

puckBuild.txt

```
# This describes the procedure for manually building PUCK JAR files
# directly from a CVS tag using Cygwin or Linux

# Required Materials
- PC (Linux or win2k/XP+Cygwin)
- CVS, gcvS or winCVS
- J2SE JDK, 1.3 or higher

install Java
install winCVS
install cygwin

# make build directory (e.g. c:/cygwin/home/headley/cvs/export/;
/home/headley/cvs/export/)

# use CVS export to check out tagged release

# Set environment
- export SIAM_HOME=c:/cygwin/home/headley/cvs/export/cimt2005
- export JAVA_DEV_ROOT=$SIAM_HOME
- (if linux) export ISUNIX=1

# make directories
mkdir $SIAM_HOME/classes
mkdir $SIAM_HOME/ports

# Go to SIAM_HOME directory
cd $SIAM_HOME

# Build the SIAM classes
make (make --win32 for Cygwin)

# Build the PUCK JAR files
make cimt05 (or other puck target defined in $SIAM_HOME/make/Makefile)

# Create temp directory and extract the contents of a copy of the source jar there
mkdir $SIAM_HOME/ports/tmp

cp $SIAM_HOME/ports/<jar> to $SIAM_HOME/ports/tmp

cd $SIAM_HOME/ports/tmp

jar xvf <jar>

# Create a new directory in which to build the target jar
mkdir new

cp service.properties new/
cp service.xml new/

cd new

# Change the service.properties and service.xml files, as needed
edit service.properties
- change isiID
- optionally change other properties

edit service.xml
- change all instances of isiID
- change instrument-specific info (e.g., mfg serial number)
- remove header comments
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(cp service.xml <newID>.xml)
```

```
# Use the puckit utility to generate the target jar
puckit serviceClassname servicePropertiesFile serviceXMLFile outputJarfile
- e.g., puckit moos.devices.metsys.Metsys service.properties service.xml
Metsys-1480.jar
```

```
# Replacing the JAR in the deployed PUCK
move new jar file to ops' home directory on portal
- scp <jar> ops@siam-portal-2:/home/ops
```

```
log in to portal
- ssh ops@siam-portal-2
```

```
take out a lease (or wait for secondary radio console)
- lease -establish 3600 mooring
- (record lease ID)
```

```
copy jar to mooring
- scp <jar> ops@mooring:/mnt/hda
```

```
log on to mooring
- ssh ops@mooring
- gosiam
- cd /mnt/hda
```

```
shut down the service
- (listPorts localhost)
- shutdownPort localhost <port>
- powerUpPort localhost <port>
- (cp service.jar service.jar.bak)
- readPuck <port>
- (cp service.jar service.jar.orig)
- writePuck <jar> <port>
```

```
Verify operation
- readPuck <port>
- mkdir tmp
- mv service.jar tmp/
- cd tmp
- jar xvf service.jar
- less service.properties
- less service.xml
```

```
Restart service
- powerDownPort localhost <port>
- scanPort localhost <port>
```