.2.18 routesFound

```
void CSA::Planner::routesFound (
    const QList< CSA::Route *> & routes ) [signal]
```

6.9.2.19 SArray()

```
QMap< QUrl, QList< CSA::StationStopProfile * > > CSA::Planner::SArray ( ) const [private]
```

6.9.2.20 setArrivalStationURI()

```
void CSA::Planner::setArrivalStationURI (
    const QUrl & arrivalStationURI )
```

6.9.2.21 setArrivalTime()

```
void CSA::Planner::setArrivalTime (
    const QDateTime & arrivalTime )
```

6.9.2.22 setDepartureStationURI()

```
void CSA::Planner::setDepartureStationURI (
    const QUrl & departureStationURI )
```

6.9.2.23 setDepartureTime()

```
void CSA::Planner::setDepartureTime (
    const QDateTime & departureTime )
```

6.9.2.24 setFactory()

```
void CSA::Planner::setFactory (
    Fragments::Factory * value ) [private]
```

6.9.2.25 setMaxTransfers()

```
void CSA::Planner::setMaxTransfers (
    const quint16 & maxTransfers )
```

6.9.2.26 setRoutes()

```
void CSA::Planner::setRoutes (
    const QList< CSA::Route *> & routes ) [private]
```

6.9.2.27 setSArray()

```
void CSA::Planner::setSArray (
    const QMap< QUrl, QList< CSA::StationStopProfile *> > & SArray ) [private]
```

6.9.2.28 setStationFactory()

```
void CSA::Planner::setStationFactory (
    CSA::StationFactory * stationFactory ) [private]
```

6.9.2.29 setTArray()

```
void CSA::Planner::setTArray (
    const QMap< QUrl, CSA::TrainProfile *> & TArray ) [private]
```

6.9.2.30 stationFactory()

```
CSA::StationFactory * CSA::Planner::stationFactory ( ) const [private]
```

6.9.2.31 TArray()

```
QMap< QUrl, CSA::TrainProfile * > CSA::Planner::TArray ( ) const [private]
```

6.9.3 Member Data Documentation

6.9.3.1 m_arrivalStationURI

```
QUrl CSA::Planner::m_arrivalStationURI [private]
```

6.9.3.2 m_arrivalTime

```
QDateTime CSA::Planner::m_arrivalTime [private]
```

6.9.3.3 m_departureStationURI

```
QUrl CSA::Planner::m_departureStationURI [private]
```

6.9.3.4 m_departureTime

```
QDateTime CSA::Planner::m_departureTime [private]
```

6.9.3.5 m_instance

```
CSA::Planner * CSA::Planner::m_instance = nullptr [static], [private]
```

6.9.3.6 m_linkedConnectionFactory

```
Fragments::Factory* CSA::Planner::m_linkedConnectionFactory [private]
```

6.9.3.7 m_maxTransfers

```
qint16 CSA::Planner::m_maxTransfers [private]
```

6.9.3.8 m_routes

```
QList<CSA::Route *> CSA::Planner::m_routes [private]
```

6.9.3.9 m_SArray

```
QMap<QUrl, QList<CSA::StationStopProfile *> > CSA::Planner::m_SArray [private]
```

6.9.3.10 m_stationFactory

```
CSA::StationFactory* CSA::Planner::m_stationFactory [private]
```

6.9.3.11 m_TArray

```
QMap<QUrl, CSA::TrainProfile *> CSA::Planner::m_TArray [private]
```

6.9.3.12 syncThreadMutex

```
QMutex CSA::Planner::syncThreadMutex [mutable], [private]
```

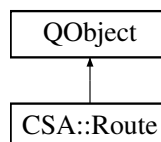
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csaplanner.h](#)
- [src/linkedconnections/csa/csaplanner.cpp](#)

6.10 CSA::Route Class Reference

```
#include <csaroute.h>
```

Inheritance diagram for CSA::Route:



Signals

- void [legsChanged](#) ()
- void [transfersChanged](#) ()
- void [tripAlertsChanged](#) ()
- void [vehicleAlertsChanged](#) ()
- void [remarksChanged](#) ()

Public Member Functions

- [Route](#) (const QList< [CSA::RouteLeg](#) * > &[legs](#), const QList< [CSA::Transfer](#) * > &[transfers](#), const QList< [CSA::Message](#) * > &[tripAlerts](#), const QList< [CSA::Message](#) * > &[vehicleAlerts](#), const QList< [CSA::Message](#) * > &[remarks](#), QObject *parent=nullptr)
- [Route](#) (const QList< [RouteLeg](#) * > &[legs](#), QObject *parent=nullptr)
- QList< [CSA::RouteLeg](#) * > [legs](#) () const
- void [setLegs](#) (const QList< [RouteLeg](#) * > &[legs](#))
- QList< [CSA::Transfer](#) * > [transfers](#) () const
- void [setTransfers](#) (const QList< [CSA::Transfer](#) * > &[transfers](#))
- QList< [CSA::Message](#) * > [tripAlerts](#) () const
- void [setTripAlerts](#) (const QList< [CSA::Message](#) * > &[tripAlerts](#))
- QList< [CSA::Message](#) * > [vehicleAlerts](#) () const
- void [setVehicleAlerts](#) (const QList< [CSA::Message](#) * > &[vehicleAlerts](#))
- QList< [CSA::Message](#) * > [remarks](#) () const
- void [setRemarks](#) (const QList< [CSA::Message](#) * > &[remarks](#))
- qint64 [duration](#) () const
- qint64 [durationWithDelays](#) () const
- QDateTime [departureTime](#) () const
- qint16 [departureDelay](#) () const
- QDateTime [departureDelayedTime](#) () const
- QDateTime [arrivalTime](#) () const
- QDateTime [arrivalDelayedTime](#) () const
- qint16 [arrivalDelay](#) () const
- qint16 [transferCount](#) () const
- qint16 [stationCount](#) () const
- QString [departurePlatform](#) () const
- bool [isDeparturePlatformNormal](#) () const
- QString [arrivalPlatform](#) () const
- bool [isArrivalPlatformNormal](#) () const
- [CSA::Transfer](#) * [departureStation](#) () const
- [CSA::Transfer](#) * [arrivalStation](#) () const
- bool [isPartiallyCanceled](#) () const

Private Attributes

- QList< [CSA::RouteLeg](#) * > [m_legs](#)
- QList< [CSA::Transfer](#) * > [m_transfers](#)
- QList< [CSA::Message](#) * > [m_tripAlerts](#)
- QList< [CSA::Message](#) * > [m_vehicleAlerts](#)
- QList< [CSA::Message](#) * > [m_remarks](#)

6.10.1 Constructor & Destructor Documentation

6.10.1.1 Route() [1/2]

```
CSA::Route::Route (
    const QList< CSA::RouteLeg *> & legs,
    const QList< CSA::Transfer *> & transfers,
    const QList< CSA::Message *> & tripAlerts,
    const QList< CSA::Message *> & vehicleAlerts,
    const QList< CSA::Message *> & remarks,
    QObject * parent = nullptr ) [explicit]
```

6.10.1.2 Route() [2/2]

```
CSA::Route::Route (
    const QList< RouteLeg *> & legs,
    QObject * parent = nullptr ) [explicit]
```

6.10.2 Member Function Documentation**6.10.2.1 arrivalDelay()**

```
qint16 CSA::Route::arrivalDelay ( ) const
```

6.10.2.2 arrivalDelayedTime()

```
QDateTime CSA::Route::arrivalDelayedTime ( ) const
```

6.10.2.3 arrivalPlatform()

```
QString CSA::Route::arrivalPlatform ( ) const
```

6.10.2.4 arrivalStation()

```
CSA::Transfer * CSA::Route::arrivalStation ( ) const
```

6.10.2.5 arrivalTime()

```
QDateTime CSA::Route::arrivalTime ( ) const
```

6.10.2.6 departureDelay()

```
qint16 CSA::Route::departureDelay ( ) const
```

6.10.2.7 departureDelayedTime()

```
QDateTime CSA::Route::departureDelayedTime ( ) const
```

6.10.2.8 departurePlatform()

```
QString CSA::Route::departurePlatform ( ) const
```

6.10.2.9 departureStation()

```
CSA::Transfer * CSA::Route::departureStation ( ) const
```

6.10.2.10 departureTime()

```
QDateTime CSA::Route::departureTime ( ) const
```

6.10.2.11 duration()

```
qint64 CSA::Route::duration ( ) const
```

6.10.2.12 durationWithDelays()

```
qint64 CSA::Route::durationWithDelays ( ) const
```


6.10.2.13 isArrivalPlatformNormal()

```
bool CSA::Route::isArrivalPlatformNormal ( ) const
```

6.10.2.14 isDeparturePlatformNormal()

```
bool CSA::Route::isDeparturePlatformNormal ( ) const
```

6.10.2.15 isPartiallyCanceled()

```
bool CSA::Route::isPartiallyCanceled ( ) const
```

6.10.2.16 legs()

```
QList< CSA::RouteLeg * > CSA::Route::legs ( ) const
```

6.10.2.17 legsChanged

```
void CSA::Route::legsChanged ( ) [signal]
```

6.10.2.18 remarks()

```
QList< CSA::Message * > CSA::Route::remarks ( ) const
```

6.10.2.19 remarksChanged

```
void CSA::Route::remarksChanged ( ) [signal]
```

6.10.2.20 setLegs()

```
void CSA::Route::setLegs (
    const QList< RouteLeg *> & legs )
```

6.10.2.21 setRemarks()

```
void CSA::Route::setRemarks (
    const QList< CSA::Message *> & remarks )
```

6.10.2.22 setTransfers()

```
void CSA::Route::setTransfers (
    const QList< CSA::Transfer *> & transfers )
```

6.10.2.23 setTripAlerts()

```
void CSA::Route::setTripAlerts (
    const QList< CSA::Message *> & tripAlerts )
```

6.10.2.24 setVehicleAlerts()

```
void CSA::Route::setVehicleAlerts (
    const QList< CSA::Message *> & vehicleAlerts )
```

6.10.2.25 stationCount()

```
qint16 CSA::Route::stationCount ( ) const
```

6.10.2.26 transferCount()

```
qint16 CSA::Route::transferCount ( ) const
```

6.10.2.27 transfers()

```
QList< CSA::Transfer * > CSA::Route::transfers ( ) const
```

6.10.2.28 transfersChanged

```
void CSA::Route::transfersChanged ( ) [signal]
```

6.10.2.29 tripAlerts()

```
QList< CSA::Message * > CSA::Route::tripAlerts ( ) const
```

6.10.2.30 tripAlertsChanged

```
void CSA::Route::tripAlertsChanged ( ) [signal]
```

6.10.2.31 vehicleAlerts()

```
QList< CSA::Message * > CSA::Route::vehicleAlerts ( ) const
```

6.10.2.32 vehicleAlertsChanged

```
void CSA::Route::vehicleAlertsChanged ( ) [signal]
```

6.10.3 Member Data Documentation

6.10.3.1 m_legs

```
QList<CSA::RouteLeg *> CSA::Route::m_legs [private]
```

6.10.3.2 m_remarks

```
QList<CSA::Message *> CSA::Route::m_remarks [private]
```

6.10.3.3 m_transfers

```
QList<CSA::Transfer *> CSA::Route::m_transfers [private]
```

6.10.3.4 m_tripAlerts

```
QList<CSA::Message *> CSA::Route::m_tripAlerts [private]
```

6.10.3.5 m_vehicleAlerts

```
QList<CSA::Message *> CSA::Route::m_vehicleAlerts [private]
```

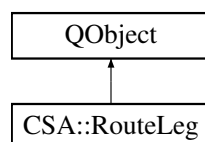
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csaroute.h](#)
- [src/linkedconnections/csa/csaroute.cpp](#)

6.11 CSA::RouteLeg Class Reference

```
#include <csarouteleg.h>
```

Inheritance diagram for CSA::RouteLeg:



Public Types

- enum [Type](#) {
[Type::WALKING](#), [Type::BICYCLE](#), [Type::BUS](#), [Type::TRAM](#),
[Type::METRO](#), [Type::BOAT](#), [Type::TAXI](#), [Type::TRAIN](#) }

Signals

- void [typeChanged](#) ()
- void [vehicleInformationChanged](#) ()
- void [intermediaryStopsChanged](#) ()
- void [stopsChanged](#) ()
- void [departureChanged](#) ()
- void [arrivalChanged](#) ()
- void [stationChanged](#) ()

Public Member Functions

- [RouteLeg](#) (const [CSA::RouteLeg::Type](#) &type, [CSA::Vehicle](#) *vehicleInformation, [CSA::RouteLegEnd](#) *departure, [CSA::RouteLegEnd](#) *arrival, [QObject](#) *parent=nullptr)
- [CSA::RouteLeg::Type](#) type () const
- void [setType](#) (const [CSA::RouteLeg::Type](#) &type)
- [CSA::Vehicle](#) * [vehicleInformation](#) () const
- void [setVehicleInformation](#) ([CSA::Vehicle](#) *vehicleInformation)
- [QList](#)< [CSA::VehicleStop](#) * > [intermediaryStops](#) () const
- void [setIntermediaryStops](#) (const [QList](#)< [CSA::VehicleStop](#) * > &intermediaryStops)
- [CSA::RouteLegEnd](#) * [departure](#) () const
- void [setDeparture](#) ([CSA::RouteLegEnd](#) *departure)
- [CSA::RouteLegEnd](#) * [arrival](#) () const
- void [setArrival](#) ([CSA::RouteLegEnd](#) *arrival)
- [CSA::Station](#) * [station](#) () const

Private Attributes

- [CSA::RouteLeg::Type](#) m_type
- [CSA::Vehicle](#) * m_vehicleInformation
- [QList](#)< [CSA::VehicleStop](#) * > m_intermediaryStops
- [CSA::RouteLegEnd](#) * m_departure
- [CSA::RouteLegEnd](#) * m_arrival

6.11.1 Member Enumeration Documentation

6.11.1.1 Type

```
enum CSA::RouteLeg::Type [strong]
```

Enumerator

WALKING	
BICYCLE	
BUS	
TRAM	
METRO	
BOAT	
TAXI	
TRAIN	

6.11.2 Constructor & Destructor Documentation

6.11.2.1 RouteLeg()

```
CSA::RouteLeg::RouteLeg (
    const CSA::RouteLeg::Type & type,
    CSA::Vehicle * vehicleInformation,
    CSA::RouteLegEnd * departure,
    CSA::RouteLegEnd * arrival,
    QObject * parent = nullptr ) [explicit]
```

6.11.3 Member Function Documentation

6.11.3.1 arrival()

```
CSA::RouteLegEnd * CSA::RouteLeg::arrival ( ) const
```

6.11.3.2 arrivalChanged

```
void CSA::RouteLeg::arrivalChanged ( ) [signal]
```

6.11.3.3 departure()

```
CSA::RouteLegEnd * CSA::RouteLeg::departure ( ) const
```

6.11.3.4 departureChanged

```
void CSA::RouteLeg::departureChanged ( ) [signal]
```

6.11.3.5 intermediaryStops()

```
QList< CSA::VehicleStop * > CSA::RouteLeg::intermediaryStops ( ) const
```

6.11.3.6 intermediaryStopsChanged

```
void CSA::RouteLeg::intermediaryStopsChanged ( ) [signal]
```

6.11.3.7 setArrival()

```
void CSA::RouteLeg::setArrival (
    CSA::RouteLegEnd * arrival )
```

6.11.3.8 setDeparture()

```
void CSA::RouteLeg::setDeparture (
    CSA::RouteLegEnd * departure )
```

6.11.3.9 setIntermediaryStops()

```
void CSA::RouteLeg::setIntermediaryStops (
    const QList< CSA::VehicleStop *> & intermediaryStops )
```

6.11.3.10 setType()

```
void CSA::RouteLeg::setType (
    const CSA::RouteLeg::Type & type )
```

6.11.3.11 setVehicleInformation()

```
void CSA::RouteLeg::setVehicleInformation (
    CSA::Vehicle * vehicleInformation )
```

6.11.3.12 station()

```
CSA::Station * CSA::RouteLeg::station ( ) const
```

6.11.3.13 stationChanged

```
void CSA::RouteLeg::stationChanged ( ) [signal]
```

6.11.3.14 stopsChanged

```
void CSA::RouteLeg::stopsChanged ( ) [signal]
```

6.11.3.15 type()

```
CSA::RouteLeg::Type CSA::RouteLeg::type ( ) const
```

6.11.3.16 typeChanged

```
void CSA::RouteLeg::typeChanged ( ) [signal]
```

6.11.3.17 vehicleInformation()

```
CSA::Vehicle * CSA::RouteLeg::vehicleInformation ( ) const
```

6.11.3.18 vehicleInformationChanged

```
void CSA::RouteLeg::vehicleInformationChanged ( ) [signal]
```

6.11.4 Member Data Documentation

6.11.4.1 m_arrival

```
CSA::RouteLegEnd* CSA::RouteLeg::m_arrival [private]
```


6.11.4.2 m_departure

```
CSA::RouteLegEnd* CSA::RouteLeg::m_departure [private]
```

6.11.4.3 m_intermediaryStops

```
QList<CSA::VehicleStop *> CSA::RouteLeg::m_intermediaryStops [private]
```

6.11.4.4 m_type

```
CSA::RouteLeg::Type CSA::RouteLeg::m_type [private]
```

6.11.4.5 m_vehicleInformation

```
CSA::Vehicle* CSA::RouteLeg::m_vehicleInformation [private]
```

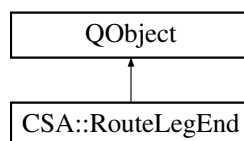
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csarouteleg.h](#)
- [src/linkedconnections/csa/csarouteleg.cpp](#)

6.12 CSA::RouteLegEnd Class Reference

```
#include <csaroutelegend.h>
```

Inheritance diagram for CSA::RouteLegEnd:



Signals

- void [uriChanged](#) ()
- void [timeChanged](#) ()
- void [stationChanged](#) ()
- void [platformChanged](#) ()
- void [isNormalPlatformChanged](#) ()
- void [delayChanged](#) ()
- void [isCanceledChanged](#) ()
- void [isPassedChanged](#) ()
- void [occupancyLevelChanged](#) ()

Public Member Functions

- [RouteLegEnd](#) (const [QUrl](#) &[uri](#), const [QDateTime](#) &[time](#), [CSA::Station](#) *[station](#), const [QString](#) &[platform](#), const bool &[isNormalPlatform](#), const [qint16](#) &[delay](#), const bool &[isCanceled](#), const bool &[isPassed](#), const [CSA::Vehicle::OccupancyLevel](#) &[occupancyLevel](#), [QObject](#) *parent=nullptr)
- [QUrl](#) [uri](#) () const
- void [setUri](#) (const [QUrl](#) &[uri](#))
- [QDateTime](#) [time](#) () const
- void [setTime](#) (const [QDateTime](#) &[time](#))
- [CSA::Station](#) * [station](#) () const
- void [setStation](#) ([CSA::Station](#) *[station](#))
- [QString](#) [platform](#) () const
- void [setPlatform](#) (const [QString](#) &[platform](#))
- bool [isNormalPlatform](#) () const
- void [setIsNormalPlatform](#) (bool [isNormalPlatform](#))
- [qint16](#) [delay](#) () const
- void [setDelay](#) (const [qint16](#) &[delay](#))
- bool [isCanceled](#) () const
- void [setIsCanceled](#) (bool [isCanceled](#))
- bool [isPassed](#) () const
- void [setIsPassed](#) (bool [isPassed](#))
- [CSA::Vehicle::OccupancyLevel](#) [occupancyLevel](#) () const
- void [setOccupancyLevel](#) (const [CSA::Vehicle::OccupancyLevel](#) &[occupancyLevel](#))

Private Attributes

- [QUrl](#) [m_uri](#)
- [QDateTime](#) [m_time](#)
- [CSA::Station](#) * [m_station](#)
- [QString](#) [m_platform](#)
- bool [m_isNormalPlatform](#)
- [qint16](#) [m_delay](#)
- bool [m_isCanceled](#)
- bool [m_isPassed](#)
- [CSA::Vehicle::OccupancyLevel](#) [m_occupancyLevel](#)

6.12.1 Constructor & Destructor Documentation

6.12.1.1 RouteLegEnd()

```
CSA::RouteLegEnd::RouteLegEnd (
    const QUrl & uri,
    const QDateTime & time,
    CSA::Station * station,
    const QString & platform,
    const bool & isNormalPlatform,
    const qint16 & delay,
    const bool & isCanceled,
    const bool & isPassed,
    const CSA::Vehicle::OccupancyLevel & occupancyLevel,
    QObject * parent = nullptr ) [explicit]
```

6.12.2 Member Function Documentation

6.12.2.1 delay()

```
qint16 CSA::RouteLegEnd::delay ( ) const
```

6.12.2.2 delayChanged

```
void CSA::RouteLegEnd::delayChanged ( ) [signal]
```

6.12.2.3 isCanceled()

```
bool CSA::RouteLegEnd::isCanceled ( ) const
```

6.12.2.4 isCanceledChanged

```
void CSA::RouteLegEnd::isCanceledChanged ( ) [signal]
```

6.12.2.5 isNormalPlatform()

```
bool CSA::RouteLegEnd::isNormalPlatform ( ) const
```

6.12.2.6 isNormalPlatformChanged

```
void CSA::RouteLegEnd::isNormalPlatformChanged ( ) [signal]
```

6.12.2.7 isPassed()

```
bool CSA::RouteLegEnd::isPassed ( ) const
```

6.12.2.8 isPassedChanged

```
void CSA::RouteLegEnd::isPassedChanged ( ) [signal]
```

6.12.2.9 occupancyLevel()

```
CSA::Vehicle::OccupancyLevel CSA::RouteLegEnd::occupancyLevel ( ) const
```

6.12.2.10 occupancyLevelChanged

```
void CSA::RouteLegEnd::occupancyLevelChanged ( ) [signal]
```

6.12.2.11 platform()

```
QString CSA::RouteLegEnd::platform ( ) const
```

6.12.2.12 platformChanged

```
void CSA::RouteLegEnd::platformChanged ( ) [signal]
```

6.12.2.13 setDelay()

```
void CSA::RouteLegEnd::setDelay (
    const quint16 & delay )
```

6.12.2.14 setIsCanceled()

```
void CSA::RouteLegEnd::setIsCanceled (
    bool isCanceled )
```

6.12.2.15 setIsNormalPlatform()

```
void CSA::RouteLegEnd::setIsNormalPlatform (
    bool isNormalPlatform )
```

6.12.2.16 setIsPassed()

```
void CSA::RouteLegEnd::setIsPassed (
    bool isPassed )
```

6.12.2.17 setOccupancyLevel()

```
void CSA::RouteLegEnd::setOccupancyLevel (
    const CSA::Vehicle::OccupancyLevel & occupancyLevel )
```

6.12.2.18 setPlatform()

```
void CSA::RouteLegEnd::setPlatform (
    const QString & platform )
```

6.12.2.19 setStation()

```
void CSA::RouteLegEnd::setStation (
    CSA::Station * station )
```

6.12.2.20 setTime()

```
void CSA::RouteLegEnd::setTime (
    const QDateTime & time )
```

6.12.2.21 setUri()

```
void CSA::RouteLegEnd::setUri (
    const QUrl & uri )
```

6.12.2.22 station()

```
CSA::Station * CSA::RouteLegEnd::station ( ) const
```

6.12.2.23 stationChanged

```
void CSA::RouteLegEnd::stationChanged ( ) [signal]
```

6.12.2.24 time()

```
QDateTime CSA::RouteLegEnd::time ( ) const
```

6.12.2.25 timeChanged

```
void CSA::RouteLegEnd::timeChanged ( ) [signal]
```

6.12.2.26 uri()

```
QUrl CSA::RouteLegEnd::uri ( ) const
```

6.12.2.27 uriChanged

```
void CSA::RouteLegEnd::uriChanged ( ) [signal]
```

6.12.3 Member Data Documentation

6.12.3.1 m_delay

```
qint16 CSA::RouteLegEnd::m_delay [private]
```

6.12.3.2 m_isCanceled

```
bool CSA::RouteLegEnd::m_isCanceled [private]
```

6.12.3.3 m_isNormalPlatform

```
bool CSA::RouteLegEnd::m_isNormalPlatform [private]
```

6.12.3.4 m_isPassed

```
bool CSA::RouteLegEnd::m_isPassed [private]
```

6.12.3.5 m_occupancyLevel

```
CSA::Vehicle::OccupancyLevel CSA::RouteLegEnd::m_occupancyLevel [private]
```

6.12.3.6 m_platform

```
QString CSA::RouteLegEnd::m_platform [private]
```

6.12.3.7 m_station

```
CSA::Station* CSA::RouteLegEnd::m_station [private]
```

6.12.3.8 m_time

```
QDateTime CSA::RouteLegEnd::m_time [private]
```

6.12.3.9 m_uri

```
QUrl CSA::RouteLegEnd::m_uri [private]
```

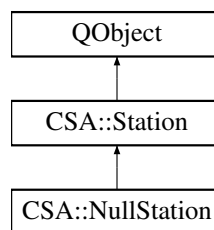
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csaroutelegend.h](#)
- [src/linkedconnections/csa/csaroutelegend.cpp](#)

6.13 CSA::Station Class Reference

```
#include <csastation.h>
```

Inheritance diagram for CSA::Station:



Public Types

- enum [Day](#) {
[Day::MONDAY](#), [Day::TUESDAY](#), [Day::WEDNESDAY](#), [Day::THURSDAY](#),
[Day::FRIDAY](#), [Day::SATURDAY](#), [Day::SUNDAY](#) }

Signals

- void [uriChanged](#) ()
- void [nameChanged](#) ()
- void [countryChanged](#) ()
- void [positionChanged](#) ()
- void [addressChanged](#) ()
- void [hasTicketVendingMachineChanged](#) ()
- void [hasLuggageLockersChanged](#) ()
- void [hasFreeParkingChanged](#) ()
- void [hasTaxiChanged](#) ()
- void [hasBicycleSpotsChanged](#) ()
- void [hasBlueBikeChanged](#) ()
- void [hasBusChanged](#) ()
- void [hasTramChanged](#) ()
- void [hasMetroChanged](#) ()
- void [hasWheelchairAvailableChanged](#) ()
- void [hasRampChanged](#) ()
- void [disabledParkingSpotsChanged](#) ()
- void [hasElevatedPlatformChanged](#) ()
- void [hasEscalatorUpChanged](#) ()
- void [hasEscalatorDownChanged](#) ()
- void [hasHearingAidSignalChanged](#) ()
- void [openingHoursChanged](#) ()
- void [averageStopTimesChanged](#) ()

Public Member Functions

- [Station](#) (QObject *parent=nullptr)
- [Station](#) (const QUrl &uri, const QMap< QLocale::Language, QString > &name, const QLocale::Country &country, const QGeoCoordinate &position, const qreal &averageStopTimes, QObject *parent=nullptr)
- [Station](#) (const QUrl &uri, const QMap< QLocale::Language, QString > &name, const QLocale::Country &country, const QGeoCoordinate &position, const QGeoAddress &address, const bool &hasTicketVendingMachine, const bool &hasLuggageLockers, const bool &hasFreeParking, const bool &hasTaxi, const bool &hasBicycleSpots, const bool &hasBlueBike, const bool &hasBus, const bool &hasTram, const bool &hasMetro, const bool &hasWheelchairAvailable, const bool &hasRamp, const qint16 &disabledParkingSpots, const bool &hasElevatedPlatform, const bool &hasEscalatorUp, const bool &hasEscalatorDown, const bool &hasElevatorPlatform, const bool &hasHearingAidSignal, const QMap< CSA::Station::Day, QPair< QTime, QTime >> &openingHours, const qreal &averageStopTimes, QObject *parent=nullptr)
- QUrl [uri](#) () const
- void [setUri](#) (const QUrl &uri)
- QMap< QLocale::Language, QString > [name](#) () const
- void [setName](#) (const QMap< QLocale::Language, QString > &name)
- QLocale::Country [country](#) () const
- void [setCountry](#) (const QLocale::Country &country)
- QGeoCoordinate [position](#) () const
- void [setPosition](#) (const QGeoCoordinate &position)
- QGeoAddress [address](#) () const
- void [setAddress](#) (const QGeoAddress &address)
- bool [hasTicketVendingMachine](#) () const
- void [setHasTicketVendingMachine](#) (const bool &hasTicketVendingMachine)
- bool [hasLuggageLockers](#) () const
- void [setHasLuggageLockers](#) (const bool &hasLuggageLockers)
- bool [hasFreeParking](#) () const
- void [setHasFreeParking](#) (const bool &hasFreeParking)
- bool [hasTaxi](#) () const
- void [setHasTaxi](#) (const bool &hasTaxi)
- bool [hasBicycleSpots](#) () const
- void [setHasBicycleSpots](#) (const bool &hasBicycleSpots)
- bool [hasBlueBike](#) () const
- void [setHasBlueBike](#) (const bool &hasBlueBike)
- bool [hasBus](#) () const
- void [setHasBus](#) (const bool &hasBus)
- bool [hasTram](#) () const
- void [setHasTram](#) (const bool &hasTram)
- bool [hasMetro](#) () const
- void [setHasMetro](#) (const bool &hasMetro)
- bool [hasWheelchairAvailable](#) () const
- void [setHasWheelchairAvailable](#) (const bool &hasWheelchairAvailable)
- bool [hasRamp](#) () const
- void [setHasRamp](#) (const bool &hasRamp)
- qint16 [disabledParkingSpots](#) () const
- void [setDisabledParkingSpots](#) (const qint16 &disabledParkingSpots)
- bool [hasElevatedPlatform](#) () const
- void [setHasElevatedPlatform](#) (const bool &hasElevatedPlatform)
- bool [hasEscalatorUp](#) () const
- void [setHasEscalatorUp](#) (const bool &hasEscalatorUp)
- bool [hasEscalatorDown](#) () const
- void [setHasEscalatorDown](#) (const bool &hasEscalatorDown)
- bool [hasElevatorPlatform](#) () const

- void [setHasElevatorPlatform](#) (const bool &[hasElevatorPlatform](#))
- bool [hasHearingAidSignal](#) () const
- void [setHasHearingAidSignal](#) (const bool &[hasHearingAidSignal](#))
- QMap< [CSA::Station::Day](#), QPair< QTime, QTime > > [openingHours](#) () const
- void [setOpeningHours](#) (const QMap< [CSA::Station::Day](#), QPair< QTime, QTime > > &[openingHours](#))
- qreal [averageStopTimes](#) () const
- void [setAverageStopTimes](#) (const qreal &[averageStopTimes](#))

Private Attributes

- [QUrl](#) [m_uri](#)
- QMap< [QLocale::Language](#), [QString](#) > [m_name](#)
- [QLocale::Country](#) [m_country](#)
- [QGeoCoordinate](#) [m_position](#)
- [QGeoAddress](#) [m_address](#)
- bool [m_hasTicketVendingMachine](#)
- bool [m_hasLuggageLockers](#)
- bool [m_hasFreeParking](#)
- bool [m_hasTaxi](#)
- bool [m_hasBicycleSpots](#)
- bool [m_hasBlueBike](#)
- bool [m_hasBus](#)
- bool [m_hasTram](#)
- bool [m_hasMetro](#)
- bool [m_hasWheelchairAvailable](#)
- bool [m_hasRamp](#)
- [qint16](#) [m_disabledParkingSpots](#)
- bool [m_hasElevatedPlatform](#)
- bool [m_hasEscalatorUp](#)
- bool [m_hasEscalatorDown](#)
- bool [m_hasElevatorPlatform](#)
- bool [m_hasHearingAidSignal](#)
- QMap< [CSA::Station::Day](#), QPair< QTime, QTime > > [m_openingHours](#)
- qreal [m_averageStopTimes](#)

6.13.1 Member Enumeration Documentation

6.13.1.1 Day

```
enum CSA::Station::Day [strong]
```

Enumerator

MONDAY	
TUESDAY	
WEDNESDAY	
THURSDAY	
FRIDAY	
SATURDAY	
SUNDAY	

6.13.2 Constructor & Destructor Documentation

6.13.2.1 Station() [1/3]

```
CSA::Station::Station (
    QObject * parent = nullptr ) [explicit]
```

6.13.2.2 Station() [2/3]

```
CSA::Station::Station (
    const QUrl & uri,
    const QMap< QLocale::Language, QString > & name,
    const QLocale::Country & country,
    const QGeoCoordinate & position,
    const qreal & averageStopTimes,
    QObject * parent = nullptr ) [explicit]
```

6.13.2.3 Station() [3/3]

```
CSA::Station::Station (
    const QUrl & uri,
    const QMap< QLocale::Language, QString > & name,
    const QLocale::Country & country,
    const QGeoCoordinate & position,
    const QGeoAddress & address,
    const bool & hasTicketVendingMachine,
    const bool & hasLuggageLockers,
    const bool & hasFreeParking,
    const bool & hasTaxi,
    const bool & hasBicycleSpots,
    const bool & hasBlueBike,
    const bool & hasBus,
    const bool & hasTram,
    const bool & hasMetro,
    const bool & hasWheelchairAvailable,
    const bool & hasRamp,
    const qint16 & disabledParkingSpots,
    const bool & hasElevatedPlatform,
    const bool & hasEscalatorUp,
    const bool & hasEscalatorDown,
    const bool & hasElevatorPlatform,
    const bool & hasHearingAidSignal,
    const QMap< CSA::Station::Day, QPair< QTime, QTime >> & openingHours,
    const qreal & averageStopTimes,
    QObject * parent = nullptr ) [explicit]
```

6.13.3 Member Function Documentation

6.13.3.1 address()

```
QGeoAddress CSA::Station::address ( ) const
```

6.13.3.2 addressChanged

```
void CSA::Station::addressChanged ( ) [signal]
```

6.13.3.3 averageStopTimes()

```
qreal CSA::Station::averageStopTimes ( ) const
```

6.13.3.4 averageStopTimesChanged

```
void CSA::Station::averageStopTimesChanged ( ) [signal]
```

6.13.3.5 country()

```
QLocale::Country CSA::Station::country ( ) const
```

6.13.3.6 countryChanged

```
void CSA::Station::countryChanged ( ) [signal]
```

6.13.3.7 disabledParkingSpots()

```
qint16 CSA::Station::disabledParkingSpots ( ) const
```

6.13.3.8 disabledParkingSpotsChanged

```
void CSA::Station::disabledParkingSpotsChanged ( ) [signal]
```

6.13.3.9 hasBicycleSpots()

```
bool CSA::Station::hasBicycleSpots ( ) const
```

6.13.3.10 hasBicylceSpotsChanged

```
void CSA::Station::hasBicylceSpotsChanged ( ) [signal]
```

6.13.3.11 hasBlueBike()

```
bool CSA::Station::hasBlueBike ( ) const
```

6.13.3.12 hasBlueBikeChanged

```
void CSA::Station::hasBlueBikeChanged ( ) [signal]
```

6.13.3.13 hasBus()

```
bool CSA::Station::hasBus ( ) const
```

6.13.3.14 hasBusChanged

```
void CSA::Station::hasBusChanged ( ) [signal]
```

6.13.3.15 hasElevatedPlatform()

```
bool CSA::Station::hasElevatedPlatform ( ) const
```

6.13.3.16 hasElevatedPlatformChanged

```
void CSA::Station::hasElevatedPlatformChanged ( ) [signal]
```

6.13.3.17 hasElevatorPlatform()

```
bool CSA::Station::hasElevatorPlatform ( ) const
```

6.13.3.18 hasEscalatorDown()

```
bool CSA::Station::hasEscalatorDown ( ) const
```

6.13.3.19 hasEscalatorDownChanged

```
void CSA::Station::hasEscalatorDownChanged ( ) [signal]
```

6.13.3.20 hasEscalatorUp()

```
bool CSA::Station::hasEscalatorUp ( ) const
```

6.13.3.21 hasEscalatorUpChanged

```
void CSA::Station::hasEscalatorUpChanged ( ) [signal]
```

6.13.3.22 hasFreeParking()

```
bool CSA::Station::hasFreeParking ( ) const
```

6.13.3.23 hasFreeParkingChanged

```
void CSA::Station::hasFreeParkingChanged ( ) [signal]
```

6.13.3.24 hasHearingAidSignal()

```
bool CSA::Station::hasHearingAidSignal ( ) const
```

6.13.3.25 hasHearingAidSignalChanged

```
void CSA::Station::hasHearingAidSignalChanged ( ) [signal]
```

6.13.3.26 hasLuggageLockers()

```
bool CSA::Station::hasLuggageLockers ( ) const
```

6.13.3.27 hasLuggageLockersChanged

```
void CSA::Station::hasLuggageLockersChanged ( ) [signal]
```

6.13.3.28 hasMetro()

```
bool CSA::Station::hasMetro ( ) const
```

6.13.3.29 hasMetroChanged

```
void CSA::Station::hasMetroChanged ( ) [signal]
```

6.13.3.30 hasRamp()

```
bool CSA::Station::hasRamp ( ) const
```

6.13.3.31 hasRampChanged

```
void CSA::Station::hasRampChanged ( ) [signal]
```

6.13.3.32 hasTaxi()

```
bool CSA::Station::hasTaxi ( ) const
```

6.13.3.33 hasTaxiChanged

```
void CSA::Station::hasTaxiChanged ( ) [signal]
```

6.13.3.34 hasTicketVendingMachine()

```
bool CSA::Station::hasTicketVendingMachine ( ) const
```

6.13.3.35 hasTicketVendingMachineChanged

```
void CSA::Station::hasTicketVendingMachineChanged ( ) [signal]
```

6.13.3.36 hasTram()

```
bool CSA::Station::hasTram ( ) const
```

6.13.3.37 hasTramChanged

```
void CSA::Station::hasTramChanged ( ) [signal]
```

6.13.3.38 hasWheelchairAvailable()

```
bool CSA::Station::hasWheelchairAvailable ( ) const
```

6.13.3.39 hasWheelchairAvailableChanged

```
void CSA::Station::hasWheelchairAvailableChanged ( ) [signal]
```


6.13.3.40 name()

```
QMap< QLocale::Language, QString > CSA::Station::name ( ) const
```

6.13.3.41 nameChanged

```
void CSA::Station::nameChanged ( ) [signal]
```

6.13.3.42 openingHours()

```
QMap< CSA::Station::Day, QPair< QTime, QTime > > CSA::Station::openingHours ( ) const
```

6.13.3.43 openingHoursChanged

```
void CSA::Station::openingHoursChanged ( ) [signal]
```

6.13.3.44 position()

```
QGeoCoordinate CSA::Station::position ( ) const
```

6.13.3.45 positionChanged

```
void CSA::Station::positionChanged ( ) [signal]
```

6.13.3.46 setAddress()

```
void CSA::Station::setAddress (
    const QGeoAddress & address )
```

6.13.3.47 setAverageStopTimes()

```
void CSA::Station::setAverageStopTimes (
    const qreal & averageStopTimes )
```

6.13.3.48 setCountry()

```
void CSA::Station::setCountry (
    const QLocale::Country & country )
```

6.13.3.49 setDisabledParkingSpots()

```
void CSA::Station::setDisabledParkingSpots (
    const quint16 & disabledParkingSpots )
```

6.13.3.50 setHasBicycleSpots()

```
void CSA::Station::setHasBicycleSpots (
    const bool & hasBicycleSpots )
```

6.13.3.51 setHasBlueBike()

```
void CSA::Station::setHasBlueBike (
    const bool & hasBlueBike )
```

6.13.3.52 setHasBus()

```
void CSA::Station::setHasBus (
    const bool & hasBus )
```

6.13.3.53 setHasElevatedPlatform()

```
void CSA::Station::setHasElevatedPlatform (
    const bool & hasElevatedPlatform )
```

6.13.3.54 setHasElevatorPlatform()

```
void CSA::Station::setHasElevatorPlatform (
    const bool & hasElevatorPlatform )
```

6.13.3.55 setHasEscalatorDown()

```
void CSA::Station::setHasEscalatorDown (
    const bool & hasEscalatorDown )
```

6.13.3.56 setHasEscalatorUp()

```
void CSA::Station::setHasEscalatorUp (
    const bool & hasEscalatorUp )
```

6.13.3.57 setHasFreeParking()

```
void CSA::Station::setHasFreeParking (
    const bool & hasFreeParking )
```

6.13.3.58 setHasHearingAidSignal()

```
void CSA::Station::setHasHearingAidSignal (
    const bool & hasHearingAidSignal )
```

6.13.3.59 setHasLuggageLockers()

```
void CSA::Station::setHasLuggageLockers (
    const bool & hasLuggageLockers )
```

6.13.3.60 setHasMetro()

```
void CSA::Station::setHasMetro (
    const bool & hasMetro )
```

6.13.3.61 setHasRamp()

```
void CSA::Station::setHasRamp (
    const bool & hasRamp )
```

6.13.3.62 setHasTaxi()

```
void CSA::Station::setHasTaxi (
    const bool & hasTaxi )
```

6.13.3.63 setHasTicketVendingMachine()

```
void CSA::Station::setHasTicketVendingMachine (
    const bool & hasTicketVendingMachine )
```

6.13.3.64 setHasTram()

```
void CSA::Station::setHasTram (
    const bool & hasTram )
```

6.13.3.65 setHasWheelchairAvailable()

```
void CSA::Station::setHasWheelchairAvailable (
    const bool & hasWheelchairAvailable )
```

6.13.3.66 setName()

```
void CSA::Station::setName (
    const QMap< QLocale::Language, QString > & name )
```

6.13.3.67 setOpeningHours()

```
void CSA::Station::setOpeningHours (
    const QMap< CSA::Station::Day, QPair< QTime, QTime > > & openingHours )
```

6.13.3.68 setPosition()

```
void CSA::Station::setPosition (
    const QGeoCoordinate & position )
```

6.13.3.69 setUri()

```
void CSA::Station::setUri (
    const QUrl & uri )
```

6.13.3.70 uri()

```
QUrl CSA::Station::uri ( ) const
```

6.13.3.71 uriChanged

```
void CSA::Station::uriChanged ( ) [signal]
```

6.13.4 Member Data Documentation**6.13.4.1 m_address**

```
QGeoAddress CSA::Station::m_address [private]
```

6.13.4.2 m_averageStopTimes

```
qreal CSA::Station::m_averageStopTimes [private]
```

6.13.4.3 m_country

```
QLocale::Country CSA::Station::m_country [private]
```

6.13.4.4 m_disabledParkingSpots

```
qint16 CSA::Station::m_disabledParkingSpots [private]
```

6.13.4.5 m_hasBicycleSpots

```
bool CSA::Station::m_hasBicycleSpots [private]
```

6.13.4.6 m_hasBlueBike

```
bool CSA::Station::m_hasBlueBike [private]
```

6.13.4.7 m_hasBus

```
bool CSA::Station::m_hasBus [private]
```

6.13.4.8 m_hasElevatedPlatform

```
bool CSA::Station::m_hasElevatedPlatform [private]
```

6.13.4.9 m_hasElevatorPlatform

```
bool CSA::Station::m_hasElevatorPlatform [private]
```

6.13.4.10 m_hasEscalatorDown

```
bool CSA::Station::m_hasEscalatorDown [private]
```

6.13.4.11 m_hasEscalatorUp

```
bool CSA::Station::m_hasEscalatorUp [private]
```

6.13.4.12 m_hasFreeParking

```
bool CSA::Station::m_hasFreeParking [private]
```

6.13.4.13 m_hasHearingAidSignal

```
bool CSA::Station::m_hasHearingAidSignal [private]
```

6.13.4.14 m_hasLuggageLockers

```
bool CSA::Station::m_hasLuggageLockers [private]
```

6.13.4.15 m_hasMetro

```
bool CSA::Station::m_hasMetro [private]
```

6.13.4.16 m_hasRamp

```
bool CSA::Station::m_hasRamp [private]
```

6.13.4.17 m_hasTaxi

```
bool CSA::Station::m_hasTaxi [private]
```

6.13.4.18 m_hasTicketVendingMachine

```
bool CSA::Station::m_hasTicketVendingMachine [private]
```

6.13.4.19 m_hasTram

```
bool CSA::Station::m_hasTram [private]
```

6.13.4.20 m_hasWheelchairAvailable

```
bool CSA::Station::m_hasWheelchairAvailable [private]
```

6.13.4.21 m_name

```
QMap<QLocale::Language, QString> CSA::Station::m_name [private]
```

6.13.4.22 m_openingHours

```
QMap<CSA::Station::Day, QPair<QTime, QTime> > CSA::Station::m_openingHours [private]
```

6.13.4.23 m_position

```
QGeoCoordinate CSA::Station::m_position [private]
```

6.13.4.24 m_uri

```
QUrl CSA::Station::m_uri [private]
```

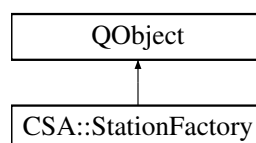
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csastation.h](#)
- [src/linkedconnections/csa/csastation.cpp](#)

6.14 CSA::StationFactory Class Reference

```
#include <csastationfactory.h>
```

Inheritance diagram for CSA::StationFactory:



Public Member Functions

- [Station](#) * [getStationByURI](#) (const [QUrl](#) &uri)

Static Public Member Functions

- static [StationFactory](#) * [getInstance](#) ([QObject](#) *parent=nullptr)

Private Member Functions

- bool [initDatabase](#) ()
- bool [insertStationWithFacilitiesIntoDatabase](#) (const [QStringList](#) &station, const [QStringList](#) &facilities)
- bool [insertStationWithoutFacilitiesIntoDatabase](#) (const [QStringList](#) &station)
- bool [insertStopIntoDatabase](#) (const [QStringList](#) &stop)
- [Database::Manager](#) * [db](#) () const
- void [setDb](#) ([Database::Manager](#) *db)
- [StationFactory](#) ([QObject](#) *parent)

Private Attributes

- [Database::Manager](#) * [m_db](#)

Static Private Attributes

- static [CSA::StationFactory](#) * [m_instance](#) = nullptr

6.14.1 Constructor & Destructor Documentation

6.14.1.1 StationFactory()

```
CSA::StationFactory::StationFactory (
    QObject * parent ) [explicit], [private]
```

6.14.2 Member Function Documentation

6.14.2.1 db()

```
Database::Manager * CSA::StationFactory::db ( ) const [private]
```

6.14.2.2 getInstance()

```
CSA::StationFactory * CSA::StationFactory::getInstance (
    QObject * parent = nullptr ) [static]
```

6.14.2.3 getStationByURI()

```
CSA::Station * CSA::StationFactory::getStationByURI (
    const QUrl & uri )
```

6.14.2.4 initDatabase()

```
bool CSA::StationFactory::initDatabase ( ) [private]
```

6.14.2.5 insertStationWithFacilitiesIntoDatabase()

```
bool CSA::StationFactory::insertStationWithFacilitiesIntoDatabase (
    const QStringList & station,
    const QStringList & facilities ) [private]
```

6.14.2.6 insertStationWithoutFacilitiesIntoDatabase()

```
bool CSA::StationFactory::insertStationWithoutFacilitiesIntoDatabase (
    const QStringList & station ) [private]
```

6.14.2.7 insertStopIntoDatabase()

```
bool CSA::StationFactory::insertStopIntoDatabase (
    const QStringList & stop ) [private]
```

6.14.2.8 setDb()

```
void CSA::StationFactory::setDb (
    Database::Manager * db ) [private]
```

6.14.3 Member Data Documentation

6.14.3.1 m_db

```
Database::Manager* CSA::StationFactory::m_db [private]
```

6.14.3.2 m_instance

```
CSA::StationFactory * CSA::StationFactory::m_instance = nullptr [static], [private]
```

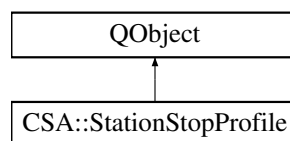
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csastationfactory.h](#)
- [src/linkedconnections/csa/csastationfactory.cpp](#)

6.15 CSA::StationStopProfile Class Reference

```
#include <csastationstopprofile.h>
```

Inheritance diagram for CSA::StationStopProfile:



Signals

- void [departureTimeChanged](#) ()
- void [arrivalTimeChanged](#) ()
- void [departureConnectionChanged](#) ()
- void [arrivalConnectionChanged](#) ()
- void [transfersChanged](#) ()

Public Member Functions

- [StationStopProfile](#) (const QDateTime &[departureTime](#), const QDateTime &[arrivalTime](#), [Fragments::Fragment](#) *[departureConnection](#), [Fragments::Fragment](#) *[arrivalConnection](#), const quint16 [transfers](#), QObject *parent=nullptr)
- QDateTime [departureTime](#) () const
- void [setDepartureTime](#) (const QDateTime &[departureTime](#))
- QDateTime [arrivalTime](#) () const
- void [setArrivalTime](#) (const QDateTime &[arrivalTime](#))
- [Fragments::Fragment](#) * [departureConnection](#) () const
- void [setDepartureConnection](#) ([Fragments::Fragment](#) *[departureConnection](#))
- [Fragments::Fragment](#) * [arrivalConnection](#) () const
- void [setArrivalConnection](#) ([Fragments::Fragment](#) *[arrivalConnection](#))
- quint16 [transfers](#) () const
- void [setTransfers](#) (const quint16 &[transfers](#))

Private Attributes

- QDateTime [m_departureTime](#)
- QDateTime [m_arrivalTime](#)
- [Fragments::Fragment](#) * [m_departureConnection](#)
- [Fragments::Fragment](#) * [m_arrivalConnection](#)
- quint16 [m_transfers](#)

6.15.1 Constructor & Destructor Documentation

6.15.1.1 StationStopProfile()

```
CSA::StationStopProfile::StationStopProfile (
    const QDateTime & departureTime,
    const QDateTime & arrivalTime,
    Fragments::Fragment * departureConnection,
    Fragments::Fragment * arrivalConnection,
    const quint16 transfers,
    QObject * parent = nullptr ) [explicit]
```

6.15.2 Member Function Documentation

6.15.2.1 arrivalConnection()

```
Fragments::Fragment * CSA::StationStopProfile::arrivalConnection ( ) const
```

6.15.2.2 arrivalConnectionChanged

```
void CSA::StationStopProfile::arrivalConnectionChanged ( ) [signal]
```

6.15.2.3 arrivalTime()

```
QDateTime CSA::StationStopProfile::arrivalTime ( ) const
```

6.15.2.4 arrivalTimeChanged

```
void CSA::StationStopProfile::arrivalTimeChanged ( ) [signal]
```

6.15.2.5 departureConnection()

```
Fragments::Fragment * CSA::StationStopProfile::departureConnection ( ) const
```

6.15.2.6 departureConnectionChanged

```
void CSA::StationStopProfile::departureConnectionChanged ( ) [signal]
```

6.15.2.7 departureTime()

```
QDateTime CSA::StationStopProfile::departureTime ( ) const
```

6.15.2.8 departureTimeChanged

```
void CSA::StationStopProfile::departureTimeChanged ( ) [signal]
```

6.15.2.9 setArrivalConnection()

```
void CSA::StationStopProfile::setArrivalConnection (
    Fragments::Fragment * arrivalConnection )
```

6.15.2.10 setArrivalTime()

```
void CSA::StationStopProfile::setArrivalTime (
    const QDateTime & arrivalTime )
```

6.15.2.11 setDepartureConnection()

```
void CSA::StationStopProfile::setDepartureConnection (
    Fragments::Fragment * departureConnection )
```

6.15.2.12 setDepartureTime()

```
void CSA::StationStopProfile::setDepartureTime (
    const QDateTime & departureTime )
```

6.15.2.13 setTransfers()

```
void CSA::StationStopProfile::setTransfers (
    const quint16 & transfers )
```

6.15.2.14 transfers()

```
quint16 CSA::StationStopProfile::transfers ( ) const
```

6.15.2.15 transfersChanged

```
void CSA::StationStopProfile::transfersChanged ( ) [signal]
```

6.15.3 Member Data Documentation

6.15.3.1 m_arrivalConnection

```
Fragments::Fragment* CSA::StationStopProfile::m_arrivalConnection [private]
```

6.15.3.2 m_arrivalTime

```
QDateTime CSA::StationStopProfile::m_arrivalTime [private]
```

6.15.3.3 m_departureConnection

```
Fragments::Fragment* CSA::StationStopProfile::m_departureConnection [private]
```

6.15.3.4 m_departureTime

```
QDateTime CSA::StationStopProfile::m_departureTime [private]
```

6.15.3.5 m_transfers

```
qint16 CSA::StationStopProfile::m_transfers [private]
```

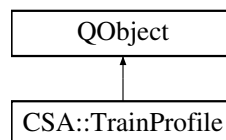
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csastationstopprofile.h](#)
- [src/linkedconnections/csa/csastationstopprofile.cpp](#)

6.16 CSA::TrainProfile Class Reference

```
#include <csatrainprofile.h>
```

Inheritance diagram for CSA::TrainProfile:



Signals

- void [arrivalTimeChanged](#) ()
- void [arrivalConnectionChanged](#) ()
- void [transfersChanged](#) ()

Public Member Functions

- [TrainProfile](#) (const QDateTime &[arrivalTime](#), [Fragments::Fragment](#) *[arrivalConnection](#), const qint16 [transfers](#), QObject *parent=nullptr)
- QDateTime [arrivalTime](#) () const
- void [setArrivalTime](#) (const QDateTime &[arrivalTime](#))
- [Fragments::Fragment](#) * [arrivalConnection](#) () const
- void [setArrivalConnection](#) ([Fragments::Fragment](#) *[arrivalConnection](#))
- qint16 [transfers](#) () const
- void [setTransfers](#) (const qint16 &[transfers](#))

Private Attributes

- QDateTime [m_arrivalTime](#)
- [Fragments::Fragment](#) * [m_arrivalConnection](#)
- quint16 [m_transfers](#)

6.16.1 Constructor & Destructor Documentation

6.16.1.1 TrainProfile()

```
CSA::TrainProfile::TrainProfile (
    const QDateTime & arrivalTime,
    Fragments::Fragment * arrivalConnection,
    const quint16 transfers,
    QObject * parent = nullptr ) [explicit]
```

6.16.2 Member Function Documentation

6.16.2.1 arrivalConnection()

```
Fragments::Fragment * CSA::TrainProfile::arrivalConnection ( ) const
```

6.16.2.2 arrivalConnectionChanged

```
void CSA::TrainProfile::arrivalConnectionChanged ( ) [signal]
```

6.16.2.3 arrivalTime()

```
QDateTime CSA::TrainProfile::arrivalTime ( ) const
```

6.16.2.4 arrivalTimeChanged

```
void CSA::TrainProfile::arrivalTimeChanged ( ) [signal]
```


6.16.2.5 setArrivalConnection()

```
void CSA::TrainProfile::setArrivalConnection (
    Fragments::Fragment * arrivalConnection )
```

6.16.2.6 setArrivalTime()

```
void CSA::TrainProfile::setArrivalTime (
    const QDateTime & arrivalTime )
```

6.16.2.7 setTransfers()

```
void CSA::TrainProfile::setTransfers (
    const quint16 & transfers )
```

6.16.2.8 transfers()

```
quint16 CSA::TrainProfile::transfers ( ) const
```

6.16.2.9 transfersChanged

```
void CSA::TrainProfile::transfersChanged ( ) [signal]
```

6.16.3 Member Data Documentation

6.16.3.1 m_arrivalConnection

```
Fragments::Fragment* CSA::TrainProfile::m_arrivalConnection [private]
```

6.16.3.2 m_arrivalTime

```
QDateTime CSA::TrainProfile::m_arrivalTime [private]
```

6.16.3.3 m_transfers

```
qint16 CSA::TrainProfile::m_transfers [private]
```

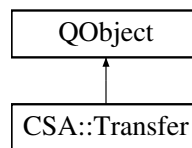
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csatrainprofile.h](#)
- [src/linkedconnections/csa/csatrainprofile.cpp](#)

6.17 CSA::Transfer Class Reference

```
#include <csatransfer.h>
```

Inheritance diagram for CSA::Transfer:



Public Types

- enum [Type](#) { [Type::ARRIVAL](#), [Type::DEPARTURE](#), [Type::TRANSFER](#), [Type::INVALID](#) }

Signals

- void [departureLegChanged](#) ()
- void [arrivalLegChanged](#) ()
- void [departureChanged](#) ()
- void [arrivalChanged](#) ()
- void [typeChanged](#) ()

Public Member Functions

- [Transfer](#) ([CSA::RouteLeg](#) *departureLeg=nullptr, [CSA::RouteLeg](#) *arrivalLeg=nullptr, [QObject](#) *parent=nullptr)
- [CSA::RouteLeg](#) * [departureLeg](#) () const
- void [setDepartureLeg](#) ([CSA::RouteLeg](#) *departureLeg)
- [CSA::RouteLeg](#) * [arrivalLeg](#) () const
- void [setArrivalLeg](#) ([CSA::RouteLeg](#) *arrivalLeg)
- [CSA::RouteLegEnd](#) * [departure](#) () const
- void [setDeparture](#) ([CSA::RouteLegEnd](#) *departure)
- [CSA::RouteLegEnd](#) * [arrival](#) () const
- void [setArrival](#) ([CSA::RouteLegEnd](#) *arrival)
- [CSA::Transfer::Type](#) [type](#) () const
- void [setType](#) (const [CSA::Transfer::Type](#) &type)
- [QUrl](#) [uri](#) () const
- [CSA::Station](#) * [station](#) () const
- [QDateTime](#) [time](#) () const
- [qint16](#) [delay](#) () const
- [QDateTime](#) [delayedTime](#) () const
- [QString](#) [platform](#) () const
- bool [isCanceled](#) () const
- bool [isNormalPlatform](#) () const
- bool [isPassed](#) () const
- [CSA::Vehicle::OccupancyLevel](#) [occupancyLevel](#) () const

Private Attributes

- [CSA::RouteLeg](#) * [m_departureLeg](#)
- [CSA::RouteLeg](#) * [m_arrivalLeg](#)
- [CSA::RouteLegEnd](#) * [m_departure](#)
- [CSA::RouteLegEnd](#) * [m_arrival](#)
- [CSA::Transfer::Type](#) [m_type](#)

6.17.1 Member Enumeration Documentation

6.17.1.1 Type

```
enum CSA::Transfer::Type [strong]
```

Enumerator

ARRIVAL	
DEPARTURE	
TRANSFER	
INVALID	

6.17.2 Constructor & Destructor Documentation

6.17.2.1 Transfer()

```
CSA::Transfer::Transfer (  
    CSA::RouteLeg * departureLeg = nullptr,  
    CSA::RouteLeg * arrivalLeg = nullptr,  
    QObject * parent = nullptr ) [explicit]
```

6.17.3 Member Function Documentation

6.17.3.1 arrival()

```
CSA::RouteLegEnd * CSA::Transfer::arrival ( ) const
```

6.17.3.2 arrivalChanged

```
void CSA::Transfer::arrivalChanged ( ) [signal]
```

6.17.3.3 arrivalLeg()

```
CSA::RouteLeg * CSA::Transfer::arrivalLeg ( ) const
```

6.17.3.4 arrivalLegChanged

```
void CSA::Transfer::arrivalLegChanged ( ) [signal]
```

6.17.3.5 delay()

```
qint16 CSA::Transfer::delay ( ) const
```

6.17.3.6 delayedTime()

```
QDateTime CSA::Transfer::delayedTime ( ) const
```

6.17.3.7 departure()

```
CSA::RouteLegEnd * CSA::Transfer::departure ( ) const
```

6.17.3.8 departureChanged

```
void CSA::Transfer::departureChanged ( ) [signal]
```

6.17.3.9 departureLeg()

```
CSA::RouteLeg * CSA::Transfer::departureLeg ( ) const
```

6.17.3.10 departureLegChanged

```
void CSA::Transfer::departureLegChanged ( ) [signal]
```

6.17.3.11 isCanceled()

```
bool CSA::Transfer::isCanceled ( ) const
```

6.17.3.12 isNormalPlatform()

```
bool CSA::Transfer::isNormalPlatform ( ) const
```

6.17.3.13 isPassed()

```
bool CSA::Transfer::isPassed ( ) const
```

6.17.3.14 occupancyLevel()

```
CSA::Vehicle::OccupancyLevel CSA::Transfer::occupancyLevel ( ) const
```

6.17.3.15 platform()

```
QString CSA::Transfer::platform ( ) const
```

6.17.3.16 setArrival()

```
void CSA::Transfer::setArrival (
    CSA::RouteLegEnd * arrival )
```

6.17.3.17 setArrivalLeg()

```
void CSA::Transfer::setArrivalLeg (
    CSA::RouteLeg * arrivalLeg )
```

6.17.3.18 setDeparture()

```
void CSA::Transfer::setDeparture (
    CSA::RouteLegEnd * departure )
```

6.17.3.19 setDepartureLeg()

```
void CSA::Transfer::setDepartureLeg (
    CSA::RouteLeg * departureLeg )
```

6.17.3.20 setType()

```
void CSA::Transfer::setType (
    const CSA::Transfer::Type & type )
```

6.17.3.21 station()

```
CSA::Station * CSA::Transfer::station ( ) const
```

6.17.3.22 time()

```
QDateTime CSA::Transfer::time ( ) const
```

6.17.3.23 type()

```
CSA::Transfer::Type CSA::Transfer::type ( ) const
```

6.17.3.24 typeChanged

```
void CSA::Transfer::typeChanged ( ) [signal]
```

6.17.3.25 uri()

```
QUrl CSA::Transfer::uri ( ) const
```

6.17.4 Member Data Documentation

6.17.4.1 m_arrival

```
CSA::RouteLegEnd* CSA::Transfer::m_arrival [private]
```

6.17.4.2 m_arrivalLeg

```
CSA::RouteLeg* CSA::Transfer::m_arrivalLeg [private]
```

6.17.4.3 m_departure

```
CSA::RouteLegEnd* CSA::Transfer::m_departure [private]
```

6.17.4.4 m_departureLeg

```
CSA::RouteLeg* CSA::Transfer::m_departureLeg [private]
```

6.17.4.5 m_type

```
CSA::Transfer::Type CSA::Transfer::m_type [private]
```

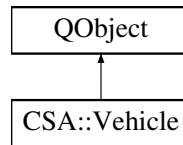
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csatransfer.h](#)
- [src/linkedconnections/csa/csatransfer.cpp](#)

6.18 CSA::Vehicle Class Reference

```
#include <csavehicle.h>
```

Inheritance diagram for CSA::Vehicle:



Public Types

- enum [OccupancyLevel](#) {
 [OccupancyLevel::UNSUPPORTED](#), [OccupancyLevel::UNKNOWN](#), [OccupancyLevel::LOW](#), [OccupancyLevel::MEDIUM](#),
 [OccupancyLevel::HIGH](#) }

Signals

- void [uriChanged](#) ()
- void [idChanged](#) ()
- void [headsignChanged](#) ()

Public Member Functions

- [Vehicle](#) (const [QUrl](#) &[uri](#), const [QUrl](#) &[id](#), const [QString](#) &[headsign](#), [QObject](#) *parent=nullptr)
- [QUrl](#) [uri](#) () const
- void [setUri](#) (const [QUrl](#) &[uri](#))
- [QUrl](#) [id](#) () const
- void [setId](#) (const [QUrl](#) &[id](#))
- [QString](#) [headsign](#) () const
- void [setHeadsign](#) (const [QString](#) &[headsign](#))

Private Attributes

- [QUrl](#) [m_uri](#)
- [QUrl](#) [m_id](#)
- [QString](#) [m_headsign](#)

6.18.1 Member Enumeration Documentation

6.18.1.1 OccupancyLevel

```
enum CSA::Vehicle::OccupancyLevel [strong]
```


Enumerator

UNSUPPORTED	
UNKNOWN	
LOW	
MEDIUM	
HIGH	

6.18.2 Constructor & Destructor Documentation

6.18.2.1 Vehicle()

```
CSA::Vehicle::Vehicle (
    const QUrl & uri,
    const QUrl & id,
    const QString & headsign,
    QObject * parent = nullptr ) [explicit]
```

6.18.3 Member Function Documentation

6.18.3.1 headsign()

```
QString CSA::Vehicle::headsign ( ) const
```

6.18.3.2 headsignChanged

```
void CSA::Vehicle::headsignChanged ( ) [signal]
```

6.18.3.3 id()

```
QUrl CSA::Vehicle::id ( ) const
```

6.18.3.4 idChanged

```
void CSA::Vehicle::idChanged ( ) [signal]
```

6.18.3.5 setHeadsign()

```
void CSA::Vehicle::setHeadsign (
    const QString & headsign )
```

6.18.3.6 setId()

```
void CSA::Vehicle::setId (
    const QUrl & id )
```

6.18.3.7 setUri()

```
void CSA::Vehicle::setUri (
    const QUrl & uri )
```

6.18.3.8 uri()

```
QUrl CSA::Vehicle::uri ( ) const
```

6.18.3.9 uriChanged

```
void CSA::Vehicle::uriChanged ( ) [signal]
```

6.18.4 Member Data Documentation

6.18.4.1 m_headsign

```
QString CSA::Vehicle::m_headsign [private]
```

6.18.4.2 m_id

```
QUrl CSA::Vehicle::m_id [private]
```

6.18.4.3 m_uri

```
QUrl CSA::Vehicle::m_uri [private]
```

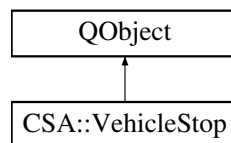
The documentation for this class was generated from the following files:

- [src/linkedconnections/csa/csavehicle.h](#)
- [src/linkedconnections/csa/csavehicle.cpp](#)

6.19 CSA::VehicleStop Class Reference

```
#include <csavehiclестop.h>
```

Inheritance diagram for CSA::VehicleStop:



Public Types

- enum [Type](#) { [Type::ARRIVAL](#), [Type::DEPARTURE](#), [Type::STOP](#) }

Signals

- void [vehicleInformationChanged](#) ()
- void [stationChanged](#) ()
- void [platformChanged](#) ()
- void [isPlatformNormalChanged](#) ()
- void [hasLeftChanged](#) ()
- void [departureTimeChanged](#) ()
- void [departureDelayChanged](#) ()
- void [departureCanceledChanged](#) ()
- void [arrivalTimeChanged](#) ()
- void [arrivalDelayChanged](#) ()
- void [arrivalCanceledChanged](#) ()
- void [departureURIChecked](#) ()
- void [occupancyLevelChanged](#) ()
- void [typeChanged](#) ()

Public Member Functions

- [VehicleStop](#) (QObject *parent=nullptr)
- [CSA::Vehicle * vehicleInformation](#) () const
- void [setVehicleInformation](#) ([CSA::Vehicle *vehicleInformation](#))
- [CSA::Station * station](#) () const
- void [setStation](#) ([CSA::Station *station](#))
- QString [platform](#) () const
- void [setPlatform](#) (const QString &[platform](#))
- bool [isPlatformNormal](#) () const
- void [setIsPlatformNormal](#) (bool [isPlatformNormal](#))
- bool [hasLeft](#) () const
- void [setHasLeft](#) (bool [hasLeft](#))
- QDateTime [departureTime](#) () const
- void [setDepartureTime](#) (const QDateTime &[departureTime](#))
- QDateTime [departureDelay](#) () const
- void [setDepartureDelay](#) (const QDateTime &[departureDelay](#))
- QDateTime [departureCanceled](#) () const
- void [setDepartureCanceled](#) (const QDateTime &[departureCanceled](#))
- QDateTime [arrivalTime](#) () const
- void [setArrivalTime](#) (const QDateTime &[arrivalTime](#))
- QDateTime [arrivalDelay](#) () const
- void [setArrivalDelay](#) (const QDateTime &[arrivalDelay](#))
- QDateTime [arrivalCanceled](#) () const
- void [setArrivalCanceled](#) (const QDateTime &[arrivalCanceled](#))
- QUrl [departureURI](#) () const
- void [setDepartureURI](#) (const QUrl &[departureURI](#))
- [CSA::Vehicle::OccupancyLevel occupancyLevel](#) () const
- void [setOccupancyLevel](#) (const [CSA::Vehicle::OccupancyLevel](#) &[occupancyLevel](#))
- [CSA::VehicleStop::Type type](#) () const
- void [setType](#) (const [CSA::VehicleStop::Type](#) &[type](#))

Private Attributes

- [CSA::Vehicle * m_vehicleInformation](#)
- [CSA::Station * m_station](#)
- QString [m_platform](#)
- bool [m_isPlatformNormal](#)
- bool [m_hasLeft](#)
- QDateTime [m_departureTime](#)
- QDateTime [m_departureDelay](#)
- QDateTime [m_departureCanceled](#)
- QDateTime [m_arrivalTime](#)
- QDateTime [m_arrivalDelay](#)
- QDateTime [m_arrivalCanceled](#)
- QUrl [m_departureURI](#)
- [CSA::Vehicle::OccupancyLevel m_occupancyLevel](#)
- [CSA::VehicleStop::Type m_type](#)

6.19.1 Member Enumeration Documentation

6.19.1.1 Type

```
enum CSA::VehicleStop::Type [strong]
```

Enumerator

ARRIVAL	
DEPARTURE	
STOP	

6.19.2 Constructor & Destructor Documentation

6.19.2.1 VehicleStop()

```
CSA::VehicleStop::VehicleStop (
    QObject * parent = nullptr ) [explicit]
```

6.19.3 Member Function Documentation

6.19.3.1 arrivalCanceled()

```
QDateTime CSA::VehicleStop::arrivalCanceled ( ) const
```

6.19.3.2 arrivalCanceledChanged

```
void CSA::VehicleStop::arrivalCanceledChanged ( ) [signal]
```

6.19.3.3 arrivalDelay()

```
QDateTime CSA::VehicleStop::arrivalDelay ( ) const
```

6.19.3.4 arrivalDelayChanged

```
void CSA::VehicleStop::arrivalDelayChanged ( ) [signal]
```

6.19.3.5 arrivalTime()

```
QDateTime CSA::VehicleStop::arrivalTime ( ) const
```

6.19.3.6 arrivalTimeChanged

```
void CSA::VehicleStop::arrivalTimeChanged ( ) [signal]
```

6.19.3.7 departureCanceled()

```
QDateTime CSA::VehicleStop::departureCanceled ( ) const
```

6.19.3.8 departureCanceledChanged

```
void CSA::VehicleStop::departureCanceledChanged ( ) [signal]
```

6.19.3.9 departureDelay()

```
QDateTime CSA::VehicleStop::departureDelay ( ) const
```

6.19.3.10 departureDelayChanged

```
void CSA::VehicleStop::departureDelayChanged ( ) [signal]
```

6.19.3.11 departureTime()

```
QDateTime CSA::VehicleStop::departureTime ( ) const
```

6.19.3.12 departureTimeChanged

```
void CSA::VehicleStop::departureTimeChanged ( ) [signal]
```

6.19.3.13 departureURI()

```
QUrl CSA::VehicleStop::departureURI ( ) const
```

6.19.3.14 departureURICHanged

```
void CSA::VehicleStop::departureURICHanged ( ) [signal]
```

6.19.3.15 hasLeft()

```
bool CSA::VehicleStop::hasLeft ( ) const
```

6.19.3.16 hasLeftChanged

```
void CSA::VehicleStop::hasLeftChanged ( ) [signal]
```

6.19.3.17 isPlatformNormal()

```
bool CSA::VehicleStop::isPlatformNormal ( ) const
```

6.19.3.18 isPlatformNormalChanged

```
void CSA::VehicleStop::isPlatformNormalChanged ( ) [signal]
```

6.19.3.19 occupancyLevel()

```
CSA::Vehicle::OccupancyLevel CSA::VehicleStop::occupancyLevel ( ) const
```

6.19.3.20 occupancyLevelChanged

```
void CSA::VehicleStop::occupancyLevelChanged ( ) [signal]
```

6.19.3.21 platform()

```
QString CSA::VehicleStop::platform ( ) const
```

6.19.3.22 platformChanged

```
void CSA::VehicleStop::platformChanged ( ) [signal]
```

6.19.3.23 setArrivalCanceled()

```
void CSA::VehicleStop::setArrivalCanceled (
    const QDateTime & arrivalCanceled )
```

6.19.3.24 setArrivalDelay()

```
void CSA::VehicleStop::setArrivalDelay (
    const QDateTime & arrivalDelay )
```

6.19.3.25 setArrivalTime()

```
void CSA::VehicleStop::setArrivalTime (
    const QDateTime & arrivalTime )
```

6.19.3.26 setDepartureCanceled()

```
void CSA::VehicleStop::setDepartureCanceled (
    const QDateTime & departureCanceled )
```

6.19.3.27 setDepartureDelay()

```
void CSA::VehicleStop::setDepartureDelay (
    const QDateTime & departureDelay )
```


6.19.3.28 setDepartureTime()

```
void CSA::VehicleStop::setDepartureTime (
    const QDateTime & departureTime )
```

6.19.3.29 setDepartureURI()

```
void CSA::VehicleStop::setDepartureURI (
    const QUrl & departureURI )
```

6.19.3.30 setHasLeft()

```
void CSA::VehicleStop::setHasLeft (
    bool hasLeft )
```

6.19.3.31 setIsPlatformNormal()

```
void CSA::VehicleStop::setIsPlatformNormal (
    bool isPlatformNormal )
```

6.19.3.32 setOccupancyLevel()

```
void CSA::VehicleStop::setOccupancyLevel (
    const CSA::Vehicle::OccupancyLevel & occupancyLevel )
```

6.19.3.33 setPlatform()

```
void CSA::VehicleStop::setPlatform (
    const QString & platform )
```

6.19.3.34 setStation()

```
void CSA::VehicleStop::setStation (
    CSA::Station * station )
```

6.19.3.35 setType()

```
void CSA::VehicleStop::setType (
    const CSA::VehicleStop::Type & type )
```

6.19.3.36 setVehicleInformation()

```
void CSA::VehicleStop::setVehicleInformation (
    CSA::Vehicle * vehicleInformation )
```

6.19.3.37 station()

```
CSA::Station * CSA::VehicleStop::station ( ) const
```

6.19.3.38 stationChanged

```
void CSA::VehicleStop::stationChanged ( ) [signal]
```

6.19.3.39 type()

```
CSA::VehicleStop::Type CSA::VehicleStop::type ( ) const
```

6.19.3.40 typeChanged

```
void CSA::VehicleStop::typeChanged ( ) [signal]
```

6.19.3.41 vehicleInformation()

```
CSA::Vehicle * CSA::VehicleStop::vehicleInformation ( ) const
```

6.19.3.42 vehicleInformationChanged

```
void CSA::VehicleStop::vehicleInformationChanged ( ) [signal]
```

6.19.4 Member Data Documentation

6.19.4.1 m_arrivalCanceled

```
QDateTime CSA::VehicleStop::m_arrivalCanceled [private]
```

6.19.4.2 m_arrivalDelay

```
QDateTime CSA::VehicleStop::m_arrivalDelay [private]
```

6.19.4.3 m_arrivalTime

```
QDateTime CSA::VehicleStop::m_arrivalTime [private]
```

6.19.4.4 m_departureCanceled

```
QDateTime CSA::VehicleStop::m_departureCanceled [private]
```

6.19.4.5 m_departureDelay

```
QDateTime CSA::VehicleStop::m_departureDelay [private]
```

6.19.4.6 m_departureTime

```
QDateTime CSA::VehicleStop::m_departureTime [private]
```

6.19.4.7 m_departureURI

`QUrl CSA::VehicleStop::m_departureURI [private]`

6.19.4.8 m_hasLeft

`bool CSA::VehicleStop::m_hasLeft [private]`

6.19.4.9 m_isPlatformNormal

`bool CSA::VehicleStop::m_isPlatformNormal [private]`

6.19.4.10 m_occupancyLevel

`CSA::Vehicle::OccupancyLevel CSA::VehicleStop::m_occupancyLevel [private]`

6.19.4.11 m_platform

`QString CSA::VehicleStop::m_platform [private]`

6.19.4.12 m_station

`CSA::Station* CSA::VehicleStop::m_station [private]`

6.19.4.13 m_type

`CSA::VehicleStop::Type CSA::VehicleStop::m_type [private]`

6.19.4.14 m_vehicleInformation

`CSA::Vehicle* CSA::VehicleStop::m_vehicleInformation [private]`

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

- [src/linkedconnections/csa/csavehiclestop.h](#)
- [src/linkedconnections/csa/csavehiclestop.cpp](#)

Chapter 7

File Documentation

7.1 src/database/databasemanager.cpp File Reference

Manager facade constructor.

```
#include "databasemanager.h"
```

Namespaces

- [Database](#)

7.1.1 Detailed Description

Manager facade constructor.

Gets the current QSqlDatabase database.

Sets the QSqlDatabase database.

Ends the transaction.

Starts the transaction.

Executes a given QSqlQuery.

Gets a [Database::Manager](#) instance.

Author

Dylan Van Assche

Date

20 Jul 2018

Parameters

<i>QObject</i>	*parent
<i>QString</i>	path

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

[Database::Manager](#) *manager

Author

Dylan Van Assche

Date

20 Jul 2018

Parameters

<i>QSqlQuery</i>	query
------------------	-------

Returns

bool success

Author

Dylan Van Assche

Date

9 Aug 2018

Returns

bool success

Author

Dylan Van Assche

Date

20 Jul 2018

Parameters

<i>const</i>	QSqlDatabase &database
--------------	------------------------

Author

Dylan Van Assche

Date

20 Jul 2018

Returns

QSqlDatabase database

7.2 src/database/databasemanager.h File Reference

```
#include <QtCore/QtGlobal>
#include <QtCore/QtDebug>
#include <QtCore/QObject>
#include <QtCore/QString>
#include <QtCore/QDir>
#include <QtSql/QSqlDatabase>
#include <QtSql/QSqlDriver>
#include <QtSql/QSqlError>
#include <QtSql/QSqlQuery>
```

Classes

- class [Database::Manager](#)

Namespaces

- [Database](#)

Macros

- `#define DRIVER "SQLITE"`

7.2.1 Macro Definition Documentation

7.2.1.1 DRIVER

```
#define DRIVER "SQLITE"
```

7.3 src/harbour-berail.cpp File Reference

```
#include <sailfishapp.h>
#include <QtCore/QScopedPointer>
#include <QtCore/QString>
#include <QtCore/QTranslator>
#include <QtGui/QGuiApplication>
#include <QtQuick/QQuickView>
#include <QtQml/QQmlEngine>
#include "logger.h"
#include "os.h"
#include "../tests/network/networkmanagertest.h"
#include "../tests/database/databasemanagertest.h"
#include "../tests/fragments/fragmentsfragmenttest.h"
#include "../tests/fragments/fragmentspagetest.h"
#include "../tests/fragments/fragmentsfactorytest.h"
#include "../tests/csa/csaplannertest.h"
```

Functions

- [int main](#) (int argc, char *argv[])

7.3.1 Function Documentation

7.3.1.1 main()

```
int main (
    int argc,
    char * argv[] )
```

7.4 src/linkedconnections/csa/csamessage.cpp File Reference

Message constructor: full.

```
#include "csamessage.h"
```

Namespaces

- [CSA](#)

7.4.1 Detailed Description

Message constructor: full.

Sets the link.

Gets the link.

Sets the lead.

Gets the lead.

Sets the description.

Gets the description.

Sets the header.

Gets the header.

Message constructor: minimum.

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QString &header
<i>const</i>	QString &description
<i>const</i>	QString &lead
<i>const</i>	QUrl &link
<i>QObject</i>	*parent

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QString &header
<i>const</i>	QString &description
<i>QObject</i>	*parent

Author

Dylan Van Assche

Date

09 Aug 2018

Returns

QString header

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QString &header
--------------	-----------------

Author

Dylan Van Assche

Date

09 Aug 2018

Returns

QString description

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QString &description
--------------	----------------------

Author

Dylan Van Assche

Date

09 Aug 2018

Returns

QString lead

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QString &lead
--------------	---------------

Author

Dylan Van Assche

Date

09 Aug 2018

Returns

QUrl link

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QUrl &link
--------------	------------

7.5 src/linkedconnections/csa/csamessage.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QString>
#include <QtCore/QString>
```

Classes

- class [CSA::Message](#)

Namespaces

- [CSA](#)

7.6 src/linkedconnections/csa/csanullstation.cpp File Reference

[CSA::NullStation](#) constructor.

```
#include "csanullstation.h"
```

Namespaces

- [CSA](#)

7.6.1 Detailed Description

[CSA::NullStation](#) constructor.

Gets a [CSA::NullStation](#) instance.

Author

Dylan Van Assche

Parameters

Date

09 Aug 2018

Parameters

<i>const</i>	QUrl &uri
<i>const</i>	QMap<QLocale::Language, QString> &name
<i>const</i>	QLocale::Country &country
<i>const</i>	QGeoCoordinate &position
<i>const</i>	QGeoAddress &address
<i>const</i>	bool &hasTicketVendingMachine
<i>const</i>	bool &hasLuggageLockers
<i>const</i>	bool &hasFreeParking
<i>const</i>	bool &hasTaxi
<i>const</i>	bool &hasBicycleSpots
<i>const</i>	bool &hasBus
<i>const</i>	bool &hasTram
<i>const</i>	bool &hasMetro
<i>const</i>	bool &hasWheelchairAvailable
<i>const</i>	bool &hasRamp
<i>const</i>	qint16 &disabledParkingSpots
<i>const</i>	bool &hasElevatedPlatform
<i>const</i>	bool &hasEscalatorUp
<i>const</i>	bool &hasEscalatorDown
<i>const</i>	bool &hasElevatorPlatform
<i>const</i>	bool &hasHearingAidSignal
<i>const</i>	QMap<CSA::Station::Day, QPair<QTime, QTime>> &openingHours
<i>const</i>	qreal &averageStopTimes
<i>QObject</i>	*parent

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>QObject</i>	*parent = nullptr
----------------	-------------------

Returns

CSA::NullStation *station

7.7 src/linkedconnections/csa/csanullstation.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QDebug>
#include <QtCore/QMap>
#include <QtCore/QLocale>
#include <QtCore/QTime>
#include <QtCore/QPair>
#include <QtPositioning/QGeoAddress>
#include <QtPositioning/QGeoCoordinate>
#include "csastation.h"
```

Classes

- class [CSA::NullStation](#)

Namespaces

- [CSA](#)

7.8 src/linkedconnections/csa/csaplanner.cpp File Reference

```
#include "csaplanner.h"
```

7.9 src/linkedconnections/csa/csaplanner.h File Reference

```
#include <QtCore/QtGlobal>
#include <QtCore/QObject>
#include <QtCore/QDateTime>
#include <QtCore/QList>
#include <QtCore/QLocale>
#include <QtCore/QPair>
#include <QtCore/QMap>
#include <QtCore/QMutex>
#include <QtCore/QMutexLocker>
#include <QtConcurrent/QtConcurrent>
#include <algorithm>
#include "../fragments/fragmentsfactory.h"
#include "csastationstopprofile.h"
#include "csatrainprofile.h"
#include "csaroute.h"
#include "csarouteleg.h"
#include "csaroutelegend.h"
#include "csatransfer.h"
#include "csamessage.h"
#include "csastation.h"
#include "csastationfactory.h"
```

Classes

- class [CSA::Planner](#)

Namespaces

- [CSA](#)

Macros

- `#define` [VERBOSE_PARAMETERS](#)
- `#define` [TRANSFER_EQUIVALENT_TRAVEL_TIME](#) 240
- `#define` [INTRA_STOP_FOOTPATH_TIME](#) 300
- `#define` [MAX_TRANSFER_TIME](#) 3600
- `#define` [MILLISECONDS_TO_SECONDS_MULTIPLIER](#) 1000
- `#define` [SECONDS_TO_HOURS_MULTIPLIER](#) 3600
- `#define` [MINIMUM_PROGRESS_INCREMENT](#) 1.0

7.9.1 Macro Definition Documentation

7.9.1.1 INTRA_STOP_FOOTPATH_TIME

```
#define INTRA_STOP_FOOTPATH_TIME 300
```

7.9.1.2 MAX_TRANSFER_TIME

```
#define MAX_TRANSFER_TIME 3600
```

7.9.1.3 MILLISECONDS_TO_SECONDS_MULTIPLIER

```
#define MILLISECONDS_TO_SECONDS_MULTIPLIER 1000
```

7.9.1.4 MINIMUM_PROGRESS_INCREMENT

```
#define MINIMUM_PROGRESS_INCREMENT 1.0
```

7.9.1.5 SECONDS_TO_HOURS_MULTIPLIER

```
#define SECONDS_TO_HOURS_MULTIPLIER 3600
```

7.9.1.6 TRANSFER_EQUIVALENT_TRAVEL_TIME

```
#define TRANSFER_EQUIVALENT_TRAVEL_TIME 240
```

7.9.1.7 VERBOSE_PARAMETERS

```
#define VERBOSE_PARAMETERS
```

7.10 src/linkedconnections/csa/csaroute.cpp File Reference

```
#include "csaroute.h"
```

7.11 src/linkedconnections/csa/csaroute.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QString>
#include "csarouteleg.h"
#include "csatransfer.h"
#include "csamessage.h"
```

Classes

- class [CSA::Route](#)

Namespaces

- [CSA](#)

7.12 src/linkedconnections/csa/csarouteleg.cpp File Reference

```
#include "csarouteleg.h"
```


7.13 src/linkedconnections/csa/csarouteleg.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QString>
#include <QtCore/QMetaType>
#include "csaroutelegend.h"
#include "csavehicle.h"
#include "csavehiclestop.h"
#include "csanullstation.h"
```

Classes

- class [CSA::RouteLeg](#)

Namespaces

- [CSA](#)

7.14 src/linkedconnections/csa/csaroutelegend.cpp File Reference

```
#include "csaroutelegend.h"
```

7.15 src/linkedconnections/csa/csaroutelegend.h File Reference

```
#include <QtCore/QtGlobal>
#include <QtCore/QObject>
#include <QtCore/QString>
#include <QtCore/QUrl>
#include <QtCore/QDateTime>
#include "csastation.h"
#include "csavehicle.h"
```

Classes

- class [CSA::RouteLegEnd](#)

Namespaces

- [CSA](#)

7.16 src/linkedconnections/csa/csastation.cpp File Reference

[CSA::Station](#) constructor: empty.

```
#include "csastation.h"
```

Namespaces

- [CSA](#)

7.16.1 Detailed Description

[CSA::Station](#) constructor: empty.

Sets the average stop times.

Gets the average stop times.

Sets the openingHours.

Sets the hasHearingAidSignal.

Gets the hasHearingAidSignal.

Sets the hasElevatorPlatform.

Gets the hasElevatorPlatform.

Sets the hasEscalatorDown.

Gets the hasEscalatorDown.

Sets the hasEscalatorUp.

Gets the hasEscalatorUp.

Sets the hasElevatedPlatform.

Gets the hasElevatedPlatform.

Sets the number of disabled parking spots.

Gets the number of disabled parking spots.

Sets the hasRamp.

Gets the hasRamp.

Sets the hasWheelchairAvailable.

Sets the hasMetro.

Gets the hasMetro.

Sets the hasTram.

Gets the hasTram.

Sets the hasBus.

Gets the hasBus.

Sets the hasBlueBike.

Gets the hasBlueBike.

Sets the hasBicycleSpots.

Gets the hasBicycleSpots.

Sets the hasTaxi.

Gets the hasTaxi.

Sets the hasFreeParking.

Gets the hasFreeParking.

Sets the hasLuggageLockers.

Gets the hasLuggageLockers.

Sets the hasTicketVendingMachine.

Gets the hasTicketVendingMachine.

Sets the address.

Gets the address.

Sets the position.

Gets the position.

Sets the country.

Gets the country.

Sets the name.

Gets the name.

Sets the URI.

Gets the URI.

[CSA::Station](#) constructor: full.

[CSA::Station](#) constructor: minimal.

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>QObject</i>	*parent
----------------	---------

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QUrl &uri
<i>const</i>	QMap<QLocale::Language, QString> &name
<i>const</i>	QLocale::Country &country
<i>const</i>	QGeoCoordinate &position
<i>const</i>	qreal &averageStopTimes
<i>QObject</i>	*parent

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QUrl &uri
<i>const</i>	QMap<QLocale::Language, QString> &name
<i>const</i>	QLocale::Country &country
<i>const</i>	QGeoCoordinate &position
<i>const</i>	QGeoAddress &address
<i>const</i>	bool &hasTicketVendingMachine
<i>const</i>	bool &hasLuggageLockers
<i>const</i>	bool &hasFreeParking
<i>const</i>	bool &hasTaxi
<i>const</i>	bool &hasBicyclSpots
<i>const</i>	bool &hasBus
<i>const</i>	bool &hasTram
<i>const</i>	bool &hasMetro
<i>const</i>	bool &hasWheelchairAvailable
<i>const</i>	bool &hasRamp
<i>const</i>	qint16 &disabledParkingSpots
<i>const</i>	bool &hasElevatedPlatform
<i>const</i>	bool &hasEscalatorUp

Parameters

<i>const</i>	bool &hasEscalatorDown
<i>const</i>	bool &hasElevatorPlatform
<i>const</i>	bool &hasHearingAidSignal
<i>const</i>	QMap< CSA::Station::Day , QPair<QTime, QTime>> &openingHours
<i>const</i>	qreal &averageStopTimes
<i>QObject</i>	*parent

Author

Dylan Van Assche

Date

09 Aug 2018

7.17 src/linkedconnections/csa/csastation.h File Reference

```
#include <QtCore/QtGlobal>
#include <QtCore/QObject>
#include <QtCore/QString>
#include <QtCore/QUrl>
#include <QtCore/QString>
#include <QtCore/QLocale>
#include <QtCore/QMap>
#include <QtCore/QTime>
#include <QtCore/QPair>
#include <QtCore/QMetaType>
#include <QtPositioning/QGeoCoordinate>
#include <QtPositioning/QGeoAddress>
```

Classes

- class [CSA::Station](#)

Namespaces

- [CSA](#)

7.18 src/linkedconnections/csa/csastationfactory.cpp File Reference

```
#include "csastationfactory.h"
```

7.19 src/linkedconnections/csa/csastationfactory.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QString>
#include <QtCore/QList>
#include <QtCore/QStringList>
#include <QtSql/QtSqlQuery>
#include "csastation.h"
#include "../database/databasemanager.h"
#include "../qtcsv/include/qtcsv/stringdata.h"
#include "../qtcsv/include/qtcsv/reader.h"
#include "../qtcsv/include/qtcsv/writer.h"
```

Classes

- class [CSA::StationFactory](#)

Namespaces

- [CSA](#)

Macros

- #define [DB_PATH](#) "/home/nemo/.local/share/harbour-berail/db/stations.db"

7.19.1 Macro Definition Documentation

7.19.1.1 DB_PATH

```
#define DB_PATH "/home/nemo/.local/share/harbour-berail/db/stations.db"
```

7.20 src/linkedconnections/csa/csastationstopprofile.cpp File Reference

Gets the departure time.

```
#include "csastationstopprofile.h"
```

7.20.1 Detailed Description

Gets the departure time.

Sets the number of transfers.

Gets the number of transfers.

Sets the arrival connection.

Gets the arrival connection.

Sets the departure connection.

Gets the departure connection.

Sets the arrivelt ime.

Gets the arrival time.

Sets the departure time.

Author

Dylan Van Assche

Date

27 Jul 2018

Returns

QDateTime departureTime

Gets the departure time in this stop.

Author

Dylan Van Assche

Date

27 Jul 2018

Parameters

<i>const</i>	QDateTime &departureTime
--------------	--------------------------

Sets the current departure time to the given QDateTime &departureTime. Emits the departureTimeChanged signal when changed.

Author

Dylan Van Assche

Date

27 Jul 2018

Returns

QDateTime arrivalTime

Gets the arrival time in this stop.

Author

Dylan Van Assche

Date

27 Jul 2018

Parameters

<i>const</i>	QDateTime &arrivalTime
--------------	------------------------

Sets the current arrival time to the given QDateTime &arrivalTime. Emits the arrivalTimeChanged signal when changed.

Author

Dylan Van Assche

Date

27 Jul 2018

Returns

Fragment *departureConnection

Gets the departure connection in this stop.

Author

Dylan Van Assche

Date

27 Jul 2018

Parameters

<i>const</i>	Fragment *departureConnection
--------------	-------------------------------

Sets the current departure connection to the given Fragment *departureConnection. Emits the departureConnectionChanged signal when changed.

Author

Dylan Van Assche

Date

27 Jul 2018

Returns

Fragment *arrivalConnection

Gets the arrival connection in this stop.

Author

Dylan Van Assche

Date

27 Jul 2018

Parameters

<i>const</i>	Fragment *arrivalConnection
--------------	-----------------------------

Sets the current arrival connection to the given Fragment *arrivalConnection. Emits the arrivalConnectionChanged signal when changed.

Author

Dylan Van Assche

Date

27 Jul 2018

Returns

qint16 transfers

Gets the number of transfers between this stop and the destination.

Author

Dylan Van Assche

Date

27 Jul 2018

Parameters

<i>const</i>	qint16 &transfers
--------------	-------------------

Sets the number of transfers between this stop and the destination to the given qint16 &transfers. Emits the transfersChanged signal when changed.

7.21 src/linkedconnections/csa/csastationstopprofile.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QDateTime>
#include "../fragments/fragmentsfragment.h"
```

Classes

- class [CSA::StationStopProfile](#)

Namespaces

- [CSA](#)

7.22 src/linkedconnections/csa/csatrainprofile.cpp File Reference

Gets the arrival time.

```
#include "csatrainprofile.h"
```

7.22.1 Detailed Description

Gets the arrival time.

Sets the number of transfers.

Gets the number of transfers.

Sets the arrival connection.

Gets the arrival connection.

Sets the arrival time.

Author

Dylan Van Assche

Date

27 Jul 2018

Returns

QDateTime arrivalTime

Gets the arrival time at the final destination.

Author

Dylan Van Assche

Date

27 Jul 2018

Parameters

<i>const</i>	QDateTime &arrivalTime
--------------	------------------------

Sets the arrival time at the final destination to the given QDateTime &arrivalTime.

Author

Dylan Van Assche

Date

27 Jul 2018

Returns

Fragment *arrivalConnection

Gets the arrival connection for the next transfer or arrival.

Author

Dylan Van Assche

Date

27 Jul 2018

Parameters

<i>Fragment</i>	*arrivalConnection
-----------------	--------------------

Sets the arrival connection for the next transfer or arrival to the given Fragment *arrivalConnection.

Author

Dylan Van Assche

Date

27 Jul 2018

Returns

qint16 transfers

Gets the number of transfers until the destination when hopping on this train

Author

Dylan Van Assche

Date

27 Jul 2018

Returns

qint16 transfers

Sets the number of transfers until the destination when hopping on this train to the given qint16 &transfers.

7.23 src/linkedconnections/csa/csatrainingprofile.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QDateTime>
#include "../fragments/fragmentsfragment.h"
```

Classes

- class [CSA::TrainProfile](#)

Namespaces

- [CSA](#)

7.24 src/linkedconnections/csa/csatransfer.cpp File Reference

```
#include "csatransfer.h"
```

7.25 src/linkedconnections/csa/csatransfer.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QMetaType>
#include <QtCore/QDebug>
#include "csarouteleg.h"
#include "csaroutelegend.h"
```

Classes

- class [CSA::Transfer](#)

Namespaces

- [CSA](#)

7.26 src/linkedconnections/csa/csavehicle.cpp File Reference

```
#include "csavehicle.h"
```

7.27 src/linkedconnections/csa/csavevehicle.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QUrl>
#include <QtCore/QString>
#include <QtCore/QMetaType>
```

Classes

- class [CSA::Vehicle](#)

Namespaces

- [CSA](#)

7.28 src/linkedconnections/csa/csavevehiclestop.cpp File Reference

```
#include "csavevehiclestop.h"
```

7.29 src/linkedconnections/csa/csavevehiclestop.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QString>
#include <QtCore/QDateTime>
#include <QtCore/QUrl>
#include <QtCore/QMetaType>
#include "csavevehicle.h"
#include "csastation.h"
```

Classes

- class [CSA::VehicleStop](#)

Namespaces

- [CSA](#)

7.30 src/linkedconnections/fragments/fragmentsfactory.cpp File Reference

[Fragments::Factory](#) constructor: empty.

```
#include "fragmentsfactory.h"
```

Namespaces

- [Fragments](#)

7.30.1 Detailed Description

[Fragments::Factory](#) constructor: empty.

Sets the [Network::Manager](#) instance.

Gets the [Network::Manager](#) instance.

Processes the network reply.

Validates JSON-LD data.

Parses the JSON-LD fragment.

Requests the page by URI from the network.

Requests a page by departure time.

Requests a page by URI.

Gets a [Fragments::Factory](#) instance.

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>QObject</i>	*parent = nullptr
----------------	-------------------

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>QObject</i>	*parent = nullptr
----------------	-------------------

Returns

Fragment::Factory *factory

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QUrl &uri
--------------	-----------

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QDateTime &departureTime
--------------	--------------------------

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QJsonObject &connection
--------------	-------------------------

Returns

[Fragments::Fragment](#) *frag;

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>const</i>	QJsonObject &data
<i>const</i>	QStringList &properties

Returns

bool &valid

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

<i>QNetworkReply</i>	*reply
----------------------	--------

Author

Dylan Van Assche

Date

09 Aug 2018

Returns

const [Network::Manager](#) *manager

Author

Dylan Van Assche

Date

09 Aug 2018

Parameters

Network::Manager	*http
----------------------------------	-------

7.31 src/linkedconnections/fragments/fragmentsfactory.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QJsonDocument>
#include <QtCore/QJsonParseError>
#include <QtCore/QJsonObject>
#include <QtCore/QJsonArray>
#include <QtCore/QRegularExpression>
#include <QtCore/QDebug>
#include "fragmentsfragment.h"
#include "fragmentspage.h"
#include "../../network/networkmanager.h"
```

Classes

- class [Fragments::Factory](#)

Namespaces

- [Fragments](#)

Macros

- #define [BASE_URL](#) "https://graph.irail.be/sncb/connections"

7.31.1 Macro Definition Documentation

7.31.1.1 BASE_URL

```
#define BASE_URL "https://graph.irail.be/sncb/connections"
```

7.32 src/linkedconnections/fragments/fragmentsfragment.cpp File Reference

Fragment constructor: empty.

```
#include "fragmentsfragment.h"
```

Namespaces

- [Fragments](#)

7.32.1 Detailed Description

Fragment constructor: empty.

Sets the direction of the linked connection fragment.

Gets the direction of the linked connection fragment.

Sets the route URI of the linked connection fragment.

Gets the route URI of the linked connection fragment.

Sets the trip URI of the linked connection fragment.

Gets the trip URI of the linked connection fragment.

Gets the delayed arrival time of the linked connection fragment.

Gets the delayed departure time of the linked connection fragment.

Sets the arrival delay of the linked connection fragment.

Gets the arrival delay of the linked connection fragment.

Sets the departure delay of the linked connection fragment.

Gets the departure delay of the linked connection fragment.

Sets the arrival time of the linked connection fragment.

Gets the arrival time of the linked connection fragment.

Sets the departure time of the linked connection fragment.

Gets the departure time of the linked connection fragment.

Sets the arrival station URI of the linked connection fragment.

Gets the arrival station URI of the linked connection fragment.

Sets the departure station URI of the linked connection fragment.

Gets the departure station URI of the linked connection fragment.

Sets the URI of the linked connection fragment.

Gets the URI of the linked connection fragment.

Fragment constructor: arrival and departure.

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>QObject</i>	*parent = nullptr
----------------	-------------------

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QUrl &uri
<i>const</i>	QUrl &departureStationURI
<i>const</i>	QUrl &arrivalStationURI
<i>const</i>	QDateTime &departureTime
<i>const</i>	QDateTime &arrivalTime
<i>const</i>	qint16 &departureDelay
<i>const</i>	qint16 &arrivalDelay
<i>const</i>	QUrl &tripURI
<i>const</i>	QUrl &routeURI
<i>const</i>	QString &direction
<i>QObject</i>	*parent = nullptr

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

const QUrl URI

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QUrl &URI
--------------	-----------

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

const QUrl departureStationURI

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QUrl &departureStationURI
--------------	---------------------------

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

const QUrl arrivalStationURI

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QUrl &arrivalStationURI
--------------	-------------------------

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

const QDateTime departureTime

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QDateTime &departureTime
--------------	--------------------------

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

const QDateTime arrivalTime

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QDateTime &arrivalTime
--------------	------------------------

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

const qint16 departureDelay

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QDateTime &departureDelay
--------------	---------------------------

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

const qint16 arrivalDelay

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QDateTime &arrival
--------------	--------------------

Author

Dylan Van Assche

Date

30 Jul 2018

Returns

const QDateTime departureDelayedTime

Author

Dylan Van Assche

Date

30 Jul 2018

Returns

const QDateTime arrivalDelayedTime

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

const QUrl tripURI

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QUrl &tripURI
--------------	---------------

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

const QUrl routeURI

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QUrl &routeURI
--------------	----------------

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

const QString direction

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QString &direction
--------------	--------------------

7.33 src/linkedconnections/fragments/fragmentsfragment.h File Reference

```
#include <QtCore/QtGlobal>
#include <QtCore/QObject>
#include <QtCore/QString>
#include <QtCore/QDateTime>
#include <QtCore/QString>
```

Classes

- class [Fragments::Fragment](#)

Namespaces

- [Fragments](#)

7.34 src/linkedconnections/fragments/fragmentpage.cpp File Reference

Page constructor: empty.

```
#include "fragmentpage.h"
```

Namespaces

- [Fragments](#)

7.34.1 Detailed Description

Page constructor: empty.

Sets the list of fragments associated with this page.

Gets the list of fragments associated with this page.

Sets the URI of the linked connection previous page.

Gets the URI of the previous linked connection page.

Sets the URI of the linked connection next page.

Gets the URI of the next linked connection page.

Sets the timestamp of the linked connection fragment.

Gets the timestamp of the linked connection page.

Sets the URI of the linked connection page.

Gets the URI of the linked connection page.

Page constructor: page with the next and previous URIs.

Author

Dylan Van Assche

Date

24 Jul 2018

Parameters

<i>QObject</i>	*parent = nullptr
----------------	-------------------

Author

Dylan Van Assche

Date

24 Jul 2018

Parameters

<i>const</i>	QUrl &uri
<i>const</i>	QDateTime ×tamp
<i>const</i>	QUrl &hydraNext
<i>const</i>	QUrl &hydraPrevious
<i>QObject</i>	*parent = nullptr

Author

Dylan Van Assche

Date

24 Jul 2018

Returns

const QUrl URI

Author

Dylan Van Assche

Date

24 Jul 2018

Parameters

<i>const</i>	QUrl &URI
--------------	-----------

Author

Dylan Van Assche

Date

24 Jul 2018

Returns

const QDateTime timestamp

Author

Dylan Van Assche

Date

24 Jul 2018

Parameters

<i>const</i>	QDateTime ×tamp
--------------	----------------------

Author

Dylan Van Assche

Date

24 Jul 2018

Parameters

<i>const</i>	QUrl &hydraPrevious
--------------	---------------------

Author

Dylan Van Assche

Date

27 Jul 2018

Returns

const QList<Fragment *> fragments

Author

Dylan Van Assche

Date

27 Jul 2018

Parameters

<i>const</i>	QList<Fragment *> &fragments
--------------	------------------------------

7.35 src/linkedconnections/fragments/fragmentpage.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QString>
#include <QtCore/QDateTime>
#include <QtCore/QList>
#include "fragmentsfragment.h"
```

Classes

- class [Fragments::Page](#)

Namespaces

- [Fragments](#)

7.36 src/logger.cpp File Reference

```
#include "logger.h"
```

Functions

- bool [enableLogger](#) (bool enabled)
- void [handler](#) (QtMsgType type, const QMessageLogContext &context, const QString &msg)

7.36.1 Function Documentation

7.36.1.1 enableLogger()

```
bool enableLogger (
    bool enabled )
```

7.36.1.2 handler()

```
void handler (
    QtMsgType type,
    const QMessageLogContext & context,
    const QString & msg )
```

7.37 src/logger.h File Reference

```
#include <QtGlobal>
#include <QtDebug>
#include <QtCore/QCoreApplication>
#include <QtCore/QString>
#include <QtCore/QStringStream>
#include <QtCore/QDebug>
#include <QtCore/QDateTime>
#include <QtCore/QFile>
#include <QtCore/QDir>
#include <QtCore/QIODevice>
#include "os.h"
```

Macros

- #define [LINE_LENGTH](#) 100

Functions

- void [handler](#) (QtMsgType type, const QMessageLogContext &context, const QString &msg)
- bool [enableLogger](#) (bool enabled)

Variables

- static bool [clearLog](#) = true
- static QString [name](#)
- static QString [version](#)
- static QString [compileDate](#)
- static QString [compileTime](#)
- static QString [logpath](#)

7.37.1 Macro Definition Documentation

7.37.1.1 LINE_LENGTH

```
#define LINE_LENGTH 100
```

7.37.2 Function Documentation

7.37.2.1 enableLogger()

```
bool enableLogger (
    bool enabled )
```

7.37.2.2 handler()

```
void handler (
    QtMsgType type,
    const QMessageLogContext & context,
    const QString & msg )
```

7.37.3 Variable Documentation

7.37.3.1 clearLog

```
bool clearLog = true [static]
```

7.37.3.2 compileDate

```
QString compileDate [static]
```

7.37.3.3 compileTime

```
QString compileTime [static]
```

7.37.3.4 logpath

```
QString logpath [static]
```

7.37.3.5 name

```
QString name [static]
```

7.37.3.6 version

```
QString version [static]
```

7.38 src/network/networkmanager.cpp File Reference

[Network::Manager](#) facade constructor.

```
#include "networkmanager.h"
```

Namespaces

- [Network](#)

7.38.1 Detailed Description

[Network::Manager](#) facade constructor.

Sets the QNAM cache instance.

Gets the QNAM cache instance.

Sets the QNAM instance.

Gets the QNAM instance.

Sets the current accept header.

Get the current accept header.

Sets the current user agent.

Gets the current user agent.

Prepare the HTTP request.

Head a resource.

Delete a resource.

Post to a resource.

Get a resource.

Get a [Network::Manager](#) instance.

Author

Dylan Van Assche

Date

17 Jul 2018

Author

Dylan Van Assche

Date

9 Aug 2018

Parameters

<i>QObject</i>	*parent = nullptr
----------------	-------------------

Returns

[Network::Manager](#) *manager

Author

Dylan Van Assche

Date

17 Jul 2018

Parameters

<i>const</i>	QUrl &url
--------------	-----------

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>const</i>	QUrl &url
--------------	-----------

Author

Dylan Van Assche

Date

17 Jul 2018

Parameters

<i>const</i>	QUrl &url
--------------	-----------

Returns

QNetworkRequest request

Author

Dylan Van Assche

Date

17 Jul 2018

Returns

const QString userAgent

Author

Dylan Van Assche

Date

17 Jul 2018

Parameters

<i>const</i>	QString &userAgent
--------------	--------------------

Author

Dylan Van Assche

Date

17 Jul 2018

Returns

const QString acceptHeader

Author

Dylan Van Assche

Date

17 Jul 2018

Parameters

<i>const</i>	QString &acceptHeader
--------------	-----------------------

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

QNetworkAccessManager *QNAM

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>QNetworkAccessManager</i>	*value
------------------------------	--------

Author

Dylan Van Assche

Date

21 Jul 2018

Returns

QAbstractNetworkCache *cache

Author

Dylan Van Assche

Date

21 Jul 2018

Parameters

<i>QAbstractNetworkCache</i>	*cache
------------------------------	--------

7.39 src/network/networkmanager.h File Reference

```
#include <QtCore/QObject>
```

```
#include <QtCore/QString>
#include <QtCore/QList>
#include <QtCore/QString>
#include <QtCore/QUrlQuery>
#include <QtNetwork/QNetworkAccessManager>
#include <QtNetwork/QNetworkRequest>
#include <QtNetwork/QNetworkReply>
#include <QtNetwork/QNetworkConfigurationManager>
#include <QtNetwork/QSslError>
#include <QtNetwork/QAbstractNetworkCache>
#include <QtNetwork/QNetworkDiskCache>
```

Classes

- class [Network::Manager](#)

Namespaces

- [Network](#)

7.40 src/os.cpp File Reference

```
#include "os.h"
```

7.41 src/os.h File Reference

```
#include <sailfishapp/sailfishapp.h>
#include <QtGui/QGuiApplication>
#include <nemonotifications-qt5/notification.h>
#include <QtCore/QtGlobal>
#include <QtCore/QDir>
#include <QtCore/QString>
#include <QtCore/QStringList>
#include <QtCore/QList>
#include <QtCore/QPair>
#include <QtCore/QFile>
#include <QtCore/QIODevice>
#include <QtCore/QTextStream>
#include <QtCore/QStandardPaths>
#include <QtCore/QDebug>
```

Classes

- class [OS](#)

Macros

- `#define` [MAX_BODY_LENGTH](#) 100
- `#define` [MAX_PREVIEW_LENGTH](#) 40

7.41.1 Macro Definition Documentation

7.41.1.1 MAX_BODY_LENGTH

```
#define MAX_BODY_LENGTH 100
```

7.41.1.2 MAX_PREVIEW_LENGTH

```
#define MAX_PREVIEW_LENGTH 40
```

Index

- acceptHeader
 - Network::Manager, [33](#)
- acceptHeaderChanged
 - Network::Manager, [33](#)
- address
 - CSA::Station, [88](#)
- addressChanged
 - CSA::Station, [88](#)
- appName
 - OS, [47](#), [52](#)
- appNameChanged
 - OS, [47](#)
- appNamePretty
 - OS, [47](#), [52](#)
- appNamePrettyChanged
 - OS, [48](#)
- appVersion
 - OS, [48](#), [52](#)
- appVersionChanged
 - OS, [48](#)
- arrival
 - CSA::RouteLeg, [74](#)
 - CSA::Transfer, [111](#)
- arrivalCanceled
 - CSA::VehicleStop, [121](#)
- arrivalCanceledChanged
 - CSA::VehicleStop, [121](#)
- arrivalChanged
 - CSA::RouteLeg, [74](#)
 - CSA::Transfer, [111](#)
- arrivalConnection
 - CSA::StationStopProfile, [104](#)
 - CSA::TrainProfile, [108](#)
- arrivalConnectionChanged
 - CSA::StationStopProfile, [104](#)
 - CSA::TrainProfile, [108](#)
- arrivalDelay
 - CSA::Route, [67](#)
 - CSA::VehicleStop, [121](#)
 - Fragments::Fragment, [26](#)
- arrivalDelayChanged
 - CSA::VehicleStop, [121](#)
 - Fragments::Fragment, [26](#)
- arrivalDelayedTime
 - CSA::Route, [67](#)
 - Fragments::Fragment, [26](#)
- arrivalLeg
 - CSA::Transfer, [112](#)
- arrivalLegChanged
 - CSA::Transfer, [112](#)
- arrivalPlatform
 - CSA::Route, [67](#)
- arrivalStation
 - CSA::Route, [67](#)
- arrivalStationURIChecked
 - Fragments::Fragment, [27](#)
- arrivalStationURI
 - CSA::Planner, [59](#)
 - Fragments::Fragment, [26](#)
- arrivalTime
 - CSA::Planner, [59](#)
 - CSA::Route, [67](#)
 - CSA::StationStopProfile, [104](#)
 - CSA::TrainProfile, [108](#)
 - CSA::VehicleStop, [121](#)
 - Fragments::Fragment, [27](#)
- arrivalTimeChanged
 - CSA::StationStopProfile, [104](#)
 - CSA::TrainProfile, [108](#)
 - CSA::VehicleStop, [122](#)
 - Fragments::Fragment, [27](#)
- averageStopTimes
 - CSA::Station, [88](#)
- averageStopTimesChanged
 - CSA::Station, [88](#)
- BASE_URL
 - fragmentsfactory.h, [158](#)
- CSA::Message, [40](#)
 - description, [41](#)
 - descriptionChanged, [41](#)
 - header, [41](#)
 - headerChanged, [41](#)
 - lead, [42](#)
 - leadChanged, [42](#)
 - link, [42](#)
 - linkChanged, [42](#)
 - m_description, [43](#)
 - m_header, [43](#)
 - m_lead, [43](#)
 - m_link, [43](#)
 - Message, [41](#)
 - setDescription, [42](#)
 - setHeader, [42](#)
 - setLead, [42](#)
 - setLink, [43](#)
- CSA::NullStation, [44](#)
 - getInstance, [45](#)

- m_instance, [45](#)
 - NullStation, [44](#)
- CSA::Planner, [57](#)
 - arrivalStationURI, [59](#)
 - arrivalTime, [59](#)
 - calculateArrivalTime, [59](#)
 - departureStationURI, [59](#)
 - departureTime, [59](#)
 - error, [60](#)
 - Factory, [60](#)
 - getConnections, [60](#)
 - getFirstReachableConnection, [60](#)
 - getInstance, [60](#)
 - m_SArray, [64](#)
 - m_TArray, [65](#)
 - m_arrivalStationURI, [63](#)
 - m_arrivalTime, [63](#)
 - m_departureStationURI, [64](#)
 - m_departureTime, [64](#)
 - m_instance, [64](#)
 - m_linkedConnectionFactory, [64](#)
 - m_maxTransfers, [64](#)
 - m_routes, [64](#)
 - m_stationFactory, [64](#)
 - maxTransfers, [60](#)
 - pageProgress, [60](#)
 - pageReceived, [61](#)
 - pageRequested, [61](#)
 - planPage, [61](#)
 - Planner, [59](#)
 - routes, [61](#)
 - routesFound, [61](#)
 - SArray, [61](#)
 - setArrivalStationURI, [62](#)
 - setArrivalTime, [62](#)
 - setDepartureStationURI, [62](#)
 - setDepartureTime, [62](#)
 - setFactory, [62](#)
 - setMaxTransfers, [62](#)
 - setRoutes, [62](#)
 - setSArray, [63](#)
 - setStationFactory, [63](#)
 - setTArray, [63](#)
 - stationFactory, [63](#)
 - syncThreadMutex, [65](#)
 - TArray, [63](#)
- CSA::Route, [65](#)
 - arrivalDelay, [67](#)
 - arrivalDelayedTime, [67](#)
 - arrivalPlatform, [67](#)
 - arrivalStation, [67](#)
 - arrivalTime, [67](#)
 - departureDelay, [68](#)
 - departureDelayedTime, [68](#)
 - departurePlatform, [68](#)
 - departureStation, [68](#)
 - departureTime, [68](#)
 - duration, [68](#)
 - durationWithDelays, [68](#)
 - isArrivalPlatformNormal, [68](#)
 - isDeparturePlatformNormal, [69](#)
 - isPartiallyCanceled, [69](#)
 - legs, [69](#)
 - legsChanged, [69](#)
 - m_legs, [71](#)
 - m_remarks, [71](#)
 - m_transfers, [71](#)
 - m_tripAlerts, [72](#)
 - m_vehicleAlerts, [72](#)
 - remarks, [69](#)
 - remarksChanged, [69](#)
 - Route, [66](#), [67](#)
 - setLegs, [69](#)
 - setRemarks, [69](#)
 - setTransfers, [70](#)
 - setTripAlerts, [70](#)
 - setVehicleAlerts, [70](#)
 - stationCount, [70](#)
 - transferCount, [70](#)
 - transfers, [70](#)
 - transfersChanged, [70](#)
 - tripAlerts, [71](#)
 - tripAlertsChanged, [71](#)
 - vehicleAlerts, [71](#)
 - vehicleAlertsChanged, [71](#)
- CSA::RouteLeg, [72](#)
 - arrival, [74](#)
 - arrivalChanged, [74](#)
 - departure, [74](#)
 - departureChanged, [74](#)
 - intermediaryStops, [74](#)
 - intermediaryStopsChanged, [74](#)
 - m_arrival, [76](#)
 - m_departure, [76](#)
 - m_intermediaryStops, [77](#)
 - m_type, [77](#)
 - m_vehicleInformation, [77](#)
 - RouteLeg, [73](#)
 - setArrival, [75](#)
 - setDeparture, [75](#)
 - setIntermediaryStops, [75](#)
 - setType, [75](#)
 - setVehicleInformation, [75](#)
 - station, [75](#)
 - stationChanged, [75](#)
 - stopsChanged, [76](#)
 - Type, [73](#)
 - type, [76](#)
 - typeChanged, [76](#)
 - vehicleInformation, [76](#)
 - vehicleInformationChanged, [76](#)
- CSA::RouteLegEnd, [77](#)
 - delay, [79](#)
 - delayChanged, [79](#)
 - isCanceled, [79](#)
 - isCanceledChanged, [79](#)

- isNormalPlatform, 79
- isNormalPlatformChanged, 79
- isPassed, 79
- isPassedChanged, 79
- m_delay, 82
- m_isCanceled, 82
- m_isNormalPlatform, 83
- m_isPassed, 83
- m_occupancyLevel, 83
- m_platform, 83
- m_station, 83
- m_time, 83
- m_uri, 83
- occupancyLevel, 80
- occupancyLevelChanged, 80
- platform, 80
- platformChanged, 80
- RouteLegEnd, 78
- setDelay, 80
- setIsCanceled, 80
- setIsNormalPlatform, 80
- setIsPassed, 81
- setOccupancyLevel, 81
- setPlatform, 81
- setStation, 81
- setTime, 81
- setUri, 81
- station, 81
- stationChanged, 82
- time, 82
- timeChanged, 82
- uri, 82
- uriChanged, 82
- CSA::Station, 84
 - address, 88
 - addressChanged, 88
 - averageStopTimes, 88
 - averageStopTimesChanged, 88
 - country, 88
 - countryChanged, 88
 - Day, 86
 - disabledParkingSpots, 88
 - disabledParkingSpotsChanged, 88
 - hasBicycleSpots, 89
 - hasBicycleSpotsChanged, 89
 - hasBlueBike, 89
 - hasBlueBikeChanged, 89
 - hasBus, 89
 - hasBusChanged, 89
 - hasElevatedPlatform, 89
 - hasElevatedPlatformChanged, 89
 - hasElevatorPlatform, 90
 - hasEscalatorDown, 90
 - hasEscalatorDownChanged, 90
 - hasEscalatorUp, 90
 - hasEscalatorUpChanged, 90
 - hasFreeParking, 90
 - hasFreeParkingChanged, 90
 - hasHearingAidSignal, 90
 - hasHearingAidSignalChanged, 91
 - hasLuggageLockers, 91
 - hasLuggageLockersChanged, 91
 - hasMetro, 91
 - hasMetroChanged, 91
 - hasRamp, 91
 - hasRampChanged, 91
 - hasTaxi, 91
 - hasTaxiChanged, 92
 - hasTicketVendingMachine, 92
 - hasTicketVendingMachineChanged, 92
 - hasTram, 92
 - hasTramChanged, 92
 - hasWheelchairAvailable, 92
 - hasWheelchairAvailableChanged, 92
 - m_address, 97
 - m_averageStopTimes, 97
 - m_country, 97
 - m_disabledParkingSpots, 97
 - m_hasBicycleSpots, 98
 - m_hasBlueBike, 98
 - m_hasBus, 98
 - m_hasElevatedPlatform, 98
 - m_hasElevatorPlatform, 98
 - m_hasEscalatorDown, 98
 - m_hasEscalatorUp, 98
 - m_hasFreeParking, 98
 - m_hasHearingAidSignal, 99
 - m_hasLuggageLockers, 99
 - m_hasMetro, 99
 - m_hasRamp, 99
 - m_hasTaxi, 99
 - m_hasTicketVendingMachine, 99
 - m_hasTram, 99
 - m_hasWheelchairAvailable, 99
 - m_name, 100
 - m_openingHours, 100
 - m_position, 100
 - m_uri, 100
 - name, 92
 - nameChanged, 93
 - openingHours, 93
 - openingHoursChanged, 93
 - position, 93
 - positionChanged, 93
 - setAddress, 93
 - setAverageStopTimes, 93
 - setCountry, 94
 - setDisabledParkingSpots, 94
 - setHasBicycleSpots, 94
 - setHasBlueBike, 94
 - setHasBus, 94
 - setHasElevatedPlatform, 94
 - setHasElevatorPlatform, 94
 - setHasEscalatorDown, 95
 - setHasEscalatorUp, 95
 - setHasFreeParking, 95

- setHasHearingAidSignal, 95
 - setHasLuggageLockers, 95
 - setHasMetro, 95
 - setHasRamp, 95
 - setHasTaxi, 96
 - setHasTicketVendingMachine, 96
 - setHasTram, 96
 - setHasWheelchairAvailable, 96
 - setName, 96
 - setOpeningHours, 96
 - setPosition, 96
 - setUri, 97
 - Station, 87
 - uri, 97
 - uriChanged, 97
- CSA::StationFactory, 100
 - db, 101
 - getInstance, 101
 - getStationByURI, 102
 - initDatabase, 102
 - insertStationWithFacilitiesIntoDatabase, 102
 - insertStationWithoutFacilitiesIntoDatabase, 102
 - insertStopIntoDatabase, 102
 - m_db, 103
 - m_instance, 103
 - setDb, 102
 - StationFactory, 101
- CSA::StationStopProfile, 103
 - arrivalConnection, 104
 - arrivalConnectionChanged, 104
 - arrivalTime, 104
 - arrivalTimeChanged, 104
 - departureConnection, 105
 - departureConnectionChanged, 105
 - departureTime, 105
 - departureTimeChanged, 105
 - m_arrivalConnection, 106
 - m_arrivalTime, 106
 - m_departureConnection, 106
 - m_departureTime, 107
 - m_transfers, 107
 - setArrivalConnection, 105
 - setArrivalTime, 105
 - setDepartureConnection, 105
 - setDepartureTime, 106
 - setTransfers, 106
 - StationStopProfile, 104
 - transfers, 106
 - transfersChanged, 106
- CSA::TrainProfile, 107
 - arrivalConnection, 108
 - arrivalConnectionChanged, 108
 - arrivalTime, 108
 - arrivalTimeChanged, 108
 - m_arrivalConnection, 109
 - m_arrivalTime, 109
 - m_transfers, 109
 - setArrivalConnection, 108
 - setArrivalTime, 109
 - setTransfers, 109
 - TrainProfile, 108
 - transfers, 109
 - transfersChanged, 109
- CSA::Transfer, 110
 - arrival, 111
 - arrivalChanged, 111
 - arrivalLeg, 112
 - arrivalLegChanged, 112
 - delay, 112
 - delayedTime, 112
 - departure, 112
 - departureChanged, 112
 - departureLeg, 112
 - departureLegChanged, 112
 - isCanceled, 113
 - isNormalPlatform, 113
 - isPassed, 113
 - m_arrival, 115
 - m_arrivalLeg, 115
 - m_departure, 115
 - m_departureLeg, 115
 - m_type, 115
 - occupancyLevel, 113
 - platform, 113
 - setArrival, 113
 - setArrivalLeg, 113
 - setDeparture, 114
 - setDepartureLeg, 114
 - setType, 114
 - station, 114
 - time, 114
 - Transfer, 111
 - Type, 111
 - type, 114
 - typeChanged, 114
 - uri, 115
- CSA::Vehicle, 116
 - headsign, 117
 - headsignChanged, 117
 - id, 117
 - idChanged, 117
 - m_headsign, 118
 - m_id, 118
 - m_uri, 119
 - OccupancyLevel, 116
 - setHeadsign, 118
 - setId, 118
 - setUri, 118
 - uri, 118
 - uriChanged, 118
 - Vehicle, 117
- CSA::VehicleStop, 119
 - arrivalCanceled, 121
 - arrivalCanceledChanged, 121
 - arrivalDelay, 121
 - arrivalDelayChanged, 121

- arrivalTime, 121
- arrivalTimeChanged, 122
- departureCanceled, 122
- departureCanceledChanged, 122
- departureDelay, 122
- departureDelayChanged, 122
- departureTime, 122
- departureTimeChanged, 122
- departureURIChecked, 123
- departureURI, 122
- hasLeft, 123
- hasLeftChanged, 123
- isPlatformNormal, 123
- isPlatformNormalChanged, 123
- m_arrivalCanceled, 127
- m_arrivalDelay, 127
- m_arrivalTime, 127
- m_departureCanceled, 127
- m_departureDelay, 127
- m_departureTime, 127
- m_departureURI, 127
- m_hasLeft, 128
- m_isPlatformNormal, 128
- m_occupancyLevel, 128
- m_platform, 128
- m_station, 128
- m_type, 128
- m_vehicleInformation, 128
- occupancyLevel, 123
- occupancyLevelChanged, 123
- platform, 123
- platformChanged, 124
- setArrivalCanceled, 124
- setArrivalDelay, 124
- setArrivalTime, 124
- setDepartureCanceled, 124
- setDepartureDelay, 124
- setDepartureTime, 124
- setDepartureURI, 125
- setHasLeft, 125
- setIsPlatformNormal, 125
- setOccupancyLevel, 125
- setPlatform, 125
- setStation, 125
- setType, 125
- setVehicleInformation, 126
- station, 126
- stationChanged, 126
- Type, 120
- type, 126
- typeChanged, 126
- vehicleInformation, 126
- vehicleInformationChanged, 126
- VehicleStop, 121
- CSA, 9
- cache
 - Network::Manager, 34
- cacheLocation
 - OS, 48
- calculateArrivalTime
 - CSA::Planner, 59
- clearLog
 - logger.h, 171
- closeNotificationAll
 - OS, 48
- closeNotificationByCategory
 - OS, 48
- closeNotificationByReplacesId
 - OS, 48
- compileDate
 - logger.h, 171
- compileTime
 - logger.h, 171
- configLocation
 - OS, 49
- country
 - CSA::Station, 88
- countryChanged
 - CSA::Station, 88
- createNotification
 - OS, 49
- createToaster
 - OS, 49
- csaplanner.h
 - INTRA_STOP_FOOTPATH_TIME, 139
 - MAX_TRANSFER_TIME, 139
 - MILLISECONDS_TO_SECONDS_MULTIPLIER, 139
 - MINIMUM_PROGRESS_INCREMENT, 139
 - SECONDS_TO_HOURS_MULTIPLIER, 139
 - TRANSFER_EQUIVALENT_TRAVEL_TIME, 140
 - VERBOSE_PARAMETERS, 140
- csastationfactory.h
 - DB_PATH, 146
- DB_PATH
 - csastationfactory.h, 146
- DRIVER
 - databasemanager.h, 131
- dataLocation
 - OS, 49
- Database, 16
- database
 - Database::Manager, 38
- Database::Manager, 37
 - database, 38
 - endTransaction, 38
 - execute, 39
 - getInstance, 39
 - m_database, 39
 - m_instance, 39
 - Manager, 38
 - setDatabase, 39
 - startTransaction, 39
- databasemanager.h
 - DRIVER, 131
- Day

- CSA::Station, [86](#)
- db
 - CSA::StationFactory, [101](#)
- delay
 - CSA::RouteLegEnd, [79](#)
 - CSA::Transfer, [112](#)
- delayChanged
 - CSA::RouteLegEnd, [79](#)
- delayedTime
 - CSA::Transfer, [112](#)
- deleteResource
 - Network::Manager, [34](#)
- departure
 - CSA::RouteLeg, [74](#)
 - CSA::Transfer, [112](#)
- departureCanceled
 - CSA::VehicleStop, [122](#)
- departureCanceledChanged
 - CSA::VehicleStop, [122](#)
- departureChanged
 - CSA::RouteLeg, [74](#)
 - CSA::Transfer, [112](#)
- departureConnection
 - CSA::StationStopProfile, [105](#)
- departureConnectionChanged
 - CSA::StationStopProfile, [105](#)
- departureDelay
 - CSA::Route, [68](#)
 - CSA::VehicleStop, [122](#)
 - Fragments::Fragment, [27](#)
- departureDelayChanged
 - CSA::VehicleStop, [122](#)
 - Fragments::Fragment, [27](#)
- departureDelayedTime
 - CSA::Route, [68](#)
 - Fragments::Fragment, [27](#)
- departureLeg
 - CSA::Transfer, [112](#)
- departureLegChanged
 - CSA::Transfer, [112](#)
- departurePlatform
 - CSA::Route, [68](#)
- departureStation
 - CSA::Route, [68](#)
- departureStationURICHanged
 - Fragments::Fragment, [27](#)
- departureStationURI
 - CSA::Planner, [59](#)
 - Fragments::Fragment, [27](#)
- departureTime
 - CSA::Planner, [59](#)
 - CSA::Route, [68](#)
 - CSA::StationStopProfile, [105](#)
 - CSA::VehicleStop, [122](#)
 - Fragments::Fragment, [28](#)
- departureTimeChanged
 - CSA::StationStopProfile, [105](#)
 - CSA::VehicleStop, [122](#)
- Fragments::Fragment, [28](#)
- departureURICHanged
 - CSA::VehicleStop, [123](#)
- departureURI
 - CSA::VehicleStop, [122](#)
- description
 - CSA::Message, [41](#)
- descriptionChanged
 - CSA::Message, [41](#)
- device
 - OS, [49](#)
- devicepixelratio
 - OS, [49](#), [52](#)
- devicepixelratioChanged
 - OS, [49](#)
- direction
 - Fragments::Fragment, [28](#)
- directionChanged
 - Fragments::Fragment, [28](#)
- disabledParkingSpots
 - CSA::Station, [88](#)
- disabledParkingSpotsChanged
 - CSA::Station, [88](#)
- documentLocation
 - OS, [50](#)
- downloadLocation
 - OS, [50](#)
- duration
 - CSA::Route, [68](#)
- durationWithDelays
 - CSA::Route, [68](#)
- enableLogger
 - logger.cpp, [170](#)
 - logger.h, [171](#)
- endTransaction
 - Database::Manager, [38](#)
- error
 - CSA::Planner, [60](#)
 - Fragments::Factory, [22](#)
- execute
 - Database::Manager, [39](#)
- extractFileData
 - OS, [50](#)
- Factory
 - CSA::Planner, [60](#)
 - Fragments::Factory, [22](#)
- Fragment
 - Fragments::Fragment, [26](#)
- Fragments, [17](#)
- fragments
 - Fragments::Page, [54](#)
- Fragments::Factory, [21](#)
- error, [22](#)
- Factory, [22](#)
- generateFragmentFromJSON, [22](#)
- getInstance, [22](#)
- getPage, [23](#)

- getPageByURIFromNetworkManager, 23
- getResource, 23
- http, 23
- m_http, 24
- m_instance, 24
- pageReady, 23
- processHTTPReply, 23
- setHttp, 24
- validateData, 24
- Fragments::Fragment, 24
 - arrivalDelay, 26
 - arrivalDelayChanged, 26
 - arrivalDelayedTime, 26
 - arrivalStationURIChecked, 27
 - arrivalStationURI, 26
 - arrivalTime, 27
 - arrivalTimeChanged, 27
 - departureDelay, 27
 - departureDelayChanged, 27
 - departureDelayedTime, 27
 - departureStationURIChecked, 27
 - departureStationURI, 27
 - departureTime, 28
 - departureTimeChanged, 28
 - direction, 28
 - directionChanged, 28
 - Fragment, 26
 - m_arrivalDelay, 30
 - m_arrivalStationURI, 30
 - m_arrivalTime, 31
 - m_departureDelay, 31
 - m_departureStationURI, 31
 - m_departureTime, 31
 - m_direction, 31
 - m_routeURI, 31
 - m_tripURI, 31
 - m_uri, 31
 - routeURIChecked, 28
 - routeURI, 28
 - setArrivalDelay, 28
 - setArrivalStationURI, 28
 - setArrivalTime, 29
 - setDepartureDelay, 29
 - setDepartureStationURI, 29
 - setDepartureTime, 29
 - setDirection, 29
 - setRouteURI, 29
 - setTripURI, 29
 - setURI, 30
 - tripURIChecked, 30
 - tripURI, 30
 - uri, 30
 - uriChanged, 30
- Fragments::Page, 53
 - fragments, 54
 - fragmentsChanged, 54
 - hydraNext, 54
 - hydraNextChanged, 55
 - hydraPrevious, 55
 - hydraPreviousChanged, 55
 - m_fragments, 56
 - m_hydraNext, 56
 - m_hydraPrevious, 57
 - m_timestamp, 57
 - m_uri, 57
 - Page, 54
 - setFragments, 55
 - setHydraNext, 55
 - setHydraPrevious, 55
 - setTimestamp, 55
 - setURI, 56
 - timestamp, 56
 - timestampChanged, 56
 - uri, 56
 - uriChanged, 56
- fragmentsChanged
 - Fragments::Page, 54
- fragmentsfactory.h
 - BASE_URL, 158
- generateFragmentFromJSON
 - Fragments::Factory, 22
- getConnections
 - CSA::Planner, 60
- getFirstReachableConnection
 - CSA::Planner, 60
- getInstance
 - CSA::NullStation, 45
 - CSA::Planner, 60
 - CSA::StationFactory, 101
 - Database::Manager, 39
 - Fragments::Factory, 22
 - Network::Manager, 34
- getPage
 - Fragments::Factory, 23
- getPageByURIFromNetworkManager
 - Fragments::Factory, 23
- getResource
 - Fragments::Factory, 23
 - Network::Manager, 34
- getStationByURI
 - CSA::StationFactory, 102
- handler
 - logger.cpp, 170
 - logger.h, 171
- harbour-berail.cpp
 - main, 132
- hasBicycleSpots
 - CSA::Station, 89
- hasBicycleSpotsChanged
 - CSA::Station, 89
- hasBlueBike
 - CSA::Station, 89
- hasBlueBikeChanged
 - CSA::Station, 89
- hasBus

- CSA::Station, [89](#)
- hasBusChanged
 - CSA::Station, [89](#)
- hasElevatedPlatform
 - CSA::Station, [89](#)
- hasElevatedPlatformChanged
 - CSA::Station, [89](#)
- hasElevatorPlatform
 - CSA::Station, [90](#)
- hasEscalatorDown
 - CSA::Station, [90](#)
- hasEscalatorDownChanged
 - CSA::Station, [90](#)
- hasEscalatorUp
 - CSA::Station, [90](#)
- hasEscalatorUpChanged
 - CSA::Station, [90](#)
- hasFreeParking
 - CSA::Station, [90](#)
- hasFreeParkingChanged
 - CSA::Station, [90](#)
- hasHearingAidSignal
 - CSA::Station, [90](#)
- hasHearingAidSignalChanged
 - CSA::Station, [91](#)
- hasLeft
 - CSA::VehicleStop, [123](#)
- hasLeftChanged
 - CSA::VehicleStop, [123](#)
- hasLuggageLockers
 - CSA::Station, [91](#)
- hasLuggageLockersChanged
 - CSA::Station, [91](#)
- hasMetro
 - CSA::Station, [91](#)
- hasMetroChanged
 - CSA::Station, [91](#)
- hasRamp
 - CSA::Station, [91](#)
- hasRampChanged
 - CSA::Station, [91](#)
- hasTaxi
 - CSA::Station, [91](#)
- hasTaxiChanged
 - CSA::Station, [92](#)
- hasTicketVendingMachine
 - CSA::Station, [92](#)
- hasTicketVendingMachineChanged
 - CSA::Station, [92](#)
- hasTram
 - CSA::Station, [92](#)
- hasTramChanged
 - CSA::Station, [92](#)
- hasWheelchairAvailable
 - CSA::Station, [92](#)
- hasWheelchairAvailableChanged
 - CSA::Station, [92](#)
- headResource
 - Network::Manager, [34](#)
- header
 - CSA::Message, [41](#)
- headerChanged
 - CSA::Message, [41](#)
- headsign
 - CSA::Vehicle, [117](#)
- headsignChanged
 - CSA::Vehicle, [117](#)
- http
 - Fragments::Factory, [23](#)
- hydraNext
 - Fragments::Page, [54](#)
- hydraNextChanged
 - Fragments::Page, [55](#)
- hydraPrevious
 - Fragments::Page, [55](#)
- hydraPreviousChanged
 - Fragments::Page, [55](#)
- INTRA_STOP_FOOTPATH_TIME
 - csaplanner.h, [139](#)
- id
 - CSA::Vehicle, [117](#)
- idChanged
 - CSA::Vehicle, [117](#)
- initDatabase
 - CSA::StationFactory, [102](#)
- insertStationWithFacilitiesIntoDatabase
 - CSA::StationFactory, [102](#)
- insertStationWithoutFacilitiesIntoDatabase
 - CSA::StationFactory, [102](#)
- insertStopIntoDatabase
 - CSA::StationFactory, [102](#)
- intermediaryStops
 - CSA::RouteLeg, [74](#)
- intermediaryStopsChanged
 - CSA::RouteLeg, [74](#)
- isArrivalPlatformNormal
 - CSA::Route, [68](#)
- isCanceled
 - CSA::RouteLegEnd, [79](#)
 - CSA::Transfer, [113](#)
- isCanceledChanged
 - CSA::RouteLegEnd, [79](#)
- isDeparturePlatformNormal
 - CSA::Route, [69](#)
- isNormalPlatform
 - CSA::RouteLegEnd, [79](#)
 - CSA::Transfer, [113](#)
- isNormalPlatformChanged
 - CSA::RouteLegEnd, [79](#)
- isPartiallyCanceled
 - CSA::Route, [69](#)
- isPassed
 - CSA::RouteLegEnd, [79](#)
 - CSA::Transfer, [113](#)
- isPassedChanged
 - CSA::RouteLegEnd, [79](#)

- isPlatformNormal
 - CSA::VehicleStop, [123](#)
- isPlatformNormalChanged
 - CSA::VehicleStop, [123](#)
- LINE_LENGTH
 - logger.h, [171](#)
- lead
 - CSA::Message, [42](#)
- leadChanged
 - CSA::Message, [42](#)
- legs
 - CSA::Route, [69](#)
- legsChanged
 - CSA::Route, [69](#)
- link
 - CSA::Message, [42](#)
- linkChanged
 - CSA::Message, [42](#)
- logFile
 - OS, [50](#)
- logLocation
 - OS, [50](#)
- logger.cpp
 - enableLogger, [170](#)
 - handler, [170](#)
- logger.h
 - clearLog, [171](#)
 - compileDate, [171](#)
 - compileTime, [171](#)
 - enableLogger, [171](#)
 - handler, [171](#)
 - LINE_LENGTH, [171](#)
 - logpath, [172](#)
 - name, [172](#)
 - version, [172](#)
- logpath
 - logger.h, [172](#)
- m_QNAM
 - Network::Manager, [37](#)
- m_SArray
 - CSA::Planner, [64](#)
- m_TArray
 - CSA::Planner, [65](#)
- m_acceptHeader
 - Network::Manager, [36](#)
- m_address
 - CSA::Station, [97](#)
- m_arrival
 - CSA::RouteLeg, [76](#)
 - CSA::Transfer, [115](#)
- m_arrivalCanceled
 - CSA::VehicleStop, [127](#)
- m_arrivalConnection
 - CSA::StationStopProfile, [106](#)
 - CSA::TrainProfile, [109](#)
- m_arrivalDelay
 - CSA::VehicleStop, [127](#)
- Fragments::Fragment, [30](#)
- m_arrivalLeg
 - CSA::Transfer, [115](#)
- m_arrivalStationURI
 - CSA::Planner, [63](#)
 - Fragments::Fragment, [30](#)
- m_arrivalTime
 - CSA::Planner, [63](#)
 - CSA::StationStopProfile, [106](#)
 - CSA::TrainProfile, [109](#)
 - CSA::VehicleStop, [127](#)
 - Fragments::Fragment, [31](#)
- m_averageStopTimes
 - CSA::Station, [97](#)
- m_cache
 - Network::Manager, [37](#)
- m_country
 - CSA::Station, [97](#)
- m_database
 - Database::Manager, [39](#)
- m_db
 - CSA::StationFactory, [103](#)
- m_delay
 - CSA::RouteLegEnd, [82](#)
- m_departure
 - CSA::RouteLeg, [76](#)
 - CSA::Transfer, [115](#)
- m_departureCanceled
 - CSA::VehicleStop, [127](#)
- m_departureConnection
 - CSA::StationStopProfile, [106](#)
- m_departureDelay
 - CSA::VehicleStop, [127](#)
 - Fragments::Fragment, [31](#)
- m_departureLeg
 - CSA::Transfer, [115](#)
- m_departureStationURI
 - CSA::Planner, [64](#)
 - Fragments::Fragment, [31](#)
- m_departureTime
 - CSA::Planner, [64](#)
 - CSA::StationStopProfile, [107](#)
 - CSA::VehicleStop, [127](#)
 - Fragments::Fragment, [31](#)
- m_departureURI
 - CSA::VehicleStop, [127](#)
- m_description
 - CSA::Message, [43](#)
- m_device
 - OS, [51](#)
- m_direction
 - Fragments::Fragment, [31](#)
- m_disabledParkingSpots
 - CSA::Station, [97](#)
- m_fragments
 - Fragments::Page, [56](#)
- m_hasBicycleSpots
 - CSA::Station, [98](#)

- m_hasBlueBike
 - CSA::Station, 98
- m_hasBus
 - CSA::Station, 98
- m_hasElevatedPlatform
 - CSA::Station, 98
- m_hasElevatorPlatform
 - CSA::Station, 98
- m_hasEscalatorDown
 - CSA::Station, 98
- m_hasEscalatorUp
 - CSA::Station, 98
- m_hasFreeParking
 - CSA::Station, 98
- m_hasHearingAidSignal
 - CSA::Station, 99
- m_hasLeft
 - CSA::VehicleStop, 128
- m_hasLuggageLockers
 - CSA::Station, 99
- m_hasMetro
 - CSA::Station, 99
- m_hasRamp
 - CSA::Station, 99
- m_hasTaxi
 - CSA::Station, 99
- m_hasTicketVendingMachine
 - CSA::Station, 99
- m_hasTram
 - CSA::Station, 99
- m_hasWheelchairAvailable
 - CSA::Station, 99
- m_header
 - CSA::Message, 43
- m_headsign
 - CSA::Vehicle, 118
- m_http
 - Fragments::Factory, 24
- m_hydraNext
 - Fragments::Page, 56
- m_hydraPrevious
 - Fragments::Page, 57
- m_id
 - CSA::Vehicle, 118
- m_instance
 - CSA::NullStation, 45
 - CSA::Planner, 64
 - CSA::StationFactory, 103
 - Database::Manager, 39
 - Fragments::Factory, 24
 - Network::Manager, 37
- m_intermediaryStops
 - CSA::RouteLeg, 77
- m_isCanceled
 - CSA::RouteLegEnd, 82
- m_isNormalPlatform
 - CSA::RouteLegEnd, 83
- m_isPassed
 - CSA::RouteLegEnd, 83
- m_isPlatformNormal
 - CSA::VehicleStop, 128
- m_lead
 - CSA::Message, 43
- m_legs
 - CSA::Route, 71
- m_link
 - CSA::Message, 43
- m_linkedConnectionFactory
 - CSA::Planner, 64
- m_maxTransfers
 - CSA::Planner, 64
- m_name
 - CSA::Station, 100
- m_occupancyLevel
 - CSA::RouteLegEnd, 83
 - CSA::VehicleStop, 128
- m_openingHours
 - CSA::Station, 100
- m_platform
 - CSA::RouteLegEnd, 83
 - CSA::VehicleStop, 128
- m_position
 - CSA::Station, 100
- m_release
 - OS, 51
- m_remarks
 - CSA::Route, 71
- m_routeURI
 - Fragments::Fragment, 31
- m_routes
 - CSA::Planner, 64
- m_station
 - CSA::RouteLegEnd, 83
 - CSA::VehicleStop, 128
- m_stationFactory
 - CSA::Planner, 64
- m_time
 - CSA::RouteLegEnd, 83
- m_timestamp
 - Fragments::Page, 57
- m_transfers
 - CSA::Route, 71
 - CSA::StationStopProfile, 107
 - CSA::TrainProfile, 109
- m_tripAlerts
 - CSA::Route, 72
- m_tripURI
 - Fragments::Fragment, 31
- m_type
 - CSA::RouteLeg, 77
 - CSA::Transfer, 115
 - CSA::VehicleStop, 128
- m_uri
 - CSA::RouteLegEnd, 83
 - CSA::Station, 100
 - CSA::Vehicle, 119

- Fragments::Fragment, 31
- Fragments::Page, 57
- m_userAgent
 - Network::Manager, 37
- m_vehicleAlerts
 - CSA::Route, 72
- m_vehicleInformation
 - CSA::RouteLeg, 77
 - CSA::VehicleStop, 128
- m_version
 - OS, 52
- MAX_BODY_LENGTH
 - os.h, 178
- MAX_PREVIEW_LENGTH
 - os.h, 178
- MAX_TRANSFER_TIME
 - csaplanner.h, 139
- MILISECONDS_TO_SECONDS_MULTIPLIER
 - csaplanner.h, 139
- MINIMUM_PROGRESS_INCREMENT
 - csaplanner.h, 139
- main
 - harbour-berail.cpp, 132
- Manager
 - Database::Manager, 38
 - Network::Manager, 33
- manager
 - Network::Manager, 34
- maxTransfers
 - CSA::Planner, 60
- Message
 - CSA::Message, 41
- musicLocation
 - OS, 50
- name
 - CSA::Station, 92
 - logger.h, 172
- nameChanged
 - CSA::Station, 93
- Network, 19
- Network::Manager, 32
 - acceptHeader, 33
 - acceptHeaderChanged, 33
 - cache, 34
 - deleteResource, 34
 - getInstance, 34
 - getResource, 34
 - headResource, 34
 - m_QNAM, 37
 - m_acceptHeader, 36
 - m_cache, 37
 - m_instance, 37
 - m_userAgent, 37
 - Manager, 33
 - manager, 34
 - networkAccessibleChanged, 34
 - postResource, 35
 - prepareRequest, 35
 - QNAM, 35
 - requestCompleted, 35
 - setAcceptHeader, 35
 - setCache, 35
 - setManager, 35
 - setQNAM, 36
 - setUserAgent, 36
 - sslErrorsReceived, 36
 - userAgent, 36
 - userAgentChanged, 36
- networkAccessibleChanged
 - Network::Manager, 34
- NullStation
 - CSA::NullStation, 44
- OccupancyLevel
 - CSA::Vehicle, 116
- occupancyLevel
 - CSA::RouteLegEnd, 80
 - CSA::Transfer, 113
 - CSA::VehicleStop, 123
- occupancyLevelChanged
 - CSA::RouteLegEnd, 80
 - CSA::VehicleStop, 123
- openingHours
 - CSA::Station, 93
- openingHoursChanged
 - CSA::Station, 93
- OS, 46
 - appName, 47, 52
 - appNameChanged, 47
 - appNamePretty, 47, 52
 - appNamePrettyChanged, 48
 - appVersion, 48, 52
 - appVersionChanged, 48
 - cacheLocation, 48
 - closeNotificationAll, 48
 - closeNotificationByCategory, 48
 - closeNotificationByReplacesId, 48
 - configLocation, 49
 - createNotification, 49
 - createToaster, 49
 - dataLocation, 49
 - device, 49
 - devicepixelratio, 49, 52
 - devicepixelratioChanged, 49
 - documentLocation, 50
 - downloadLocation, 50
 - extractFileData, 50
 - logFile, 50
 - logLocation, 50
 - m_device, 51
 - m_release, 51
 - m_version, 52
 - musicLocation, 50
 - OS, 47
 - photoLocation, 50
 - release, 51, 52
 - releaseChanged, 51

- version, [51](#), [52](#)
- versionChanged, [51](#)
- videoLocation, [51](#)
- os.h
 - MAX_BODY_LENGTH, [178](#)
 - MAX_PREVIEW_LENGTH, [178](#)
- Page
 - Fragments::Page, [54](#)
- pageProgress
 - CSA::Planner, [60](#)
- pageReady
 - Fragments::Factory, [23](#)
- pageReceived
 - CSA::Planner, [61](#)
- pageRequested
 - CSA::Planner, [61](#)
- photoLocation
 - OS, [50](#)
- planPage
 - CSA::Planner, [61](#)
- Planner
 - CSA::Planner, [59](#)
- platform
 - CSA::RouteLegEnd, [80](#)
 - CSA::Transfer, [113](#)
 - CSA::VehicleStop, [123](#)
- platformChanged
 - CSA::RouteLegEnd, [80](#)
 - CSA::VehicleStop, [124](#)
- position
 - CSA::Station, [93](#)
- positionChanged
 - CSA::Station, [93](#)
- postResource
 - Network::Manager, [35](#)
- prepareRequest
 - Network::Manager, [35](#)
- processHTTPReply
 - Fragments::Factory, [23](#)
- QNAM
 - Network::Manager, [35](#)
- release
 - OS, [51](#), [52](#)
- releaseChanged
 - OS, [51](#)
- remarks
 - CSA::Route, [69](#)
- remarksChanged
 - CSA::Route, [69](#)
- requestCompleted
 - Network::Manager, [35](#)
- Route
 - CSA::Route, [66](#), [67](#)
- RouteLeg
 - CSA::RouteLeg, [73](#)
- RouteLegEnd
 - CSA::RouteLegEnd, [78](#)
- routeURICHanged
 - Fragments::Fragment, [28](#)
- routeURI
 - Fragments::Fragment, [28](#)
- routes
 - CSA::Planner, [61](#)
- routesFound
 - CSA::Planner, [61](#)
- SArray
 - CSA::Planner, [61](#)
- SECONDS_TO_HOURS_MULTIPLIER
 - csaplanner.h, [139](#)
- setAcceptHeader
 - Network::Manager, [35](#)
- setAddress
 - CSA::Station, [93](#)
- setArrival
 - CSA::RouteLeg, [75](#)
 - CSA::Transfer, [113](#)
- setArrivalCanceled
 - CSA::VehicleStop, [124](#)
- setArrivalConnection
 - CSA::StationStopProfile, [105](#)
 - CSA::TrainProfile, [108](#)
- setArrivalDelay
 - CSA::VehicleStop, [124](#)
 - Fragments::Fragment, [28](#)
- setArrivalLeg
 - CSA::Transfer, [113](#)
- setArrivalStationURI
 - CSA::Planner, [62](#)
 - Fragments::Fragment, [28](#)
- setArrivalTime
 - CSA::Planner, [62](#)
 - CSA::StationStopProfile, [105](#)
 - CSA::TrainProfile, [109](#)
 - CSA::VehicleStop, [124](#)
 - Fragments::Fragment, [29](#)
- setAverageStopTimes
 - CSA::Station, [93](#)
- setCache
 - Network::Manager, [35](#)
- setCountry
 - CSA::Station, [94](#)
- setDatabase
 - Database::Manager, [39](#)
- setDb
 - CSA::StationFactory, [102](#)
- setDelay
 - CSA::RouteLegEnd, [80](#)
- setDeparture
 - CSA::RouteLeg, [75](#)
 - CSA::Transfer, [114](#)
- setDepartureCanceled
 - CSA::VehicleStop, [124](#)
- setDepartureConnection
 - CSA::StationStopProfile, [105](#)

- setDepartureDelay
 - CSA::VehicleStop, 124
 - Fragments::Fragment, 29
- setDepartureLeg
 - CSA::Transfer, 114
- setDepartureStationURI
 - CSA::Planner, 62
 - Fragments::Fragment, 29
- setDepartureTime
 - CSA::Planner, 62
 - CSA::StationStopProfile, 106
 - CSA::VehicleStop, 124
 - Fragments::Fragment, 29
- setDepartureURI
 - CSA::VehicleStop, 125
- setDescription
 - CSA::Message, 42
- setDirection
 - Fragments::Fragment, 29
- setDisabledParkingSpots
 - CSA::Station, 94
- setFactory
 - CSA::Planner, 62
- setFragments
 - Fragments::Page, 55
- setHasBicycleSpots
 - CSA::Station, 94
- setHasBlueBike
 - CSA::Station, 94
- setHasBus
 - CSA::Station, 94
- setHasElevatedPlatform
 - CSA::Station, 94
- setHasElevatorPlatform
 - CSA::Station, 94
- setHasEscalatorDown
 - CSA::Station, 95
- setHasEscalatorUp
 - CSA::Station, 95
- setHasFreeParking
 - CSA::Station, 95
- setHasHearingAidSignal
 - CSA::Station, 95
- setHasLeft
 - CSA::VehicleStop, 125
- setHasLuggageLockers
 - CSA::Station, 95
- setHasMetro
 - CSA::Station, 95
- setHasRamp
 - CSA::Station, 95
- setHasTaxi
 - CSA::Station, 96
- setHasTicketVendingMachine
 - CSA::Station, 96
- setHasTram
 - CSA::Station, 96
- setHasWheelchairAvailable
 - CSA::Station, 96
- setHeader
 - CSA::Message, 42
- setHeadsign
 - CSA::Vehicle, 118
- setHttp
 - Fragments::Factory, 24
- setHydraNext
 - Fragments::Page, 55
- setHydraPrevious
 - Fragments::Page, 55
- setId
 - CSA::Vehicle, 118
- setIntermediaryStops
 - CSA::RouteLeg, 75
- setIsCanceled
 - CSA::RouteLegEnd, 80
- setIsNormalPlatform
 - CSA::RouteLegEnd, 80
- setIsPassed
 - CSA::RouteLegEnd, 81
- setIsPlatformNormal
 - CSA::VehicleStop, 125
- setLead
 - CSA::Message, 42
- setLegs
 - CSA::Route, 69
- setLink
 - CSA::Message, 43
- setManager
 - Network::Manager, 35
- setMaxTransfers
 - CSA::Planner, 62
- setName
 - CSA::Station, 96
- setOccupancyLevel
 - CSA::RouteLegEnd, 81
 - CSA::VehicleStop, 125
- setOpeningHours
 - CSA::Station, 96
- setPlatform
 - CSA::RouteLegEnd, 81
 - CSA::VehicleStop, 125
- setPosition
 - CSA::Station, 96
- setQNAM
 - Network::Manager, 36
- setRemarks
 - CSA::Route, 69
- setRouteURI
 - Fragments::Fragment, 29
- setRoutes
 - CSA::Planner, 62
- setSArray
 - CSA::Planner, 63
- setStation
 - CSA::RouteLegEnd, 81
 - CSA::VehicleStop, 125

- setStationFactory
 - CSA::Planner, [63](#)
- setTArray
 - CSA::Planner, [63](#)
- setTime
 - CSA::RouteLegEnd, [81](#)
- setTimestamp
 - Fragments::Page, [55](#)
- setTransfers
 - CSA::Route, [70](#)
 - CSA::StationStopProfile, [106](#)
 - CSA::TrainProfile, [109](#)
- setTripAlerts
 - CSA::Route, [70](#)
- setTripURI
 - Fragments::Fragment, [29](#)
- setType
 - CSA::RouteLeg, [75](#)
 - CSA::Transfer, [114](#)
 - CSA::VehicleStop, [125](#)
- setURI
 - Fragments::Fragment, [30](#)
 - Fragments::Page, [56](#)
- setUri
 - CSA::RouteLegEnd, [81](#)
 - CSA::Station, [97](#)
 - CSA::Vehicle, [118](#)
- setUserAgent
 - Network::Manager, [36](#)
- setVehicleAlerts
 - CSA::Route, [70](#)
- setVehicleInformation
 - CSA::RouteLeg, [75](#)
 - CSA::VehicleStop, [126](#)
- src/database/databasemanager.cpp, [129](#)
- src/database/databasemanager.h, [131](#)
- src/harbour-berail.cpp, [132](#)
- src/linkedconnections/csa/csamessage.cpp, [132](#)
- src/linkedconnections/csa/csamessage.h, [136](#)
- src/linkedconnections/csa/csanullstation.cpp, [136](#)
- src/linkedconnections/csa/csanullstation.h, [138](#)
- src/linkedconnections/csa/csaplanner.cpp, [138](#)
- src/linkedconnections/csa/csaplanner.h, [138](#)
- src/linkedconnections/csa/csaroute.cpp, [140](#)
- src/linkedconnections/csa/csaroute.h, [140](#)
- src/linkedconnections/csa/csarouteleg.cpp, [140](#)
- src/linkedconnections/csa/csarouteleg.h, [141](#)
- src/linkedconnections/csa/csaroutelegend.cpp, [141](#)
- src/linkedconnections/csa/csaroutelegend.h, [141](#)
- src/linkedconnections/csa/csastation.cpp, [142](#)
- src/linkedconnections/csa/csastation.h, [145](#)
- src/linkedconnections/csa/csastationfactory.cpp, [145](#)
- src/linkedconnections/csa/csastationfactory.h, [146](#)
- src/linkedconnections/csa/csastationstopprofile.cpp, [146](#)
- src/linkedconnections/csa/csastationstopprofile.h, [150](#)
- src/linkedconnections/csa/csatrainprofile.cpp, [150](#)
- src/linkedconnections/csa/csatrainprofile.h, [153](#)
- src/linkedconnections/csa/csatransfer.cpp, [153](#)
- src/linkedconnections/csa/csatransfer.h, [153](#)
- src/linkedconnections/csa/csavehicle.cpp, [153](#)
- src/linkedconnections/csa/csavehicle.h, [154](#)
- src/linkedconnections/csa/csavehiclestop.cpp, [154](#)
- src/linkedconnections/csa/csavehiclestop.h, [154](#)
- src/linkedconnections/fragments/fragmentsfactory.cpp, [154](#)
- src/linkedconnections/fragments/fragmentsfactory.h, [158](#)
- src/linkedconnections/fragments/fragmentsfragment.cpp, [158](#)
- src/linkedconnections/fragments/fragmentsfragment.h, [166](#)
- src/linkedconnections/fragments/fragmentspage.cpp, [166](#)
- src/linkedconnections/fragments/fragmentspage.h, [169](#)
- src/logger.cpp, [169](#)
- src/logger.h, [170](#)
- src/network/networkmanager.cpp, [172](#)
- src/network/networkmanager.h, [176](#)
- src/os.cpp, [177](#)
- src/os.h, [177](#)
- sslErrorsReceived
 - Network::Manager, [36](#)
- startTransaction
 - Database::Manager, [39](#)
- Station
 - CSA::Station, [87](#)
- station
 - CSA::RouteLeg, [75](#)
 - CSA::RouteLegEnd, [81](#)
 - CSA::Transfer, [114](#)
 - CSA::VehicleStop, [126](#)
- stationChanged
 - CSA::RouteLeg, [75](#)
 - CSA::RouteLegEnd, [82](#)
 - CSA::VehicleStop, [126](#)
- stationCount
 - CSA::Route, [70](#)
- StationFactory
 - CSA::StationFactory, [101](#)
- stationFactory
 - CSA::Planner, [63](#)
- StationStopProfile
 - CSA::StationStopProfile, [104](#)
- stopsChanged
 - CSA::RouteLeg, [76](#)
- syncThreadMutex
 - CSA::Planner, [65](#)
- TArray
 - CSA::Planner, [63](#)
- TRANSFER_EQUIVALENT_TRAVEL_TIME
 - csaplanner.h, [140](#)
- time
 - CSA::RouteLegEnd, [82](#)
 - CSA::Transfer, [114](#)
- timeChanged

- CSA::RouteLegEnd, [82](#)
- timestamp
 - Fragments::Page, [56](#)
- timestampChanged
 - Fragments::Page, [56](#)
- TrainProfile
 - CSA::TrainProfile, [108](#)
- Transfer
 - CSA::Transfer, [111](#)
- transferCount
 - CSA::Route, [70](#)
- transfers
 - CSA::Route, [70](#)
 - CSA::StationStopProfile, [106](#)
 - CSA::TrainProfile, [109](#)
- transfersChanged
 - CSA::Route, [70](#)
 - CSA::StationStopProfile, [106](#)
 - CSA::TrainProfile, [109](#)
- tripAlerts
 - CSA::Route, [71](#)
- tripAlertsChanged
 - CSA::Route, [71](#)
- tripURIChanged
 - Fragments::Fragment, [30](#)
- tripURI
 - Fragments::Fragment, [30](#)
- Type
 - CSA::RouteLeg, [73](#)
 - CSA::Transfer, [111](#)
 - CSA::VehicleStop, [120](#)
- type
 - CSA::RouteLeg, [76](#)
 - CSA::Transfer, [114](#)
 - CSA::VehicleStop, [126](#)
- typeChanged
 - CSA::RouteLeg, [76](#)
 - CSA::Transfer, [114](#)
 - CSA::VehicleStop, [126](#)
- uri
 - CSA::RouteLegEnd, [82](#)
 - CSA::Station, [97](#)
 - CSA::Transfer, [115](#)
 - CSA::Vehicle, [118](#)
 - Fragments::Fragment, [30](#)
 - Fragments::Page, [56](#)
- uriChanged
 - CSA::RouteLegEnd, [82](#)
 - CSA::Station, [97](#)
 - CSA::Vehicle, [118](#)
 - Fragments::Fragment, [30](#)
 - Fragments::Page, [56](#)
- userAgent
 - Network::Manager, [36](#)
- userAgentChanged
 - Network::Manager, [36](#)
- csaplaner.h, [140](#)
- validateData
 - Fragments::Factory, [24](#)
- Vehicle
 - CSA::Vehicle, [117](#)
- vehicleAlerts
 - CSA::Route, [71](#)
- vehicleAlertsChanged
 - CSA::Route, [71](#)
- vehicleInformation
 - CSA::RouteLeg, [76](#)
 - CSA::VehicleStop, [126](#)
- vehicleInformationChanged
 - CSA::RouteLeg, [76](#)
 - CSA::VehicleStop, [126](#)
- VehicleStop
 - CSA::VehicleStop, [121](#)
- version
 - logger.h, [172](#)
 - OS, [51](#), [52](#)
- versionChanged
 - OS, [51](#)
- videoLocation
 - OS, [51](#)

VERBOSE_PARAMETERS