System Name: E07BD4C4S5

Mylan ID, system or serial #: FCH25297BME

Server's Primary Function: ESXIHOST

IQ Start Date: 26-11-2024

Post Execution Approval			
Name, Title, Department	**Role**	**Signature**	**Date**
Performed by:			
Keshavamurti Vadavi	Implementer		N/A
Reviewed by:			
Mohammed Shafeek M	Reviewer		N/A
Approved by:			
Santhosh Kumar M	Approver		N/A

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1. PURPOSE

This document covers the setup and installation procedures for ESXi Severs. The parameters to be entered and the steps to be taken to install and configure the software are detailed in this document.

2. SCOPE

This document contains ESXi installation instructions. These instructions include steps that are executed on the physical server, and steps that are executed within the Virtual Infrastructure Client software. All configuration steps that qualify ESXi servers to be used in the Mylan production environment are detailed in this document.

3. ACRONYMS, ABBREVIATIONS, TERMS AND DEFINITIONS

This section defines the abbreviations, acronyms, terms and definitions that are specific to this document.

Table 1: Abbreviations, Acronyms, Terms, and Definitions

Abbreviations, Acronyms and Terms	Definition
ESXi Server	Virtual infrastructure software used for partitioning, consolidating, and managing servers.
VMotion	The ability to move a running virtual machine from one host to another wile maintaining continuous service availability.
DNS	Domain System Name
IP Address	Internet Protocol Address
Virtual Infrastructure Client	Software that aids in monitoring and managing virtual machines.

4. ASSUMPTIONS, LIMITATIONS, EXCLUSIONS

4.1. Assumptions

- All hardware and software needed for the installation have been acquired.
- A DNS Server exists.
- The hardware meets or exceeds the minimum server requirements of ESX Server as outlined in the product installation guide.

4.2. Limitations

- N/A

4.3. Exclusions

- NA

5. REFERENCES

The following documents were used in the development of this Installation Qualification:

- MPI-SOP-ADM-ALL-0006 Computer Systems Validation
- MPI-SOP-IT-GTS-0001 Systems Security
- MPI-SOP-IT-GTS-0003 Equipment Installation and Qualification
- MPI-SOP-IT-GTS-0004 Maintenance
- MPI-SOP-IT-GTS-0005 Disaster Recovery
- MPI-SOP-IT-GTS-0007 IT Computer Systems Backup and Restoration
- MPI-SOP-IT-GTS-0008 Data Center Access

6. ADDENDUMS, SUPPLEMENTS, REVISIONS

Addenda, supplements, and revisions to this document are permitted. Quality Assurance will determine the effective date at the time of the revision approval.

If it becomes necessary to amend, supplement, or revise this document, these changes will be prepared in the format of this document, and will be reviewed and approved by those individuals specified in the last revision of the original plan or an appointed designee.

7. INSTALLATION QUALIFICATION

The installation will be performed according to the manufacturer's specifications. Pre-approved installation procedures will be created and used to document the execution of the installations steps. Any exceptions to the qualification will be documented.

7.1. Prerequisites

✓ Create a DNS entry for the management hostname before completing the installation steps.

7.2. ESX Version

The ESX version to be installed is:

Table 2: ESX Version

Please Record ESX Version below:
8.0 Update 2

7.3. Documentation

☐ Create a server folder that will be filed in the I/S Server Validation File Cabinet and insert this document, after completion, into the folder.

☐ Label the server and server faceplate with its name and service tag.

☐ Complete a Configuration Sheet and put it in the server folder.

8. INSTALLATION

8.1. Customize System

The following customization steps are to be performed on the physical server after it has booted for the first time:

- Configure Root Password
  - Enter a strong root password and then select OK.
- Configure Management Network
  - Select appropriate Network Adaptors. At least two need to be selected before continuing.
  - IP Configuration
    - Select the "Set Static IP Addresses" Option
    - Enter IP Address and Record it here:

      | 172. | 26. | 208. | 79 |

      IP Address

      | 255. | 255. | 255. | 128 |

      Subnet Mask

      | 172. | 26. | 208. | 1 |

      Default Gateway

  - DNS Configuration
    - Select the "Use Following DNS Servers" option and enter the IP address of the Mylan DNS servers for the primary and alternative section. Record DNS IP's used below:

      172. . 20. . 31. . 102

      172. . 26. . 252 .133

    - Fill in the Hostname by giving the fully qualified hostname of the server. Record the Hostname used below:

      E07BD4C4S5.myl.com

- o Custom DNS Suffixes
  - Fill in the Suffixes area with "myl.com."
- o Exit network configuration and save changes.
- Select "Restart Management Network," press F11 for OK, and then hit enter.
- Select "Test Management Network." Ensure that all tests complete successfully

The following instruction will be complete using the Virtual Infrastructure Client software.

- Open and log into the Virtual Infrastructure Client
- Add host to the correct cluster on the Virtual Infrastructure Client. Record the cluster below:

  07UORADR001

- This will open and setup wizard.
  - o In setup wizard enter the hostname and the root username and password.
  - o On the Lockdown Mode screen, click Next.
  - o On the Choose the Destination Resource Pool screen, click Next.
  - o Select Finish on the Ready to Complete screen.
- After setup is done go to Host Configuration and do the following:
  - o Click on Networking and then go to Add Networking
    - Click the "VM Kernel" radio button and click Next
    - Select at least two network adaptors and click Next
    - Check the "Use this Port Group for VMotion" box. Enter the IP Address recorded earlier and ensure that the Default Gateway information is correct. Click Finish.
  - o Click on Add Networking again
    - Click on the "Virtual Machine" radio button and click next.
    - Select at least two network adaptors and click Next.
    - Click Next.
    - Click Finish.
  - o Click on Licensed Features
    - Select Edit beside the Licensed Features option
      - Use a valid licensed server and enter server's name in field.
    - Select Edit beside the ESX Server Edition option
      - Select the "ESX Server Standard" radio button and click OK.
    - Select Edit beside the Add On option
      - Check all boxes and click OK.

- o Click on Time Configuration
  - Select the "Properties" option
  - Select NTP Configuration Options
  - Under the NTP Setting provide the correct NTP servers and record them below:

        apacntp.myl.com

        emeantp.myl.com

        usntp.myl.com

  - Check the "Restart NTP Service to Apply Changes" box and click OK.

8.2. Installation Summary

Installation Conclusion
Has the Installation Objective been met and **ALL** installation steps **Passed**? Have **ALL** unexpected results been resolved? (Reviewer initials and date)
Circle One: (Yes)   No

Comments
N/A

Performed By:		Date:	N/A
Reviewed By:		Date:	N/A

9. REVISION HISTORY

Version	Description of Change	Revised By
1.0	Original	

10. ATTACHMENTS

10.1. Installation Discrepancy Log

10.2. Installation Discrepancy Form

Attachment 10.1 – Installation Discrepancy Log

Installation Discrepancy Form

Discrep-Number	Date Recorded	Problem Description	IQ Step / IQ Install ID	Date Resolved	Date Approved
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A

Attachment 10.2 – Installation Discrepancy Form

Installation Discrepancy Form

Mylan ID or System or Sn: _____ N/A _____

Scope:

This form provides a means to create a document addendum for Qualification Protocols for computerized systems. This form is valid for use for recording Installation Deviations and to note the creation of additional installation procedures.

Document Type: IQ

Change Type: Addition ☐ Deletion ☐ Edit ☐

Document Section: ___N/A___ Installation ID: ___N/A___

Install Failure Identification: Cause: ___N/A___ Severity: ___N/A___

Classification Cause	Classification Severity
1. User error - The installation failed due to an error in execution by the user	1. Cosmetic or performance (Low)
2. Installed Failed - The installation did not prove the intended functionality	2. Functional failure (Medium)
3. Poor data - Inappropriate data for executing the installation	3. Data loss or corruption (High)
4. Documentation - The acceptance criteria/installation procedure was written incorrectly	

Comments / Proposed Action (Installation step edited, deleted or new installation step added - new installation steps should conform to the standard in the approved Installation Protocol and be attached):

N/A

N/A

N/A

Check for New Installation: Yes ☐ No ☐

Required Signatures:

Printed Name	Signature	Date Reviewed
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A