Aspire :: OSGi Bundles :: Tagsys Medio Reader
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This section describes the bundle for Tagsys Medio Reader L100 & L200 (ie HALAdaptor)

Context

The Tagsys Medio Reader L100 & L200 is an industrial ISO 15693 RFID reader.

The Tagsys Reader bundle packages a HALAdaptor for Tagsys Medio L100 & L200 reader attached to the host (RS232).

Building process

1. Download the vendor library tagsysmedio. Then, transform this jar into a compliant OSGi bundle (you can use the BND tool).
2. Install in the local maven repository the bundle version of the vendor Java library.

   mvn install:install-file -DgroupId=com.tagsys -DartifactId=tagsysmedio -Dversion=1.0.0 -Dpackaging=jar -Dfile=tagsysmedio-1.0.0.jar

1. Build and deploy the RXTX bundle (RXTX is a native interface to serial ports in java).

   The sources of this project are in the svn repository (*trunk/bundles/common/rxtx*). Use maven to build this project, the instruction is mvn clean install

1. You must also build the abstract-reader project. This project contains base classes used by all HAL adaptors.

   The sources of this project are in in the svn repository (*trunk/bundles/readers/abstract-reader*). Use maven to build this project, the instruction is mvn clean install

1. Finally you must build the tagsys reader project. The sources are in in the svn repository (*trunk/bundles/readers/tagsys-reader*)

   Use maven to build this project, the instruction is mvn clean install

Deployment

The artifacts to deploy are

- org.ow2.aspirerfid:abstract-reader (Artifact that has the base reader classes)
- com.tagsys:tagsysmedio (The reader vendor library)
- org.ow2.aspirerfid:tagsys-reader (The tagsys reader driver)

In Felix use install comand to deploy the bundles.

LRSpec

Configurable properties

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?> <ns3:LRSpec
xmlns:ns2="urn:epcglobal:ale:wsdl:1" xmlns:ns3="urn:epcglobal:ale:xsd:1">
<isComposite>false</isComposite> <readers /> <properties> <property> <name>ReaderType</name>
<value>org.ow2.aspirerfid.ale.server.readers.rp.tagsys.TagsysAdaptor</value> </property>
<property> <name>Description</name> <value>This Tagsys Logical Reader </value> </property>
<property> <name>PhysicalReaderName</name> <value>IntermecIF5</value> </property> <property>
<name>ReadTimeInterval</name> <value>1500</value> </property> <!-- specific properties to
configure the communication with the TagSys Link --> <!-- Serial link --> <property>
<name>tagsys.mediolx00.settings.iMediaType</name> <value>serial</value> </property> <property>
<name>tagsys.mediolx00.settings.strSerialName</name> <value>COM1</value> </property> <property>
<name>tagsys.mediolx00.settings.iSerialSpeed</name> <value>38400</value> </property> <!-- IP
link --> <!--
<property><name>tagsys.mediolx00.settings.iMediaType</name><value>ip</value></property> --> <!--
<property><name>tagsys.mediolx00.settings.strIPAddress</name><value>192.168.1.1</value></property>
--> <!-- <property><name>tagsys.mediolx00.settings.iTCPPort</name><value>4001</value></property>
--> <!-- (in multiple of 500mW) --> <property> <name>tagsys.mediolx00.settings.iPower</name>
<value>1</value> </property> <!-- 0 is off and channels could be 1,2,3,4 --> <property>
<name>tagsys.mediolx00.settings.iChannel</name> <value>1</value> </property> <!--values are
TAG_C210, TAG_C220, TAG_C240, TAG_C270, TAG_EPC, TAG_ISO15693--> <property>
<name>tagsys.mediolx00.settings.strTagType</name> <value>TAG_ISO15693</value> </property>
<property> <name>tagsys.mediolx00.settings.boCont</name> <value>true</value> </property>
<property> <name>tagsys.mediolx00.settings.boSort</name> <value>false</value> </property> <!--
timer between 2 reads (in millisec) --> <property> <name>tagsys.mediolx00.settings.iTimer</name>
<value>250</value> </property> </properties> </ns3:LRSpec>
```

Link

- Tagsys Medio Reader

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