

## 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://meddream.com/files/integrations/meddream\\_viewport\\_api/StudyExampleForViewport850.zip](https://meddream.com/files/integrations/meddream_viewport_api/StudyExampleForViewport850.zip)

### 2. Install MedDream on Windows:

**2.1 Download and install** MedDream: <https://www.meddream.com/files/meddreamviewer/850/MedDream-DICOM-Viewer-8.5.0.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://meddream.com/files/integrations/meddream\\_viewport\\_api/vp-integration-example-clients850.zip](https://meddream.com/files/integrations/meddream_viewport_api/vp-integration-example-clients850.zip) and unzip.

5. Please ask from [integrations@meddream.com](mailto:integrations@meddream.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`.