

KB LEVEL: SVR	KB ARTICLE	KB NUMBER: 01
	<i>Create New Centos VMWare Instance Server</i>	

KB Category:	Internal		
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Problem Description:	Create new Centos server instance in VMware
Symptoms and Cause of the issue:	Creation of new centos server instance in VMware

Procedures:

Step 1: Log-on to the web interface of VMWare ESXi using the credentials below

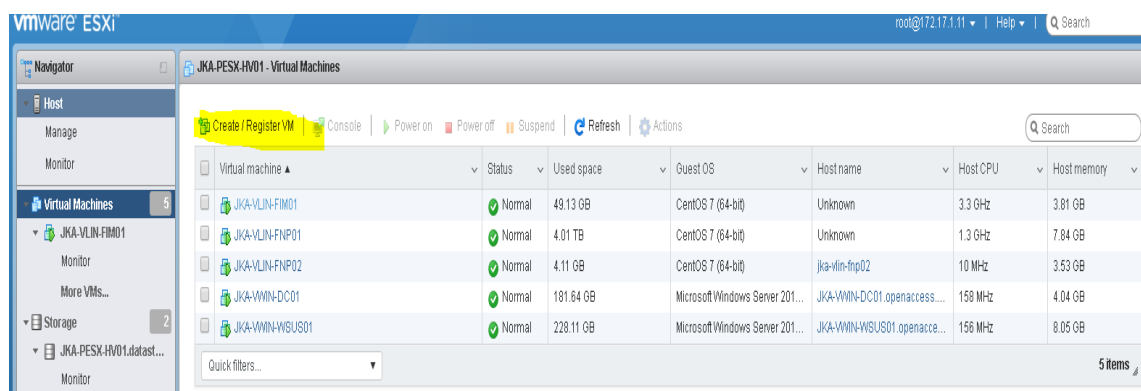
Username: root

Password: P*****t

Server Links:

[JKA-PESX-HV01](#)

Step 2: From the Virtual Machines section, click on Create/Register VM > Create New Virtual Machine.



Step 3: Name it JKA-VLIN-"name of the server functionality" > select the following:

> Guest OS Family: Linux

> Guest OS Version: CentOS-7 (64-bit)

- 1 Select creation type
- 2 Select a name and guest OS
- 3 Select storage
- 4 Customize settings
- 5 Ready to complete

Select a name and guest OS

Specify a unique name and OS

Name

Virtual machine names can contain up to 80 characters and they must be unique within each ESXi instance.

Identifying the guest operating system here allows the wizard to provide the appropriate defaults for the operating system installation.

Compatibility: ESXi 6.7 virtual machine

Guest OS family: Linux

Guest OS version: CentOS 7 (64-bit)

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3 Select storage
4 Customize settings
5 Ready to complete

Standard Persistent Memory

Select a datastore for the virtual machine's configuration files and all of its' virtual disks.

Name	Capacity	Free	Type	Thin pro...	Access
JKA-PESX-HV01.datastore1	550.75 GB	139.5 GB	VMFS6	Supported	Single
JKA-PESX-HV01.datastore2	6.55 TB	2.42 TB	VMFS6	Supported	Single

2 items

Step 4: Next, select JKA-PESX-HV01.datastore2 > customize the settings:

- > CPU: 2
- > Hard Disk 1: 30 GB
- > CD/DVD Drive 1: Datastore ISO File

New virtual machine - test (ESXi 6.7 virtual machine)

1 Select creation type
2 Select a name and guest OS
3 Select storage
4 Customize settings
5 Ready to complete

Customize settings

Configure the virtual machine hardware and virtual machine additional options

Virtual Hardware VM Options

Add hard disk Add network adapter Add other device

CPU

1

2048

MB

16

GB

SCSI Controller 0

VMware Paravirtual

SATA Controller 0

USB controller 1

USB 2.0

Network Adapter 1

VLAN10

Connect

CD/DVD Drive 1

Host device

Connect

Video Card

Specify custom settings

Back Next Finish Cancel

> Add another Network Adapter for management IP

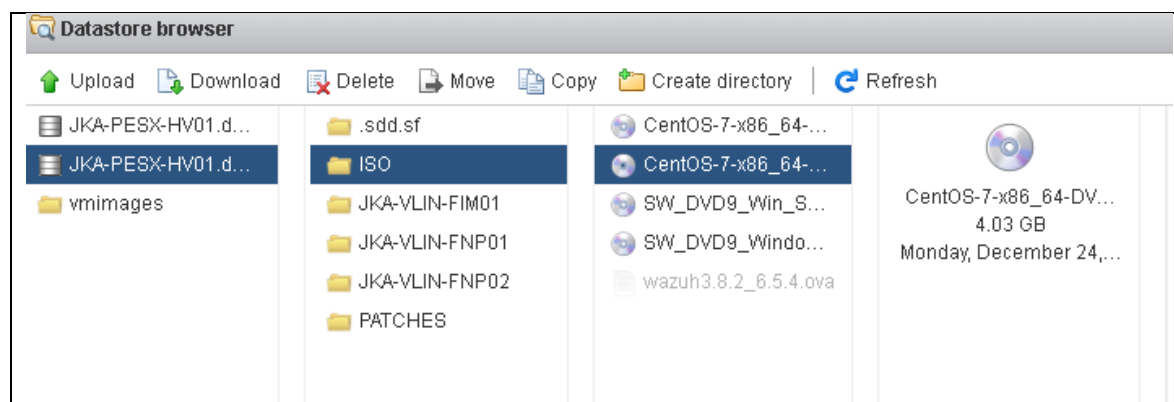
Network Adapter 1
New Network Adapter

VLAN10
VM Network

Connect
Connect

Step 5: On the Datastore browser, go to JKA-PESX-HV01.datastore2 > ISO > Upload > select Centos-7x86_64

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Step 6: Follow the Wizard until Finish.

Step 7: Once done, right click on the VM created > Power > Power On.

Step 8: Follow Centos-7 installation wizard and wait until VM boots up.

Step 9: Enter the root credentials to login. Go to /etc/sysconfig/network-scripts/ifcfg-eth* and set static IP for the server

> IP: ***.***.***.***

> Subnet Mask: 255.255.255.0

> Default Gateway: 172.17.0.254

> Preferred DNS: 172.22.1.1

> Alternate DNS: 8.8.8.8

```
DEVICE=eth0
HWADDR=08:0C:29:46:6A:95
TYPE=Ethernet
UUID=25a7bad9-616a-40a0-ace5-52aa0af9fdb7
ONBOOT=no
NM_CONTROLLED=yes
BOOTPROTO=dhcp
```

Step 10: Next, rename the server hostname > hostnamectl set-hostname JKA-VLIN-FIM01 and reboot the server for the changes to take effect.

Step 11: Follow server hardening baseline for centos G-SVR 3.10 Server Baseline > JAKA|GL2-Linux <https://drive.google.com/file/d/1x2laSTtjs-c1DZ1lzeneJnOhozmE-AXDf/view?ts=5d0a622d>

Step 12: Log back-in and Configure SSH connection

> yum install openssh openssh-server openssh-clients openssl-libs

> cp /etc/ssh/sshd_config /etc/ssh/sshd_config.orig

> vi /etc/ssh/sshd_config and find port 22 and change it to port 3489.

> hit wq! to save file.

> Restart SSH service "systemctl restart sshd.service"

> Able to connect now via SSH using port 3489