

MATERI DICOM ROUTER

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Tested on :

Unix based operating System (Ubuntu server) --> use DICOM Router Docker
MacOS (arm64, Intel) --> use DICOM Router Docker
Windows (Intel) --> use DICOM Router Installer

Pre-requisite :

- Installed Installation Package
- Ensure that the port 11112 is opened (default DICOM port)
- Windows : enable LongPath
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\FileSystem -->
LongPathsEnabled --> Value data = 1

Setup for Windows :

- Setup router.conf file, your target endpoint in router.conf in url.
Default in template file is dev environment :
<https://api-satusehat-stg.dto.kemkes.go.id>
- Insert your SATUSEHAT Organization ID, Client Key, and Secret Key on
router.conf. If you don't have access, please access SATUSEHAT Developer
Portal.
- DICOM Router Installer use `dtokemkes` as Installation Password

Setup for Linux & MacOS :

<https://satusehat.kemkes.go.id/platform/docs/id/dicom-system/docker-dicom/>

How to run :

- Docker :
<https://satusehat.kemkes.go.id/platform/docs/id/dicom-system/docker-dicom/>
- Installer : Run As Administrator

Testing using DICOM Toolkit :

Prerequisite :

Download dcmtk from official site <https://dicom.offis.de/dcmtk.php.en>
Download TestSCU for MWL <https://www.charruasoft.com/tools>
Download MicroDicom (Viewer & Editor) :
<https://www.microdicom.com/downloads.html>

Model Pengiriman :

Satuan :

File format => .dcm
storescu --call DCMROUTER localhost 11112 file.dcm

File format => JPEG lossless format
storescu --call DCMROUTER -xs localhost 11112 file.dcm

File format => JPEG 2000 lossless format
storescu --call DCMROUTER -xv localhost 11112 file.dcm

Recursive (Folder) :

File format => .dcm
storescu --call DCMROUTER localhost 11112 --scan-directories --recurse
STUDY_MR

File format => JPEG lossless format
storescu --call DCMROUTER -xs localhost 11112 --scan-directories --recurse
STUDY_MR

File format => JPEG 2000 lossless format

```
storescu --call DCMROUTER -xv localhost 11112 --scan-directories --recurse  
STUDY_MR
```

Tambahkan untuk org uuid

```
{  
    "system": "urn:dicom:uid",  
    "value": "urn:oid:2.25.360.1.100025594.20231115"  
},
```