

How to install DOMS system for kulturarvs-DEVEL or on your own machine

The quick and dirty guide to installing the different DOMS-system-components on DEVEL or for monkey-testing on your own machine.

Please let each step finish before continuing to the next.

Clean up an existing monkey-test install (if it exists)

```
cd ~/domsmonkeytest/summarise/sites/doms ; bin/stop_resident.sh ; cd ../../.. ; rm -rf summarise
```

```
cd ~/domsmonkeytest/develtestbed/tomcat/bin ; ./shutdown.sh
```

Wait for Tomcat to disappear from a `ps ax | grep tomcat`

```
cd ~/ ; rm -rf domsmonkeytest
```

Install DOMS core (including Ingestor)

```
cd ~/ ; mkdir -p domsmonkeytest ; cd domsmonkeytest
```

```
scp fedora@alhena:/fedora/develkulturarv/testbed-0.10.22-testbed+ingester.zip .
```

```
unzip testbed-0.10.22-testbed+ingester.zip ; cd testbed-0.10.22/bin ; ./install.sh ../../develtestbed
```

```
cd ../../develtestbed/ingester/radio-tv-0.0.6 ; bash bin/ingest.sh -h files/preingestfiles/2007
```

Continue with `files/preingester/2008`, `files/preingester/2009` and `files/preingester/2010` if you need more objects in the DOMS. If you need a quick ingest, do `cd files/preingester/2007 ; ls -l | grep -v 00-00_dr1 | xargs rm ; cd ../../..` just before the ingest.

Install DigiTV

Not needed for monkey-testing (pre-ingested objects for testing included in the above).

Install IP Rolemapper

```
cd ~/domsmonkeytest ; scp fedora@alhena:/fedora/DomsReleases/iprolemapping/0.0.7/ipRoleMapping-0.0.7-bin.zip .  
/ ; unzip ipRoleMapping-0.0.7-bin.zip
```

```
mkdir ~/domsmonkeytest/develtestbed/services/conf/iprolemapper ; cp ~/domsmonkeytest/ipRoleMapping-0.0.7/data  
/ipRoleMappingService/ipRangesAndRoles.xml ~/domsmonkeytest/develtestbed/services/conf/iprolemapper/ ;  
cp ~/domsmonkeytest/ipRoleMapping-0.0.7/data/ipRoleMappingService/log4jproperties.xml ~/domsmonkeytest  
/develtestbed/services/conf/iprolemapper/
```

```
cd ~/domsmonkeytest/develtestbed/tomcat/conf/Catalina/localhost/ ; gedit context.xml.default
```

before `</Context>` insert

```
<!-- IP role mapper -->
<Parameter name="dk.statsbiblioteket.doms.iprolemapper.webservice.IPRoleMapperService.configurationFile"
  value="{user.home}/domsmonkeytest/develtestbed/services/conf/iprolemapper/ipRangesAndRoles.xml"
  override="false"/>
<Parameter name="dk.statsbiblioteket.doms.iprolemapper.log4jConfigurationFilePath"
  value="{user.home}/domsmonkeytest/develtestbed/services/conf/iprolemapper/log4jproperties.xml"
  override="false"/>
```

and save the file.

```
cd ~/domsmonkeytest/develtestbed/services/conf/iprolemapper ; gedit ipRangesAndRoles.xml
```

remove all `iprange` elements, except the last. Change both begin- and end-IPs to your own IP (which you find with `ifconfig`)

```
cp ~/domsmonkeytest/ipRoleMapping-0.0.7/wars/iprolemapping.war ~/domsmonkeytest/develtestbed/services/webapps/
```

```
cd ~/domsmonkeytest/develtestbed/tomcat/bin ; ./shutdown.sh
```

Wait for Tomcat to disappear from a `ps ax | grep tomcat`

```
./startup.sh
```

Install Summa backend

```
cd ~/domsmonkeytest ; svn co "https://merkur.statsbiblioteket.dk/svn/summarise/trunk" summarise
cd summarise/sites/doms ; bin/synchronize.sh ; mkdir data index suggest ; DEBUG=1 bin/setup.sh -v ; bin/deplo.
sh -v
gedit config/storage_doms.xml
```

below `DOMSWebserviceURL` define instead

```
http://localhost:7880/centralWebservice-service/central/?wsdl
```

and save the file.

```
bin/start_resident.sh ; cd ~/domsmonkeytest/summarise/sites/doms/ ; ls -als log/*fatal*
```

if any of the listed fatal-logs are of non-zero size, repeat the `start_resident` line above and check again.

```
bin/ingest_full.sh
DEBUG=1 bin/index_full.sh
```

Ingest + index (update)

```
bin/ingest_update.sh
DEBUG=1 bin/index_update.sh
```

Ingest + index (test = 50 records only)

```
DEBUG=1 bin/ingest_full.sh
DEBUG=1 bin/index_full.sh
```

Test front end (search for "*"): <http://localhost:57308/doms/>

Install Wowza with plugins

Prerequisites

Install VLC by downloading it at <http://www.videolan.org/vlc/> and follow the installation instructions for the relevant OS on the page. (See if you already have VLC with a `vlc --version`)

Install Wowza Streaming Server:

1. Get a license key by filling the form <http://www.wowzamedia.com/pro10s.php>
2. Install Wowza version 2.2.3
 - a. On OSX

- i. Get the install package

```
scp wowza@iapetus:/home/wowza/releases/binary_packages/WowzaMediaServer-2.2.3.dmg ~
~/Download
```

- ii. Double click the installer and follow the on-screen instructions

- b. On Linux

- i. Get the install package for either as a Debian or RPM package (Warning: the DEB installer will overwrite prior versions.)

```
scp wowza@iapetus:/home/wowza/releases/binary_packages/WowzaMediaServer-2.2.3.deb.bin.sh ~
~/Download
```

```
scp wowza@iapetus:/home/wowza/releases/binary_packages/WWowzaMediaServer-2.2.3.rpm.bin.sh ~
~/Download
```

- ii. Then install the package:

```
cd ~/Download ; sudo chmod +x WowzaMediaServer-2.2.3.deb.bin.sh
sudo ./WowzaMediaServer-2.2.3.deb.bin.sh
```

Install Wowza plugin

1. On OSX
 - a. Shutdown Wowza

```
/Library/WowzaMediaServer-2.2.3/bin/shutdown.sh
```

- b. Save previous configurations (OSX)

```
cp -r /Library/WowzaMediaServer-2.2.3/conf/doms ~/tmp
cp -r /Library/WowzaMediaServer-2.2.3/conf/domslive ~/tmp
```

- c. Fetch release package

```
scp fedora@alhena:/fedora/DomsReleases/wowzaplugin/1.0rc4/doms-wowza-install-package-1.0rc4.zip ~
~/Download/
```

- d. Extract:

```
unzip ~/Download/doms-wowza-install-package-1.0rc4.zip -d ~/tmp
```

- e. Deploy

```
cp -r ~/tmp/DOMS-Wowza-plugin-1.0rc2_install-package /Library/WowzaMediaServer-2.2.3/
```

f. Update configuration in the files

```
/Library/WowzaMediaServer-2.2.3/conf/doms/doms-wowza-plugin.properties
```

```
/Library/WowzaMediaServer-2.2.3/conf/domslive/domslive-wowza-plugin.properties
```

g. Start Wowza

```
/Library/WowzaMediaServer-2.2.3/bin/startup.sh
```

1. On Linux

a. Shutdown Wowza

```
cd /usr/local/WowzaMediaServer-2.2.3/bin/ ; ./shutdown.sh
```

b. Save previous configurations

```
cp -r /usr/local/WowzaMediaServer-2.2.3/conf/doms ~/tmp  
cp -r /usr/local/WowzaMediaServer-2.2.3/conf/domslive ~/tmp
```

c. Fetch release package

```
scp fedora@alhena:/fedora/DomsReleases/wowzaplugin/1.0rc4/doms-wowza-install-package-1.0rc4.zip ~/Download/
```

d. Extract:

```
mkdir ~/tmp/doms-wowza-install-package-1.0rc4 ; unzip ~/Download/doms-wowza-install-package-1.0rc4.zip -d ~/tmp/doms-wowza-install-package-1.0rc4/
```

e. Deploy

```
sudo cp -r ~/tmp/doms-wowza-install-package-1.0rc4/* /usr/local/WowzaMediaServer-2.2.3/
```

f. Update configuration in the files

```
sudo gedit /usr/local/WowzaMediaServer-2.2.3/conf/doms/doms-wowza-plugin.properties
```

replace the two relevant lines with

```
ticketInvalidFile=${com.wowza.wms.context.VHostConfigHome}/usr/local/WowzaMediaServer-2.2.3/data/rck_10mins.flv  
ticketCheckerLocation=http://localhost:7880/authchecker
```

```
sudo gedit /usr/local/WowzaMediaServer-2.2.3/conf/domslive/domslive-wowza-plugin.properties
```

replace the two relevant lines in the same way.

g. Start Wowza

```
cd /usr/local/WowzaMediaServer-2.2.3/bin/ ; ./startup.sh
```

Install BES

...

Install Web frontend

1. Setup configuration for the web frontend. Edit file `$(user.home)/kultur.properties` with the following content

```
summasearch=http://localhost:57308/doms/search/services/SearchWS?wsdl
summastorage=http://localhost:57308/doms/storage/services/StorageWS?wsdl

iprolemapping=http://localhost:7950/iprolemapping/
authchecker=http://localhost:7880/authchecker-service/

broadcastservice=http://localhost:9311/bes_DEVEL/
broadcastserviceextraction=http://localhost:9311/bes_DEVEL_EXTRACTION/
```

1. Checkout domsportal module

```
cd ~/domsmonkeytest ; svn co "https://merkur.statsbiblioteket.dk/svn/domsportal/trunk" domsportal
```

```
cd domsportal
```

1. Get needed libraries

```
ant getLibs
```

1. Compile and run in local tomcat on port 7070

```
ant tomcat.start
```

1. Open in browser: <http://localhost:7070/kultur/>

1. When done stop tomcat

```
ant tomcat.stop
```