

## MedDream Viewport installation with Orthanc

**Important:** please note that instructions above are 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>

**1.3 Download, unzip and upload** studies examples to Orthanc:

[http://softneta.com/files/cls/meddream\\_viewport\\_api/StudyExamplesForViewport.zip](http://softneta.com/files/cls/meddream_viewport_api/StudyExamplesForViewport.zip)

### 2. Install MedDream on Windows:

**2.1 Download and install** MedDream: <https://www.softneta.com/files/meddreamviewer/770/MedDream-DICOM-Viewer-7.7.0.zip>

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

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

authentication.his.valid-his-params=study
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
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
authorization.defaultLoginPermissions=SEARCH,EXPORT_ISO,EXPORT_ARCH,FORWARD,REPORT_VIEW,REPORT_UPLOAD,PATIENT_HISTORY,UPLOAD_DICOM_LIBRARY,3D_RENDERING,DOCUMENT_VIEW

com.softneta.meddream.loginEnabled=true
features.search=true

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>

### 3. Install Nginx

**3.1 Download** Nginx <http://nginx.org/download/nginx-1.20.0.zip> , unzip.

**3.2 Edit nginx.conf** and add the following lines under server tag:

```
server {  
    listen      80;  
    server_name localhost;  
  
        location /his {  
            proxy_pass http://192.168.56.104:8080/his;  
        }  
  
        location /studies {  
            proxy_pass http://192.168.56.104:8080/studies;  
        }  
}
```

**3.3 Run** CMD command *start nginx* from unzipped location.

### 4. Install Node.js

**Download Node.js** <https://nodejs.org/dist/v14.16.1/node-v14.16.1-x64.msi> and run installer

**5. Download integration example** from [http://softneta.com/files/cls/meddream\\_viewport\\_api/vp-integration-project-example.zip](http://softneta.com/files/cls/meddream_viewport_api/vp-integration-project-example.zip) and unzip.

**6.** Please ask from [integrations@softneta.com](mailto:integrations@softneta.com) for npm registry token and to '.npmrc' file instead of value `_${NPM_TOKEN}`

**7. Run** *npm install* command in CMD in folder where you unzipped in Step 5.

**8. Run** *npm run build* command in CMD in folder where you unzipped in Step 5.

**9. Copy** generated build files to "nginx\html" directory.

**10. Open ViewportAPI example** in browser: <http://localhost:80/>

More information on how to use the package can be found in the documentation file. `medDream-viewport-core-readme.md` .