

**VMware Virtual Machine
Installation Qualification****u22vlmsedbp03**

System Name**Viatrix LabWare LIMS**

System's Primary Function**FINAL APPROVAL**

Completion of the following signature block signifies that the appropriate parties have reviewed and have approved this installation qualification. The undersigned agree that system is installed completely, properly, and is in an environment suitable for its intended use.

Performed By: _____ Date: _____ N/A _____

Performed By: _____ N/A _____ Date: _____ N/A _____

Technical/Peer Review: _____ Date: _____ N/A _____

Information Systems: _____ Date: _____ N/A _____

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1. Purpose

This document will be used for the installation and configuration of a Virtual Machine in the Mylan Inc. VMware environment.

2. Scope

This document is specific to Linux and Windows operating systems and VMware.

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
IQ	Installation Qualification
IQS	Installation Qualification Scripts
IP Address	The Internet Protocol (IP) is the method or protocol by which data is sent from one computer to another on the LAN and the Internet. Each computer (known as a host) on the Internet has at least one IP address that uniquely identifies it from all other computers on the Internet.
SAN	Storage Area Network – Hardware and software combined to interconnect different data storage devices with associated data servers.
Guest Operating System	Currently supported Operating Systems for use on VMware can be found at http://www.vmware.com .
WI	Approved Work Instructions that define processes for miscellaneous task.
Installation Source	The source by which the VM was built. VMware Template, ISO, or Clone.
DMZ	(demilitarized zone) – the virtual area, protected by at least one or more firewalls, between Mylan's internal network and the Internet
Virtual Center	Software that manages an enterprises virtual machines as a single, logical pool of resources.
Virtual Machine	A self-contained operating environment that behaves as if it is a separate computer.
Data Store	The storage location for virtual machine files.
Hostname	The unique name by which any device attached to a network is known.
Template	An existing customizable VM Image used to create the desired VM

Abbreviations, Acronyms and Terms	Definition
VMFS	The file system VMWare uses for storing virtual machine disk and configuration files
Network Port Group	A set of ports on a virtual switch configured with common attributes.

4. References

- 4.1. IT-WI-8508-0024: Work Instruction Deploying Virtual Machine from Template (Windows VM Work Instruction)
- 4.2. IT-WI-8508-0026: Work Instruction Deploying Linux Virtual Machine from Template (Linux VM Work Instruction)

5. Assumptions, Limitations, Exclusions

- 5.1. Assuming all hardware and software has been acquired for installation.

6. Addendums, Supplements, Revisions

- 6.1. 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

- 7.1. 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.
- 7.2. The signature of the person who conducts the installation and the associated date will indicate the completion of the installation. Any person executing installation qualification must record all deviations from the expected results while conducting the installation.
- 7.3. When executing IQ, attach the appropriate attachment. Attach Attachment 1 for Linux and 2 for Windows, and remove the other.
- 7.4. If an exception or deviation in the installation is found, a deviation must be recorded within Attachment 3. If there are no deviations, line through, initial, and date the page.
- 7.5. The same person cannot execute the installation steps and review the obtained results.
- 7.6. The Reviewer of the completed installation will ensure that all steps have been executed, check that all deviations and exceptions have been recorded, and ensure the correct attachment is attached.

8. Host Configuration

8.1. Host Name:

u22vlmsedbp03

8.2. VMware Cluster:

ORACLE

8.3. Operating System Deployment Source:

gbl-rhel8db-tmp

8.4. Network Information:

Network Connection Label	Host IP Address	Subnet Mask	Default Gateway
ens192	10.1.105.140	255.255.255.128	10.1.105.129
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

8.5. Network Port Group

VM Network 4

8.6. System Monitoring

N/A

9. List Attachment to be followed for Operating System Configuration

9.1. If system is Linux include Attachment 1. _____

Initial/Date

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9.2. If system is Windows include Attachment 2. _____ N/A _____

Initial/Date

10. Post Installation Tasks

10.1. Complete a Remedy Change Request after completion of this Installation Qualification using the "Computer System IQ" change template. Fill out the required information and follow the instructions in the "Notes" field. Assign the change to your Change Manager and submit the change request. This will create a latent change request and notify the Hardware Change Manager to add a Configuration Item to the Remedy CMDB.

10.1.1. CMDB Remedy Case #

_____ CHG0181656 _____

10.2. Complete a Remedy Incident using the Install and Configure Veritas Backup Software (Windows) template and fill in all required questions.

10.2.1. NetBackup Remedy Case #

_____ CHG0181656 _____

10.3. Complete a Remedy Incident for Security Scan and fill in all required questions.

10.3.1. Security Scan Remedy Case #

_____ CHG0181656 _____

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1. Attachment 1: Linux Configuration

1.1. Linux Version

Red Hat Linux Enterprises 8 (64 bit)

1.2. Operating System Updates not applied

N/A

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1. Attachment 2: Windows Configuration

1.1. Windows Version:

_____ N/A _____

1.2. Service Pack Installed:

_____ N/A _____

1.3. Excluded Windows Updates:

_____ N/A _____

1.4. Active Directory Domain or Workgroup

_____ N/A _____

1.5. Active Directory Users and Computers Organizational Unit

_____ N/A _____

1.6. Local Administrator Name

_____ N/A _____

1.7. Non-Standard Administrators

_____ N/A _____

_____ N/A _____

_____ N/A _____

1.8. Volumes and Capacities

Volume Label	Volume Name	Capacity
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

1.9. Additional Windows Components

N/A

N/A

N/A

1.10. Antivirus Version

N/A

1. Attachment 3: IQ Deviations

[illegible]