

[Aspire :: OSGi Bundles :: ProximaRF Desktop Reader](#)

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This section describes the bundle for ProximaRF Desktop reader (ie HALAdaptor)

## Context

The [ProximaRF Desktop Reader](#) is a ISO 15693 RFID reader.

The ProximaRF Desktop Reader bundle packages a HALAdaptor for ProximaRF reader attached to the host (Serial emulated USB port).

## Building process

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

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

1. Finally you must build the proximarf reader project. The sources are in *trunk/bundles/readers/proximarf-reader*

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

Remark: the reader uses the JNA API to invoke the DLL. You have to install the JNA library (jna-3.2.5.jar) into your maven local repository. Use the next maven command: `mvn install:install-file -DgroupId=com.sun.jna -DartifactId=jna -Dversion=3.2.5 -Dpackaging=jar -Dfile=jna-3.2.5.jar`

## Deployment

The artifacts to deploy are

- org.ow2.aspirefid:abstract-reader (Artifact that has the base reader classes)
- com.sun.jna:jna (The JNA bundle)
- org.ow2.aspirefid:tagsys-reader (The proximarf reader driver)

## LRSpec

Configurable properties

- SerialPort

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?> <ns3:LRSpec
xmlns:ns2="urn:epcglobal:ale:wscdl:1" xmlns:ns3="urn:epcglobal:ale:xsd:1">
<isComposite>false</isComposite> <readers /> <properties> <property> <name>ReaderType</name>
<value>org.ow2.aspirefid.ale.server.readers.rp.proximarf.ProximaRFAdaptor</value> </property>
<property> <name>Description</name> <value>This ProximaRF Logical Reader </value> </property>
<property> <name>PhysicalReaderName</name> <value>ProximaRF</value> </property> <property>
<name>ReadTimeInterval</name> <value>1500</value> </property> <property> <name>SerialPort</name>
```

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<value>COM9</value> </property> </properties> </ns3:LRSpec>

## ***Link***

Starter kit

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