

Damas town Location C6 Esxi Details.

05 November, 2024 3:15 PM

IDRAC IP Details:
VLAN 152 - 10.243.94.76 -- Ec6rr7u02-imm.myl.com
VLAN 152 - 10.243.94.77 -- Ec6rr7u04-imm.myl.com
VLAN 152 - 10.243.94.78 -- Ec6rr7u06-imm.myl.com

ESXi IP Details:
VLAN 152 - 10.243.94.79 -- Ec6rr7u02.myl.com
VLAN 152 - 10.243.94.80 -- Ec6rr7u04.myl.com
VLAN 152 - 10.243.94.81 -- Ec6rr7u06.myl.com

VLAN 152 -- IP- 10.243.94.79 Subnet:255.255.255.128 GW 10.243.94.1 Hostname: Ec6rr7u02.myl.com
VLAN 152 -- IP- 10.243.94.80 Subnet:255.255.255.128 GW 10.243.94.1 Hostname: Ec6rr7u04.myl.com
VLAN 152 -- IP- 10.243.94.81 Subnet:255.255.255.128 GW 10.243.94.1 Hostname: Ec6rr7u06.myl.com
Pref DNS: 10.243.94.112

Alternate DNS: 10.250.31.41 NTP Settings: EMEANTP.myl.com, GNTTP.myl.com, APACNTP.myl.com

Vmotion IP Details:

Vlan : 2010
IP : 10.243.93.101 - 103
SM : 255.255.255.255.224
DG : 10.243.93.97

Steps to Install New Esxi Build:

- 1)create CI
- 2)create RITM for IP address reservation
- 3)create change for each build
- 4)validate the N/W port status and storage & FC port status RAM&CPU as well in IDRAC console
- 5)Ask storage team to get Boot LUN and scratch partition mapping
- 6)once they assign SAN storage to the server got the boot manger - UEFI boot menu - virtual optical menu
- 7)mount the Esxi ISO and start the installation
- 8)choose the LUN storage to install OS
- 9)Once installed OS it's not getting boot up we have to enable SAN boot enable.
- 10)assign the IP and subnets and all
- 11)set the password
- 12)login with esxi console in browser
- Need to configure network,added to ENT & MFG Networks and created VM kernel adapter for VMotion
- scratch partition, datastore,
- Added datastores through LUN in the cluster
- Made datastore cluster
- Executed hardening script and roundrobin script
- Checked the vmotion in the cluster by test vm
- Set rules HA, DRS, EVC mode, assigned license,

LUN's For New Esxi Servers:

nc6clst003:> lun show
Vserver Path State Mapped Type Size

nc6vssan003 /vol/V_C6_C3N1T0_EC6RR7U02_BOOT_FCP/L_EC6RR7U02_BOOT_FCP online mapped vmware 50GB
nc6vssan003 /vol/V_C6_C3N1T0_EC6RR7U04_BOOT_FCP/L_EC6RR7U04_BOOT_FCP online mapped vmware 50GB
nc6vssan003 /vol/V_C6_C3N1T0_EC6RR7U06_BOOT_FCP/L_EC6RR7U06_BOOT_FCP online mapped vmware 50GB
3 entries were displayed.

To set scratch partition :
Get-VMHost -Name ebgr165u21.myl.com | Get-AdvancedSetting -name
"ScratchConfig.ConfiguredScratchLocation" Set -AdvancedSetting -Value
"/vmfs/volumes/67382ebc-23318a4d-71e3-6cfe484a3d8/Scratch_Partition/C6HADRS003/locker-ec6rr7u02" -Confirm:\$false

Fibre Channel Target Configuration for BOOT LUN

Primary-->pwwn 20:10:d0:39:ea:57:a1:a0=1st
pwwn 20:0f:d0:39:ea:57:a1:a0=2nd adapter
Secondary -->pwwn 20:04:d0:39:ea:57:a1:a0
pwwn 20:08:d0:39:ea:57:a1:a0=1st
adapter

Esxi Hostname	IDRAC IP Address	Esxi IP Address	Change Request
Ec6rr7u02.myl.com	10.243.94.76(root/Viatrix)	10.243.94.79	CHG0167014
Ec6rr7u04.myl.com	10.243.94.77	10.243.94.80	
Ec6rr7u06.myl.com	10.243.94.78	10.243.94.81	

Manual Esxi Build Reference CR: CHG0141320, CHG0141320, CHG0141322, CHG0141323, CHG0141324
Broadcom login:
Vinayyadav944@gmail.com
Supp0rt#456

ESXi change Request Details:

This change has been created for building a New ESXI server at C6-DUBLIN site with below mentioned configuration.

#Platform

VMWare vCenter: wb5vc001
VMWare Datacenter: C6-DUBLIN
ESXi Cluster : BGHADRS001
P/V: P (Physical)
OS: VMware ESXi
Version: 8.0.1
CPU: Intel(R) Xeon(R) Gold 6342 CPU @ 2.80GHz
Physical Processors 2
Logical Processors 48
RAM: 1024 GB
SAN Boot Storage: 50GB for OS
#Network
Network configuration details: -
2 NIC for ESXi management. They will be connected with same standard virtual switch and will provide fail-over for each other.
2 NIC for VM data traffic. They will be connected with same distributed virtual switch and will provide fail-over for each other.

IP Address Details: -
ESXi Host Name : ec6rr7u02
ESXi Management IP: 10.243.94.76
Vmotion IP : 10.243.77.113
iSCSI IP: 10.243.77.79
CIMC IP: 10.243.77.19
#Facilities
- Server Name: EBGR165U21
- Server Make: Cisco
- Server Model: Cisco UCS-C240-M5
- Server Serial Number: W2P27090F4L

Location: BG-Troisdorf
End user impact: No impact, as this a New ESXi server build
Application Impact: No impact, as this a New ESXi server build
Downtime: No impact, as this a New ESXi server build
Was this performed in DEV/TEST? This is a New ESXi Build Server in Single Environment, hence no Dev & Test is required.
Primary Change Implementer : Srinu Y
Primary Approver: Venugopal Reddy Konga /Santhosh Kumar M
has context menu

- 1st take BOOT Lun from storage team
- Mount the ISO image and start the esxi installation
- Select the mapped LUN to deploy OS
- Post OS deployment boot from the SAN if possible configure the HBA adapter fiber configuration
- channel in bios device settings
- Configure the both apaters collect the zone show output for the server WWPNN
- And Target LUN ID should be 0(default)

```
nc6clst003:> lgroup show
Vserver lgroup Protocol OS Type Initiators
-----
nc6vssan003 C6HADRS003 fcp vmware 21:00:f4:c7:aa:9a:99:90:2e
21:00:f4:c7:aa:99:90:2f
21:00:f4:c7:aa:9a:a4:b2
21:00:f4:c7:aa:9a:a4:b3
21:00:f4:c7:aa:9a:a5:3a
21:00:f4:c7:aa:9a:a5:3b
nc6vssan003 EC6RR7U02_IG fcp vmware 21:00:f4:c7:aa:9a:a4:b2
21:00:f4:c7:aa:9a:a4:b3
nc6vssan003 EC6RR7U04_IG fcp vmware 21:00:f4:c7:aa:9a:a5:3a
21:00:f4:c7:aa:9a:a5:3b
nc6vssan003 EC6RR7U06_IG fcp vmware 21:00:f4:c7:aa:99:90:2e
21:00:f4:c7:aa:99:90:2f
21:00:f4:c7:aa:9a:a5:20
21:00:f4:c7:aa:9a:a5:21
4 entries were displayed.
```

To get IDRAC console through hostname:

<https://www.seel.biz/cannot-access-idrac8-by-fqdn/>

New Esxi Build Checklist:

- >>We have validated the ESXi Networks configures as per standard.
- >>We have validated the ESXi OS NTP servers configured as per standard.
- >>We have validated the scratch partition configured as per standard.
- >>We have validated the warranty details, cabling sheets.
- >>We have validated the ESXi OS version is 8.0U3 as per standard.
- >>We have validated the IDRAC able to access with default password.
- >>We have validated the ESXi OS end DNS configured as per standard.
- >>We have validated the BIOS is installed N-1 version.
- >>We have validated the ESXi Networks configures as per standard.
- >>We have validated the ESXi OS NTP servers configured as per standard.
- >>We have validated the scratch partition configured as per standard.
- >>We have validated the ESXi OS version is 8.0U3 as per standard and assigned license as well.
- >>We have validated the warranty details, cabling sheets.
- >>We have validated the ESXi OS version is 8.0U3 as per standard and assigned license as well.
- >>We have validated the BIOS is installed N-1 version.
- >>We have validated the transition check list updated as per dell servers standard.
- >>We have validated and able to login ESXi host UI with the default password.
- >>We have validated the IDRAC Firmware version installed with N-1 version.
- >>We have validated the IDRAC NTP servers configured as per standard.
- >>We have validated the IDRAC DNS servers Configured as per standard.
- >>We sent to L3 Validation, Hence keeping the request in pending state.
- >>We have validated the ESXi Networks configures as per standard.
- >>We have validated the ESXi OS NTP servers configured as per standard.
- >>We have validated the scratch partition configured as per standard.
- >>We have validated the warranty details, cabling sheets.
- >>We have validated the ESXi OS version is 8.0U3 as per standard and assigned license as well.
- >>We have validated the IDRAC able to access with default password.
- >>We have validated the ESXi OS end DNS configured as per standard.
- >>We have validated the BIOS is installed N-1 version.
- >>We have validated the transition check list updated as per dell servers standard.
- >>We have validated and able to login IDRAC with SADM/ domain accounts as well.
- >>We have validated and able to login ESXi host UI with the default password.
- >>We have validated the IDRAC Firmware version installed with N-1 version.
- >>We have validated the IDRAC NTP servers configured as per standard.
- >>We have validated the IDRAC DNS servers Configured as per standard.
- >>We sent to L3 Validation, Hence keeping the request in pending state.
- >>L3 Validation:
Identified port Channel not configured.: Pending to validate.
Vmotion vlan port group is not created for vmotion : Vmotion is configured in vmk1 due to non available of more uplinks as discussed with build team
Scratch partition not properly configured : Scratch partition configured properly.
SNMP configuration not configured in IDRAC : : SNMP configuration configured properly.
> Observations identified : We are unable to take the imm console with the hostname asked to fix this.