



Programming Guide

Hedsam X TA

Mobile Application Registration

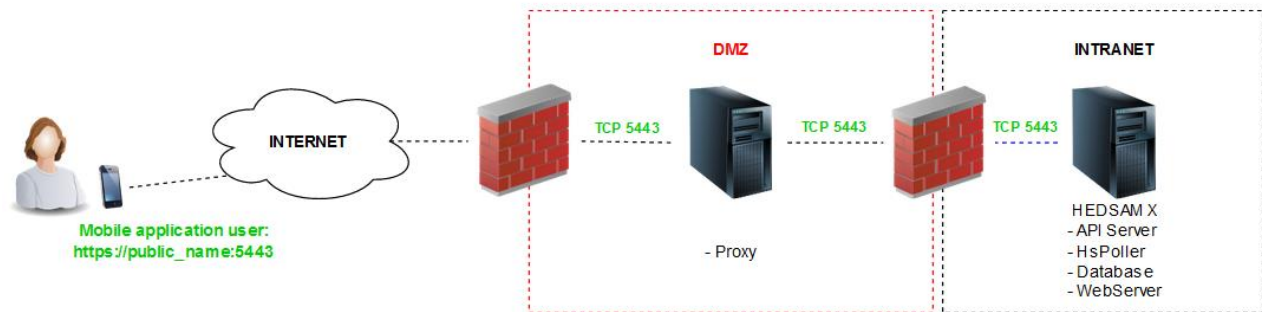
V1.1

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1. Introduction

The following figure illustrates the operation of the mobile application registration in the Hedsam X system.



2. Fire Wall

Open the following port in the fire wall for Internet traffic:

- TCP port 5443

Route the traffic in port 5443 from the fire wall to the DMZ proxy server.

3. DMZ Proxy server

The DMZ proxy server routes the traffic in port 5443 to the intranet, to the API service in the Hedsam server.

1. Define a public name for the server: *https://public_name.fi*.
2. Install the service with the TA Webserver installer in the following directory: **C:\Hedengren\Hedsam\ta-webserver\version**.
3. Install the certificates on the server for SSL authentication and for Proxy services. Move the service certificate files in the following directory: **C:\Hedengren\Hedsam\ta-webserver\version\certs**.

3.1 Proxy Service

1. After installation, open the Nginx service configuration file **C:\Hedengren\Hedsam\ta-webserver\version\conf\nginx.conf** and set the TA Webserver service to listen to port **5443** and define the names of the certificate files.

```

server {
    listen 5443 ssl;
    server_name localhost;

    ssl_certificate ../certs/unsigned-cert.pem;
    ssl_certificate_key ../certs/unsigned-key.pem;
  
```

2. Change the location to: **proxy_pass: https://API_server_IP_address:5443;**

In the following example, the API server IP address is 192.168.0.10.

```

location / {
    proxy_pass https://192.168.0.10:5443;
  
```

4. Hedsam X Server

The Hedsam X server runs the Hedsam API service, Hedsam Web service (user interface), and the database server.

4.1 API Service

1. Install the service with the Hedsam API installer in the following directory: **C:\Hedengren\Hedsam\API Server\version**.
2. After installation, open the Nginx service configuration file **C:\Hedengren\Hedsam\API Server\version\config.json** and set the API service to listen to port **5443**.

```
"network": {  
  "https": {  
    "enabled": true,  
    "address": "0.0.0.0",  
    "port": 5443  
  },  
}
```

3. In the configuration file, change **"devices": true**, to **"devices": false**.

```
"api": {  
  "devices": false,  
  "registrations": true,  
  "debug": false  
},
```

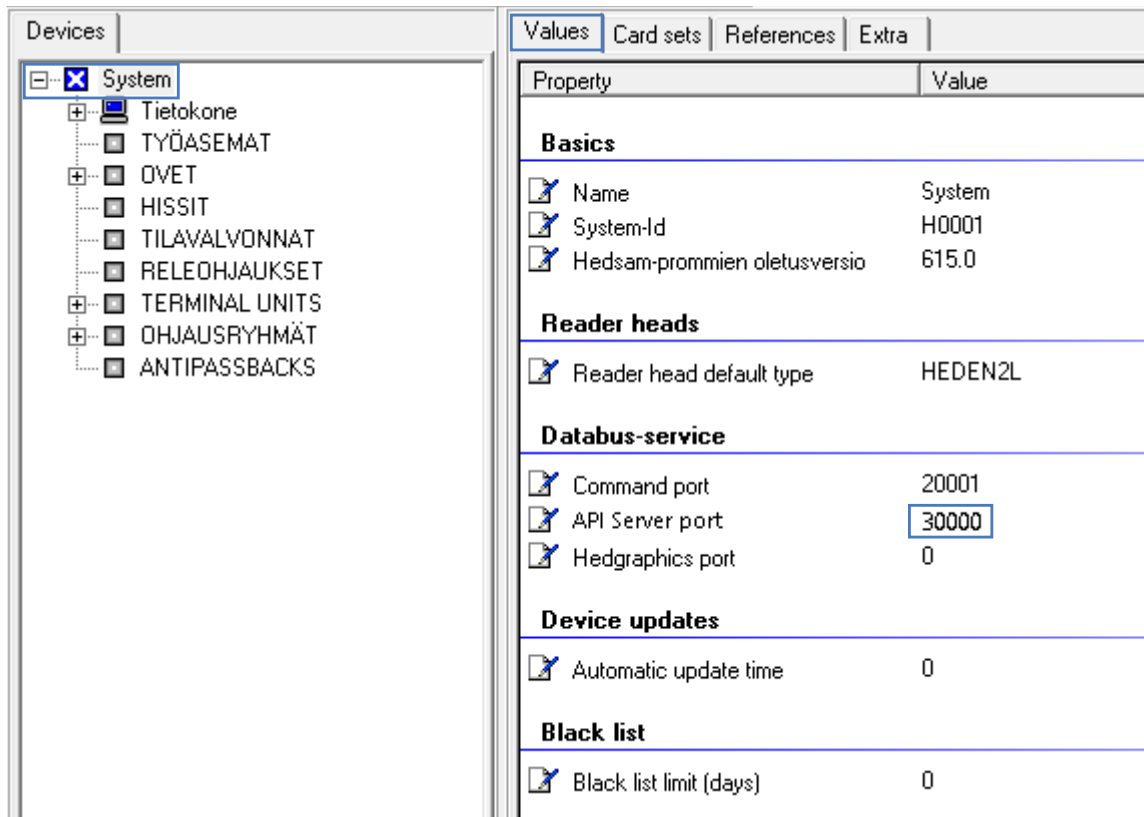
4. By default, the API server listens to the control of the databus on the Hedsam X server in port 30000.

```
"hedsam": {  
  "address": "127.0.0.1",  
  "port": 30000  
}
```

If you change this port to something else, make the same change in the *system.hconfig* configuration file with the HConfig tool.

4.2 Configuring API Service with HConfig Program

Set the API server port to 30000 with the HConfig tool (**System > Values > API server port**).



When you have saved the change in the configuration file, restart the HsPoller service.

5. Mobile Application

The mobile application connects to the public name of the DMZ server: https://public_name:5443

For more information, see *Mobile App Registration User Guide*.