

MedDream Viewport installation with Orthanc

Important: please note that instruction below is for Windows.

1. Install Orthanc on Windows:

1.1 Download and install Orthanc 21.4.0: <https://www.orthanc-server.com/download-windows.php>

1.2 Open Orthanc in browser: <http://localhost:8042>

Note: Orthanc might have default username/password set after installation, use orthanc:orthanc

1.3 Download, unzip and upload studies examples to Orthanc: https://softneta.com/files/cls/meddream_viewport_api/StudyExampleForViewport840.zip

2. Install MedDream on Windows:

2.1 Download and install MedDream: <https://www.softneta.com/files/meddreamviewer/840/MedDream-DICOM-Viewer-8.4.0.zip>

2.2. Modify application.properties file and the following information:

```
server.port=8080
logging.file.name=mdjavacore
logging.level.com.softneta=ERROR

spring.profiles.include=auth-inmemory,auth-his
authentication.inmemory.users[0].userName=demo
authentication.inmemory.users[0].password=demo
authorization.users[0].userName=demo
authorization.users[0].role=SEARCH,EXPORT_ISO,EXPORT_ARCH,FORWARD,REPORT_VIEW,REPORT_UPLOAD,PATIENT_HISTORY,UPLOAD_DICOM_LIBRARY,3D_RENDERING,ADMIN,DOCUMENT_VIEW,
FREE_DRAW_VIEW,FREE_DRAW_EDIT,BOUNDING_BOX_VIEW,BOUNDING_BOX_EDIT,SMART_DRAW_VIEW,SMART_DRAW_EDIT
authentication.his.valid-his-params=study
authorization.defaultHisPermissions=EXPORT_ISO,EXPORT_ARCH,FORWARD,REPORT_VIEW,REPORT_UPLOAD,PATIENT_HISTORY,UPLOAD_DICOM_LIBRARY,3D_RENDERING,DOCUMENT_VIEW,
FREE_DRAW_VIEW,FREE_DRAW_EDIT,BOUNDING_BOX_VIEW,BOUNDING_BOX_EDIT,SMART_DRAW_VIEW,SMART_DRAW_EDIT
authorization.defaultLoginPermissions=SEARCH,EXPORT_ISO,EXPORT_ARCH,FORWARD,REPORT_VIEW,REPORT_UPLOAD,PATIENT_HISTORY,UPLOAD_DICOM_LIBRARY,3D_RENDERING,DOCUMENT_VIEW,
FREE_DRAW_VIEW,FREE_DRAW_EDIT,BOUNDING_BOX_VIEW,BOUNDING_BOX_EDIT,SMART_DRAW_VIEW,SMART_DRAW_EDIT

com.softneta.meddream.pacs.configurations[0].type=Orthanc
com.softneta.meddream.pacs.configurations[0].id=Orthanc
com.softneta.meddream.pacs.configurations[0].baseUrl=http://localhost:8042
com.softneta.meddream.pacs.configurations[0].username=
com.softneta.meddream.pacs.configurations[0].password=
```

2.3 Try if URL integration is working using the following URL command:

<http://127.0.0.1:8080/?study=1.2.826.0.1.3680043.8.1055.1.20161012115812848.450575715.8637545>
<http://127.0.0.1:8080/?study=1.2.826.0.1.3680043.8.1055.1.20200514151934839.648013404.6215014>
<http://127.0.0.1:8080/?study=1.2.826.0.1.3680043.8.1055.1.20200514152440924.84843799.73760067>
<http://127.0.0.1:8080/?study=1.2.840.113619.2.55.3.4271045733.996.1449464144.595>

3. Install Node.js

Download Node.js <https://nodejs.org/dist/v18.18.0/node-v18.18.0-x64.msi> and run installer

4. Download integration example from https://softneta.com/files/cls/meddream_viewport_api/vp-integration-example-clients840.zip and unzip.

5. Please ask from integrations@softneta.com for npm registry token and add to '.npmrc' file instead of value ``${NPM_TOKEN}``

6. Run `npm install` command in CMD in folder where you unzipped in Step 4.

7. Run `npm run build` command in CMD in folder where you unzipped in Step 4.

8. Run `npm run start` command in CMD in folder where you unzipped in Step 4.

In few seconds Viewport API example will start.

You can access Viewport API Example on <http://localhost:8081>

More information on how to use the package can be found in the documentation file. `README.min.md`.