

# Overview of the most important classes in the Elk Framework

jmf  
(from org.cip4.elk)

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<< interface >>
IncomingJMFDispatcher

+setConfig(config:Config):void
+registerProcessor(jmfType:String,processor:JMFPProcessor):JMFPProcessor
+unregisterProcessor(jmfType:String):JMFPProcessor
+getMessageTypes():Set
+getProcessor(jmfType:String):JMFPProcessor
+registerDefaultProcessor(defaultProcessor:JMFPProcessor):JMFPProcessor
+unregisterDefaultProcessor():JMFPProcessor
+getDefaultProcessor():JMFPProcessor
+setProcessors(processors:Map):void
+dispatchJMF(jmf:JDFJMF):JDFJMF
    
```

dispatches JMF to ↓

```

<< interface >>
JMFPProcessor

+processJMF(input:JDFMessage,output:JDFResponse):int
+getMessageServices():JDFMessageService[]
    
```

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<< interface >>
OutgoingJMFDispatcher

+dispatchJMF(jmf:JDFJMF,url:String):JDFResponse
+dispatchJDF(jdf:JDFNode,url:String):void
+dispatchSignal(jmf:JDFJMF,url:String):void
    
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<< interface >>
SubscriptionManager

+registerSubscription(subscription:JDFQuery):boolean
+unregisterSubscription(stopParams:JDFStopPersChParams):void
+getNotificationDefs(filter:JDFNotificationFilter):JDFNotificationDef[]
    
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<< interface >>
Config
(from org.cip4.elk)

+getID():String
+setID(senderId:String):void
+getConfigParameter(name:String):String
+getConfigParameterNames():Set
+setConfigParameters(parameters:Map):void
+setConfigParameter(name:String,value:String):void
+setProxyHost(host:String):void
+getProxyHost():String
+setProxyPort(port:int):void
+getProxyPort():int
+setLocalJDFOutputURL(localUrl:String):void
+getLocalJDFOutputURL():String
+getJDFOutputURL():String
+setJDFOutputURL(outputUrl:String):void
+setJDFTempURL(tempUrl:String):void
+getJDFTempURL():String
    
```

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JDFElementFactory
(from org.cip4.elk)

.JDFELEMENTFACTORY_KEY:String= "org.cip4.elk.JDFElementFactory"
.CONFIG_FILE:String= "JDFElementFactory.properties"

<< create >>#JDFElementFactory():JDFElementFactory
+getInstance():JDFElementFactory
#loadInstance():void
+createJDFElement(elementName:String):JDFElement
+createJDF():JDFNode
+createJMF():JDFJMF
    
```

process  
(from org.cip4.elk:device)

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<< interface >>
Process

+init():void
+destroy():void
+setDeviceConfig(config:DeviceConfig):void
+getDeviceConfig():DeviceConfig
+addProcessStatusListener(listener:ProcessStatusListener):void
+removeProcessStatusListener(listener:ProcessStatusListener):void
+runJob(jdfUrl:String):JDFNode
+suspendJob():void
+resumeJob():void
+abortJob():void
+testRunJob(jdfUrl:String):void
+getStatus():EnumDeviceStatus
+getJobPhase():JDFJobPhase
+flushResources():void
+wakeUp():void
+sleep():void
+getProcessId():String
    
```

queue  
(from org.cip4.elk)

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<< interface >>
Queue

+setMaxQueueSize(size:int):void
+getMaxQueueSize():int
+getQueueSize():int
+getTotalQueueSize():int
+addQueueEntry(params:JDFQueueSubmissionParams):JDFQueueEntry
+getQueueEntry(queueEntryId:String):JDFQueueEntry
+getQueueSubmissionParams(queueEntryId:String):JDFQueueSubmissionParams
+removeQueueEntry(queueEntryId:String):JDFQueueEntry
+putQueueEntry(queueEntry:JDFQueueEntry):JDFQueueEntry
+getQueue():JDFQueue
+getQueue(filter:JDFQueueFilter):JDFQueue
+getQueueStatus():EnumQueueStatus
+getFirstRunnableQueueEntry():JDFQueueEntry
+addQueueStatusListener(listener:QueueStatusListener):void
+removeQueueStatusListener(listener:QueueStatusListener):void
+closeQueue():void
+openQueue():void
+holdQueue():void
+resumeQueue():void
    
```