

Health Suite On Premises

IP Address change Procedure

Revision: 01

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Revision History

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| Revision | Date | Comments |
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# Introduction

## Audience

This document is intended for Service Personnel involved with HSOP activities to change the IP address for HSOP infrastructure deployed as part of IaC.

## Scope of the document

* [Chapter 1](#_Overview_about_this) – Overview about this feature
* [Chapter 2](#_IP_address_change_1) - Explains How to change IP address for windows VMs
* [Chapter 3](#_IP_address_change) – Explains How to change IP address for Linux VMs
* [Chapter 4](#_After_successful_IP) – Explains to get HSOP services up and running after IP address changes
* [Chapter 5](#_Acceptance_test) – Explains acceptance test execution procedure so that HSOP stack can be verified post IP address change to close the procedure.

## Conventions

**Important** - Vital information that describes how to properly install, configure, or use the system.

**Note** - Additional information that may help explain an action or procedure.

* All WARNINGS and CAUTIONS are noted in the appropriate sections of the manual, where procedures that warrant them are described.
* This guide also uses the following general format conventions:
* Consolas Font
* Code and commands are formatted in Consolas font.

For example: DNSCMD /ZONEADD www.microsoft.com /DsFORWARDER 207.46.66.126, 207.68.160.190

**Italic Font**

The following elements are formatted in *italic* font:

* References to sections or documents.
* A reference to a variable.
* Emphasis on a word or phrase for clarification.

**Bold Font**

The following elements are formatted in bold font:

* UI elements, including buttons, field names, tabs, and windows.
* File names, folder names, and file paths.
* Application executables, DLLs, etc.
* Classes, functions, methods, and variables.
* Lead-in words or phrases in bulleted lists of paragraphs.

# IP address change

## Overview about this feature

Following procedure is outlined to change IP address(s) of VMs and services on an existing operational HSOP stack at the hospital. This procedure is an in-place update without needing any backup(s) or data migration or a new hardware. This procedure will require a downtime leading to non-availability of the services hosted.

Change in IP address require reconfiguration/registering new IP with RSN , This procedure does not include steps to register new IP address(es) to RSN for remote connectivity. Please refer to remote connectivity guide for RSN registration process.

# IP address change Procedure for Windows

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| **[1]** | **Run [Server Manager] and select [Local Server] on the left pane and click [Ethernet] section on the**  **Right pane.** |

|  |
| --- |
| https://www.server-world.info/en/Windows_Server_2016/initial_conf/img/11.png |

|  |  |
| --- | --- |
| **[2]** | **Right-Click [Ethernet] icon and open [Properties].** |

|  |
| --- |
| https://www.server-world.info/en/Windows_Server_2016/initial_conf/img/17.png |

|  |  |
| --- | --- |
| **[3]** | **Select [Internet Protocol Version 4] and click [Properties] button.** |

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| --- |
| https://www.server-world.info/en/Windows_Server_2016/initial_conf/img/18.png |

|  |  |
| --- | --- |
| **[4]** | **Set Static IP address, Gateway, and others for your local network.** |

|  |
| --- |
| https://www.server-world.info/en/Windows_Server_2016/initial_conf/img/19.png |

|  |  |
| --- | --- |
| **[5]** | **After setting static IP address, changes are enabled on Server Manager.** |

# IP address change procedure for Linux(Centos/RHEL)

4.1 Login to Linux VM

In a terminal type vi /etc/sysconfig/network-scripts/ifcfg-eth0

4.2 Modify the relevant fields as below:

a) DNS1 and DNS2 (only if it’s changed)

b) GATEWAY (only if it’s changed)

c) NETMASK (only if it’s changed)

d) IPADDR

DEVICE="eth0"

BOOTPROTO="static"

DNS1="8.8.8.8"

DNS2="4.4.4.4"

GATEWAY="192.168.0.1"

HOSTNAME="node01.tecmint.com"

HWADDR="00:19:99:A4:46:AB"

IPADDR="192.68.0.100"

NETMASK="255.255.255.0"

## Once changes are made restart network service with below command:

# systemctl restart network

## .

# After successful IP address change follow below steps to make HSOP configuration and restart services

1. Login to Basestation and in terminal type **vi /etc/hosts**
2. Update the changed IP addresses keeping the same hostnames (ex : 0.0.0.0 bst.siteid.hsop.net)
3. Save the **/etc/hosts** file
4. Reboot Base station manually
5. After a successful reboot login to base station
6. Go to HSOP code home folder (ex: /home/hsopsvc/HSOP2.0.0.0)
7. Navigate to Wrapper script folder
8. Open **input.yml** file and update the new IP address and other details( network group,gateway, subnetmask only if those fields are changed)(this change is required for future SW upgrades ex: adding new VM)
9. Save **input.yml** file
10. Run Script called **postip\_changes.sh (command: ./ postip\_changes.sh)**
11. Verify all the HSOP services by running [Acceptance test](#_Acceptance_test)

# Acceptance test

1. Login to Basestation
2. Go to HSOP code home folder (ex: /home/hsopsvc/HSOP2.0.0.0)
3. Navigate to acceptance\_test folder
4. Run below command

* **python3.6 acceptancetest.py**

1. Above command will make sure all the services are up and running post IP address change to close the procedure.