Lifecycle Management - ████ environment

Overview

Version: 1.1

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Background

███ is planning to lifecycle the current ███ environment including ███ database, ███ services, ███ Management Utility and the ███ Software catalogue.

The main reason for this activity is to secure compliance with future development and improve security. This LCM means to upgrade the ███ Master to Windows 2012R2, .Net 4.5 and Oracle 12c.

Since ████████████ hosts its own ███ environment with its own ███ Master ██████████████ an LCM needs to be planned separately.

In order to secure ███ development at ██ and keep the ████ environment on the same level as ███, it is recommended to follow the LCM cycle.

Requirements

██████ recommends a new server which can be a Virtual or physical machine.

1. Hardware requirements:

    Physical or Virtual Server containing C:\ and D:\ drive with disk space of about 1,5 TB for master cache.

2. Analyse the current ███ Master ████████████████████ in terms of warranty, disk space, and capability of matching the hardware requirements from IKEA. Nevertheless IKEA recommends to install a second server in any case in order to secure a safe migration.

    Warranty:

    With reference to the picture below, the server ██████████ ██████ is out of warranty but has an extended support until 2018.

    HP DL380p Gen8 8-SFF CTO Server   SN:██████████   View details
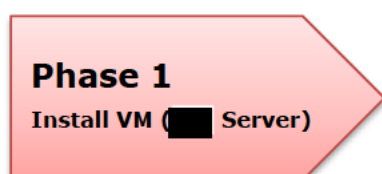
Type	Identifier ℹ	Service type	Start date	End date	Status
HP Care Pack	#####	6-Hour, 24x7, Call-To-Repair, HW Support			
		HWM Onsite	01-May-2013	30-May-2018	Active
Base Warranty	███	Wty: HPE HW Maintenance Onsite Support	25-Apr-2013	01-May-2016	Expired
		Wty: HPE Support for Initial Setup	25-Apr-2013	30-Jul-2013	Expired

Timeplan

████ **timeplan**

Domain	Description	Status
████	Development Domain	Finalized
████	Development Test Domain	In pipeline/ongoing
█████	Production ████	Database migration W25 rest follows during summer 2016
███████	Production ███████	preferred T1/FY17

████████████ **timeplan**

| July 2016 | Phase 1 | August 2016 | Phase 2 | Sept 2016 | Phase 2 + 3 |

Phase 1
Install VM (██ Server)

████████

☐ Install VM as ██ Server with Windows 2012 R2
☐ Inform ██ Responsible ██████████ when ready

Phase 2
Install DB & Updates

██████ & ██:

- ☐ Install Oracle & additional SW required
- ☐ Configure ████ on new server
- ☐ General support from ███ Responsible ████████

Phase 3
Switch to new ███ Master

██████████

- ☐ Go Live with new ███ Master

Resource planning

Personnel:

███████:	installation VM – Phase 1 (4 hours)
████████	installation Phase 2 - ████ Master (40 hours)
██ Responsible ██:	coordination & technical hands on (20 hours)

Hardware:

VMWare with Windows 2012 R2

Investment/costs:

1 Virtual Machine
64 hours

Specification/Resource requirements:

Server Configuration:

Virtual machine with the following specifications:
Processor: 4 processors
Memory: 16 GB
Disc Space: C:\drive: 60GB, D:\drive: 1,5 TB

████████ has tested on both Hyper-V and VM Ware and both are working fine.

Software:
Operating System: Windows 2012 R2 ████ Server)
Database: Oracle 12c
Additional SW: .net 4.5

████████ will take care of the DB installation and any additional modules which are required.

Risks

Impact: If a VM is created for the new ████ Master, there is no major impact. Preparation and changes can be performed in a separated step. The switch will be done later on in a controlled activity.

Downtime: at the time of the switch, there will be a downtime of about 3 – 4 hours.