

SOP: Configuring DWAPI to transmit Facility details

Updated: Aug 2025

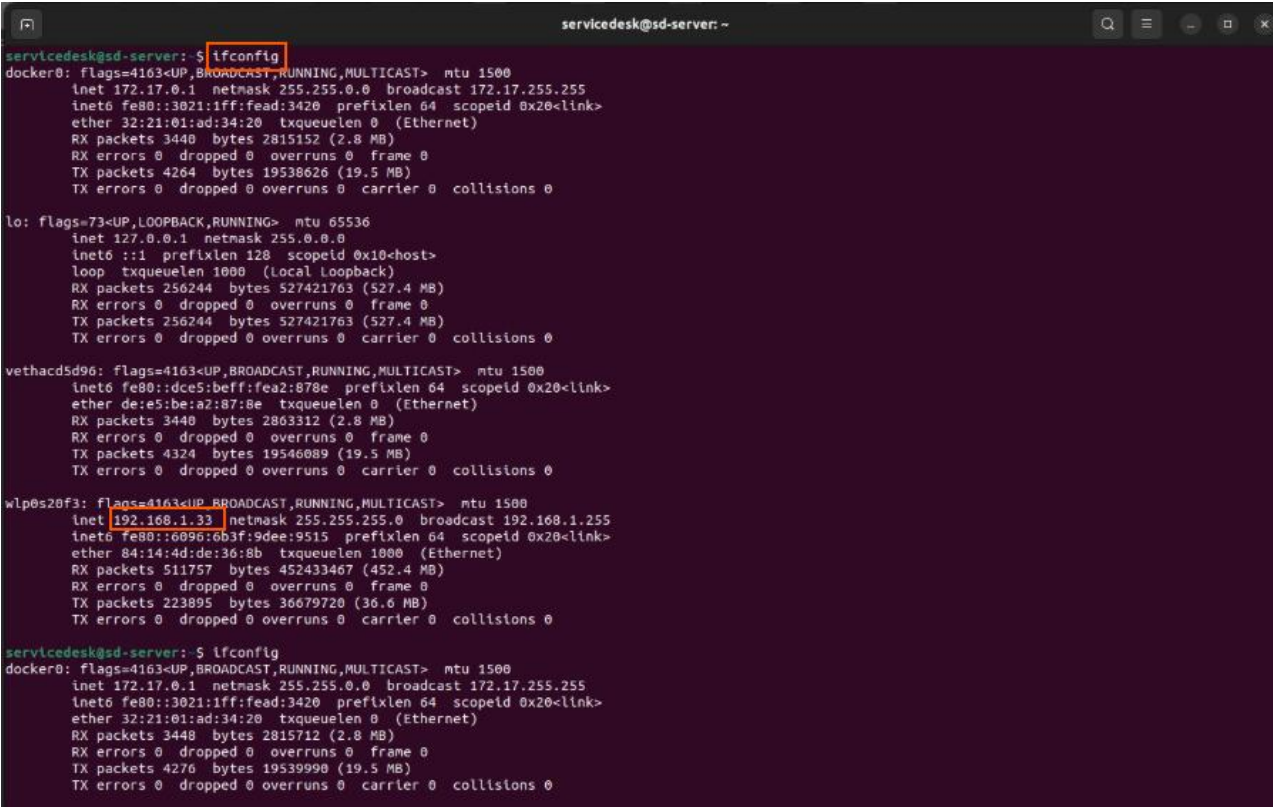
Introduction

The DWAPI application facilitates the transmission of specific data sets (dockets) from a facility's EMR system to the National Data Warehouse (NDW). For this process to function correctly, the facility must ensure proper configuration and settings within the DWAPI application

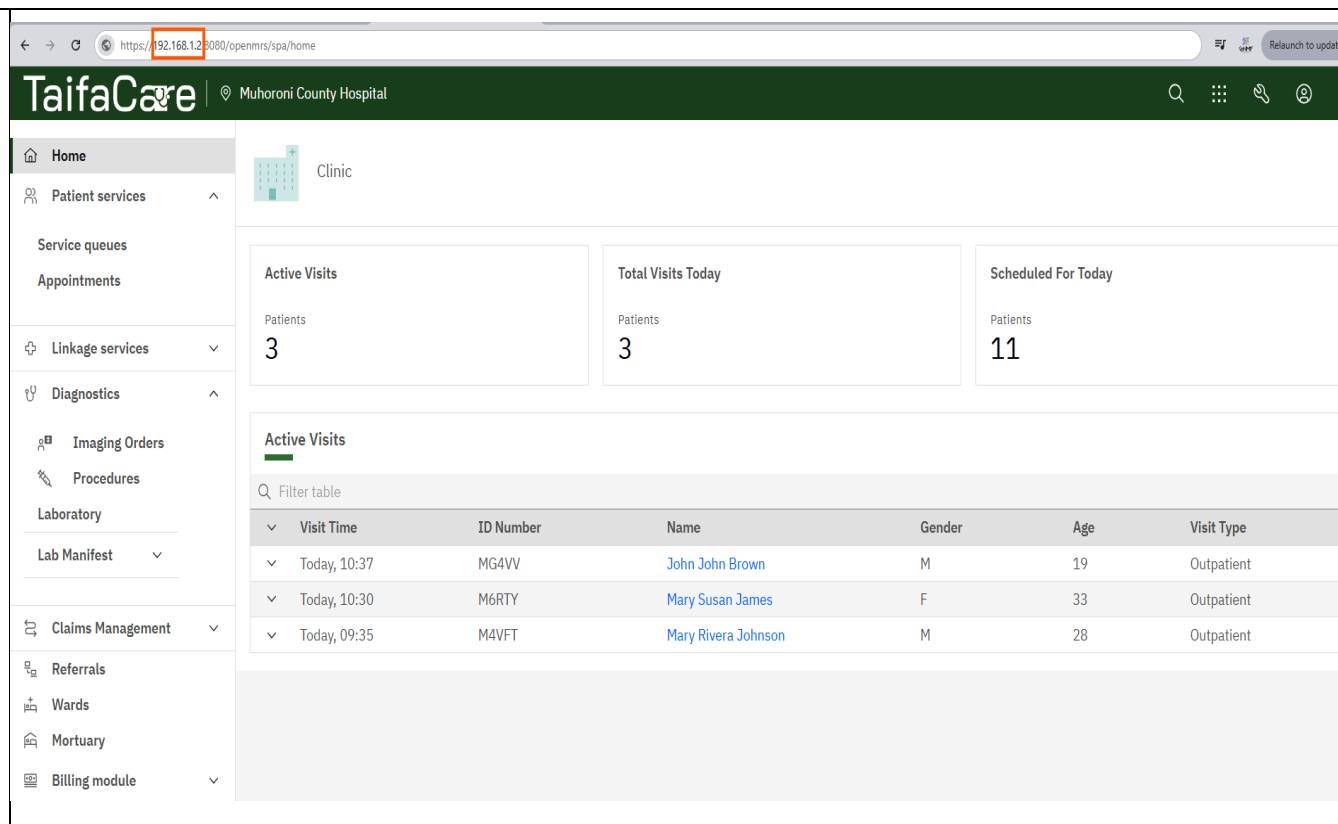
As part of its operations, DWAPI also collects key metrics to help identify the source facility. One of the essential metrics is the facility identifier, which includes the Facility MFL Code and Facility Name.

This guide provides step-by-step instructions on how to correctly configure the REST protocol to ensure DWAPI can capture and transmit the facility name accurately.

Task	To guide the process of configuring and setting up DWAPI to collect facility details.
Objective	To ensure source facility details are correctly updated in the national data warehouse
Target Group	Data officers, System admin, HRIO, Facility EMR Champion
Requirements	Working instance of TaifaCare, Functional instance of DWAPI

Steps	Illustration
Step 1: Identify the IP Address for Taifacare Access To determine the IP address used to access KenyaEMR in your facility, follow these steps from the server hosting the EMR: 1. Check the KenyaEMR Access URL The IP address typically appears in the format: http://192.168.1.2:8080/openmrs 2. In some cases, the system may use a local reference such as: http://localhost:8080/openmrs 3. If the URL uses localhost This means the actual IP address is not explicitly shown. To reveal it: - Open the terminal window on the server. - Run the command: ifconfig This will display the network configuration, including the actual IP address assigned to the server. Note: If you encounter an error while running the ifconfig command, it may be because the net-tools package is not installed. To resolve this, run the following command: <code>sudo apt install net-tools</code> An active internet connection is required to install the package.	

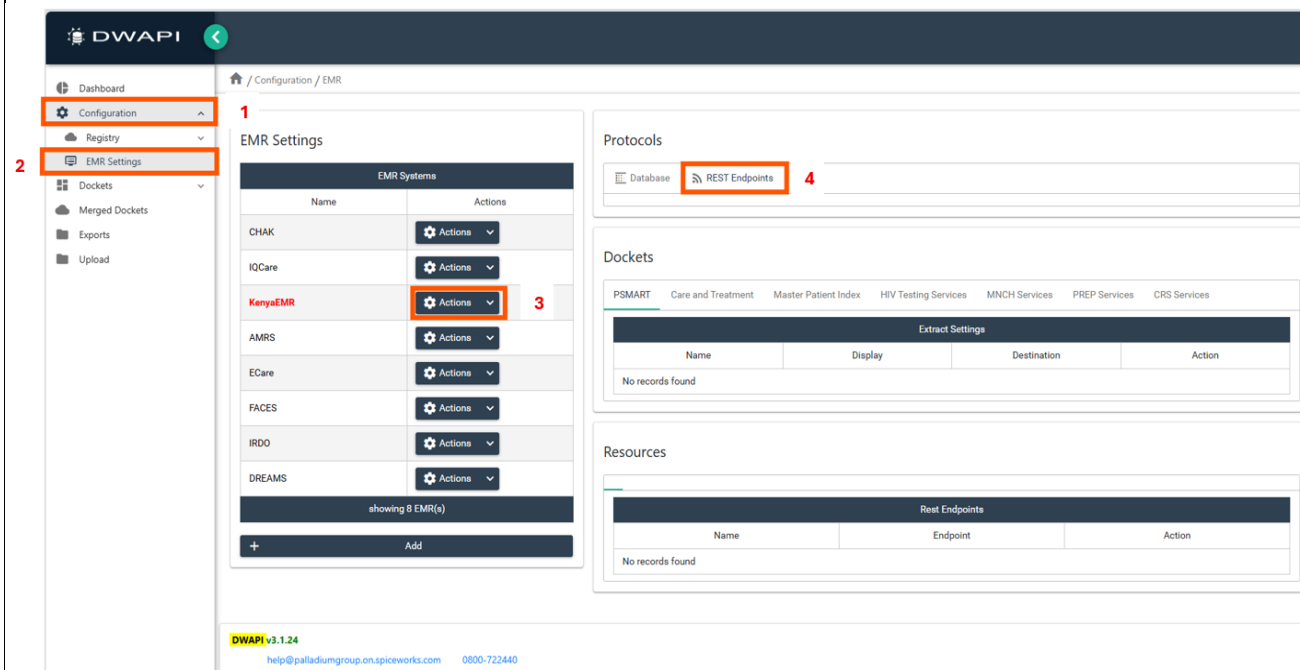
Alternatively, you can simply locate the IP address directly from the browser's address bar, as shown in the highlighted example, and proceed to the next step.



Visit Time	ID Number	Name	Gender	Age	Visit Type
Today, 10:37	MG4VV	John John Brown	M	19	Outpatient
Today, 10:30	M6RTY	Mary Susan James	F	33	Outpatient
Today, 09:35	M4VFT	Mary Rivera Johnson	M	28	Outpatient

Step 2:

1. **Launch the DWAPI Application and login.** Navigate to the **Configurations** section (**Step 1**).
2. Expand the **Configuration** menu and select **EMR Settings** (**Step 2**).
3. Wait for the list of EMR systems to load. Locate **KenyaEMR** and click the **Action** button next to it (**Step 3**).
4. This will open the **Protocols** page. Under the **Protocol** section, click on the **REST Endpoints** tab (**Step 4**).
5. Once done, proceed to the next step.



The screenshot shows the DWAPI application interface. The sidebar on the left contains a 'Configuration' menu with 'EMR Settings' selected. The main content area is titled 'EMR Settings' and displays a table of EMR Systems. The table has columns for 'Name' and 'Actions'. The systems listed are CHAK, IQCare, KenyaEMR (highlighted in red), AMRS, ECare, FACES, IRDO, and DREAMS. The 'Actions' column for KenyaEMR has a gear icon and a dropdown arrow. The right sidebar contains sections for 'Protocols' and 'Resources'. The 'Protocols' section has a 'REST Endpoints' tab selected. The 'Resources' section has a 'Rest Endpoints' tab selected.

Name	Actions
CHAK	Actions
IQCare	Actions
KenyaEMR	Actions
AMRS	Actions
ECare	Actions
FACES	Actions
IRDO	Actions
DREAMS	Actions

showing 8 EMR(s)

Protocols

Database REST Endpoints

Dockets

PSMART Care and Treatment Master Patient Index HIV Testing Services MNCH Services PREP Services CRS Services

Extract Settings

Name	Display	Destination	Action
No records found			

Resources

Rest Endpoints

Name	Endpoint	Action
No records found		

DWAPI v3.1.24
help@palladiumgroup.on.spiceworks.com 0800-722440

Step 3:

1. After clicking the **REST Endpoints** tab (Step 1), the **Base URL** field will appear below.
2. Review the address displayed under **Base URL**. If it differs from the IP address identified in **Step 1**, it must be updated.
3. To edit the Base URL:
 - Click the **Edit** icon (Step 2).
 - This will open the URL field for editing.
4. Proceed to next step

🏠 / Configuration / EMR

EMR Settings

EMR Systems	
Name	Actions
CHAK	 Actions
IQCare	 Actions
KenyaEMR	 Actions
AMRS	 Actions
ECare	 Actions
FACES	 Actions
IRDO	 Actions
DREAMS	 Actions

showing 8 EMR(s)

 Add

Protocols

Database **REST Endpoints** 1

Base URL	Action
http://localhost:8080/openmrs/ws/rest/v1/smartcard	 2

 Add

Dockets

PSMART Care and Treatment Master Patient Index HIV Testing Services MNCH Services PREP Services CRS Services

VMMC Services

Extract Settings			
Name	Display	Destination	Action
pSmart	Smart Card	PSmartStage	

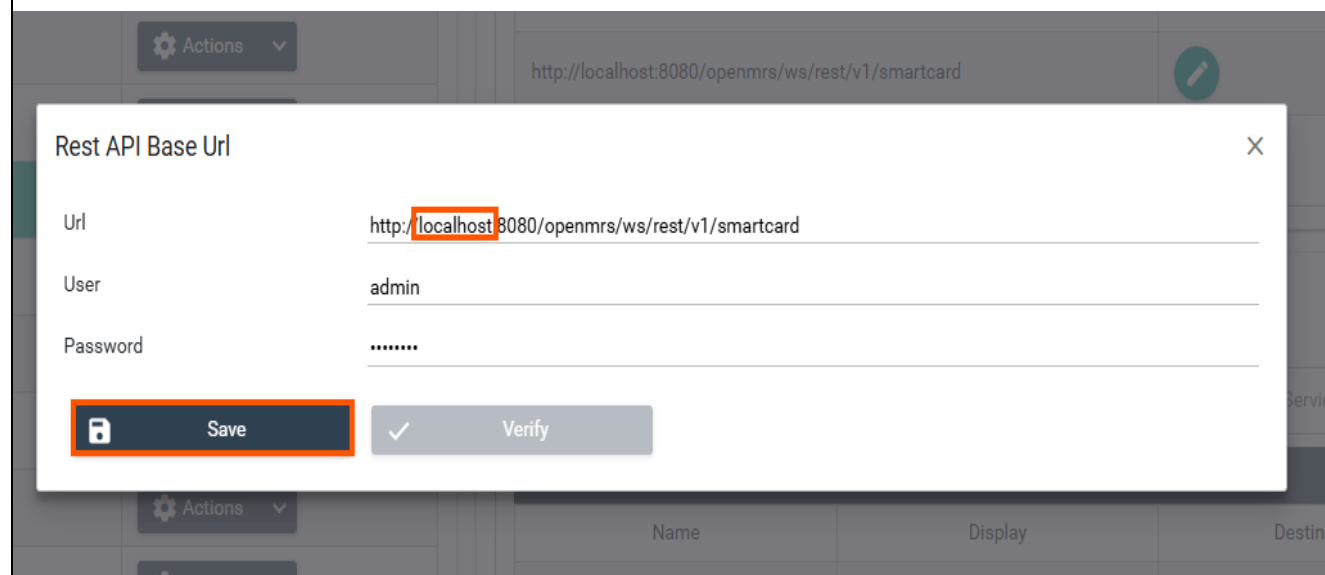
Resources

Step 4:

1. In the **REST Base URL editor window**, verify that the displayed address matches the IP identified in **Step 1**.
2. If the address is different, update it accordingly. Ensure the format follows the structure:
 http://192.168.x.x:8080/openmrs
(Note: Your IP may vary based on your facility's configuration.)
3. Click **Save** to apply the changes and exit the editor.

Important:

- Double-check that the IP address is correct
- Ensure there are **no spaces** in the URL to avoid transmission errors.



THE END