Dracass Owners	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

Request Information				
Requestor	Ma	urice Mendoza		
Implementing Team	Net	twork Operations		
Ticket Number/s	201	1915229		
Change Classification	Х	Major		Minor
After the fact		Yes	Х	No
Emergency		Yes	Х	No
Proposed Change Date	Ma	y 4, 2019		
Proposed Change Start/End Time	4:0	0 PM – 10:00 PM		
Proposed Change Verification Time	9:0	0 PM		

Objective of the change
To have a VPN device in DMZ that will encrypt the Internal Management traffic

Technical/Operational Impact of the change			
Negative:	Beneficial:	Neutral:	
All Switches and Servers with old IP addresses will be inaccessible.	To have another layer of security before accessing any manageable equipment.	Access to Access Switches via Console,	
	To encrypt all traffic of the Management Segment.		

Affected IT Infrastructure components

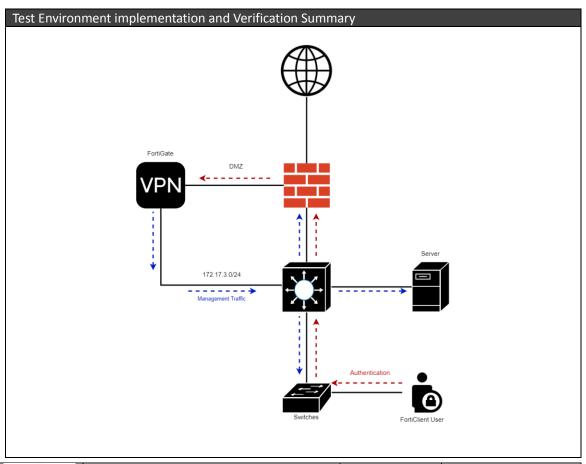
JAKA	Zeus	172.31.1.1	Core Switch
JAKA	Morpheus	172.31.1.17	Access Switch
JAKA	Poseidon	172.31.1.18	Access Switch
JAKA	Erebus	172.31.1.19	Access Switch
JAKA	Janus	172.31.1.24	Access Switch
JAKA	Cyclops	172.31.1.25	Access Switch
JAKA	Medusa	172.31.1.22	Access Switch
JAKA	Nyx	172.31.1.23	Access Switch
JAKA	Hera	172.31.1.21	Access Switch
JAKA	Switch5_1	172.31.1.29	Access Switch
JAKA	Switch5_2	172.31.1.30	Access Switch
JAKA	Switch5_3	172.31.1.31	Access Switch
JAKA	Switch5_4	172.31.1.32	Access Switch
JAKA	Switch5_5	172.31.1.36	Access Switch
JAKA	Switch5_6	172.31.1.37	Access Switch
JAKA	Switch5_7	172.31.1.38	Access Switch
JAKA	Switch3_1	172.31.1.33	Access Switch

	Proprietary and Confidential	Effectivity:	Page 1
OPEN ACCESS WE SPEAK YOUR LANGUAGE	. Top retary and commental	April 1, 2019	Template Version : 02

Draces Owner	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

JAKA	Switch3_2	172.31.1.34	Access Switch
JAKA	Switch3_3	172.31.1.35	Access Switch
G2	MKT-GL2-CSW-1	172.22.2.1	Core Switch
G2	MKT-GL2-SW-A1	172.22.2.11	Access Switch
G2	MKT-GL2-SW-A2	172.22.2.12	Access Switch
G2	MKT-GL2-SW-A3	172.22.2.13	Access Switch
G2	MKT-GL2-SW-A4	172.22.2.14	Access Switch
G2	MKT-GL2-SW-A5	172.22.2.15	Access Switch
G2	MKT-GL2-SW-B1	172.22.2.21	Access Switch
G2	MKT-GL2-SW-B2	172.22.2.22	Access Switch

Affected Departments and corresponding contact persons			
Department	Contact Name	Contact Info	
IT	Rynel Yanes	09178535630	
Network Operations	Maurice Mendoza	09176328103	
Server Operations	Rovie Salvatierra	09176274325	



	Proprietary and Confidential	Effectivity:	Page 2
OPEN ACCESS WE SPEAK YOUR LANDUAGE	Trophetally and commental	April 1, 2019	Template Version : 02

Dracess Ourners	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

Replicated the current network setup along with the actual VPN unit in the Test Environment. See topology above.

Test Environment Results Summary

The VPN was working upon testing using a FortiClient installed in a PC. After logged in, the test Laptop was able to reach the network 172.17.3.0/24 while still connected to the internet. This is due to the enabled split tunneling.



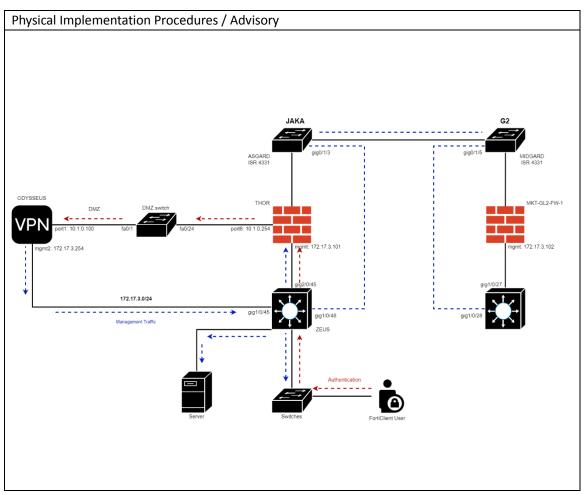
Dracace Owner	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

Configuration Change Template

Baseline File	3.1.402, see link for switches: <u>Switch Baseline</u>
Baseline Version	April 18, 2019

Baseline File Changes:

Existing Configuration	Proposed Change	Impact	Section
VLAN 1 is the existing	To add VLAN 1000 for	IPv4 Policies, VLAN	Switch
Management VLAN	Management Segment	Database, Port	<u>Baseline</u>
		VLAN membership,	
No existing VPN device	To add a VPN device for	Switch interfaces	
for managing internal equipment	management		
	To add IPv4 Policies in Thor for		
	Internal to DMZ and vice versa		



	Proprietary and Confidential	Effectivity:	Page 4
OPEN ACCESS WE MEAN YOUR LANGUAGE	Troprietary and confidential	April 1, 2019	Template Version : 02

Dunana Outra au	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

Send an email to all the Switch and Server Administrators that will be affected after the implementation.

"Team,

Please be advised that we will change the way we access our Equipment. You may need to access the VPN first before accessing the Equipment. We'll provide a KB Article and send you your VPN credentials.

Thank you.

Regards,"

- 1. Connect port1(DMZ) of ODYSSEUS to port gig0/1 of DMZ SWITCH.
- 2. Connect mgmt2(Management) of ODYSSEUS to port gig1/0/45 of ZEUS.
- 3. Connect mgmt of FORTIGATE THOR to port gig2/0/45 of ZEUS.
- 4. Connect mgmt of MKT-GL2-FW-1 to port gig1/0/27 of MKT-GL2-CSW-1.
- 5. Connect port gig1/0/48 of ZEUS to port gig0/1/3 of ASGARD ISR 4331.
- 6. Connect port gig1/0/28 of MKT-GL2-CSW-1 to port gig0/1/5 of MIDGARD ISR 4331.

Backup Procedures

Access FortiGate Jaka and Access Switches.

Backup the configurations files using the naming conventions:

BACKUP_DEVICENAME_DATE.cfg

Example:

Thor	Backup_THOR_542019.cfg
MKT-GL2-FW-1	Backup_MKT-GL2-FW-1_542019.cfg
Zeus	Backup_Zeus_542019.cfg
Morpheus	Backup_Morpheus_542019.cfg
Poseidon	Backup_Poseidon_542019.cfg
Erebus	Backup_Erebus_542019.cfg
Janus	Backup_Janus_542019.cfg
Cyclops	Backup_Cyclops_542019.cfg
Medusa	Backup_Medusa_542019.cfg
Nyx	Backup_Nyx_542019.cfg
Hera	Backup_Hera_542019.cfg
Switch5_1	Backup_Switch5_1_542019.cfg



Danasaa Ouurani	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

Switch5_2	Backup_Switch5_2_542019.cfg
Switch5_3	Backup_Switch5_3_542019.cfg
Switch5_4	Backup_Switch5_4_542019.cfg
Switch5_5	Backup_Switch5_5_542019.cfg
Switch5_6	Backup_Switch5_6_542019.cfg
Switch5_7	Backup_Switch5_7_542019.cfg
Switch3_1	Backup_Switch3_1_542019.cfg
Switch3_2	Backup_Switch3_2_542019.cfg
Switch3_3	Backup_Switch3_3_542019.cfg
MKT-GL2-CSW-1	Backup_MKT-GL2-CSW-1_542019.cfg
MKT-GL2-SW-A1	Backup_MKT-GL2-SW-A1_542019.cfg
MKT-GL2-SW-A2	Backup_MKT-GL2-SW-A2_542019.cfg
MKT-GL2-SW-A3	Backup_MKT-GL2-SW-A3_542019.cfg
MKT-GL2-SW-A4	Backup_MKT-GL2-SW-A4_542019.cfg
MKT-GL2-SW-A5	Backup_MKT-GL2-SW-A5_542019.cfg
MKT-GL2-SW-B1	Backup_MKT-GL2-SW-B1_542019.cfg
MKT-GL2-SW-B2	Backup_MKT-GL2-SW-B2_542019.cfg

Technical Configuration Procedures

Network Configurations:

Odysseus is already configured and ready for deployment.

- 1. Access FORTIGATE THOR via web (https://172.16.1.2:10443).
- 2. Navigate to Network > Interfaces. Change the mgmt port IP address to the following:

IP/Network Mask: 172.17.3.101/255.255.255.0 Administrative Access: HTTPS, PING, FMG-ACCESS, SSH

DHCP Server: disable

3. Navigate to Policy & Objects > Addresses. Create new Address Object and Group with the following details.

Address Object

Name: DMZ_ODYSSEUS(VPN)

Type: IP/Netmask

Subnet/IP Range: 10.1.0.100



Dun anna Outra ant	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

Address Object

Name: INT_PC_RYANES Type: IP/Netmask

Subnet/IP Range: 172.18.4.98

Address Group

Name: DMZ ALLOWED VPN HOSTS

Members: INT_SUB_ITOPS, INT_PC_RYANES, INT_SUB_ITOPS_G2

4. Navigate to Policy & Objects > IPv4 Policy. Create new IPv4 Policy for INTERNAL TO DMZ.

Name: Internal To Odysseus(VPN)
Incoming Interface: Internal(port5)
Outgoing Interface: DMZ Network(port6)
Source: DMZ_ALLOWED_VPN_HOSTS
Destination: DMZ_ODYSSEUS(VPN)

Schedule: Always Service: All Action: Accept NAT: Disabled

Log Allowed Traffic: Enabled - All Sessions

Enable this policy: Enabled

5. Navigate to Policy & Objects > IPv4 Policy. Create new IPv4 Policy for DMZ TO INTERNAL.

Name: Odysseus(VPN) To Internal Incoming Interface: DMZ Network(port6) Outgoing Interface: Internal(port5) Source: DMZ_ODYSSEUS(VPN)

Destination: DMZ_ALLOWED_VPN_HOSTS

Schedule: Always Service: All Action: Accept NAT: Disabled

Log Allowed Traffic: Enabled - All Sessions

Enable this policy: Enabled

6. Access MKT-GL2-FW-1 via web (https://172.22.0.75:10443)

7. Navigate to Network > Interfaces. Change the mgmt port IP address to the following:

IP/Network Mask: 172.17.3.102/255.255.255.0 Administrative Access: HTTPS, PING, FMG-ACCESS, SSH

DHCP Server: disable

8. Access all switches in the table below via console then copy and paste the commands



Danasaa Ouurani	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

per switch.	
Zeus	configure terminal interface vlan 1 no description no ip address vlan 1000 name MANAGEMENT_SEGMENT interface vlan 1000 description MANAGEMENT_SEGMENT ip address 172.17.3.106 255.255.255.0 interface gigabitEthernet 1/0/45 description TO ODYSSEUS(VPN) switchport access vlan 1000 switchport mode access interface gigabitEthernet 1/0/48 description TO ASGARD switchport access vlan 1000 switchport mode access ip default-gateway 172.17.3.254
Morpheus	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.107 255.255.255.0 ip default-gateway 172.17.3.254
Poseidon	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.108 255.255.255.0 ip default-gateway 172.17.3.254
Erebus	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.109 255.255.255.0 ip default-gateway 172.17.3.254
Janus	configure terminal interface vlan 1 no description no ip address interface vlan 1000

	Proprietary and Confidential	Effectivity:	Page 8
OPEN ACCESS WE SPEAK YOUR LANGUAGE	. Tophetally and confidential	April 1, 2019	Template Version : 02

Dun anna Outra ann	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

	ip address 172.17.3.110 255.255.255.0	
	ip default-gateway 172.17.3.254	
	configure terminal	
	interface vlan 1	
	no description	
Cyclops	no ip address	
	interface vlan 1000	
	ip address 172.17.3.111 255.255.255.0	
	ip default-gateway 172.17.3.254	
	configure terminal	
	interface vlan 1	
	no description	
Medusa	no ip address	
	interface vlan 1000	
	ip address 172.17.3.112 255.255.255.0	
	ip default-gateway 172.17.3.254	
	configure terminal	
	interface vlan 1	
	no description	
Nyx	no ip address	
	interface vlan 1000	
	ip address 172.17.3.113 255.255.255.0	
	ip default-gateway 172.17.3.254	
	configure terminal	
	interface vlan 1	
	no description	
	no ip address	
	interface vlan 1000	
	ip address 172.17.3.114 255.255.255.0	
Hera	ip default-gateway 172.17.3.254	
	configure terminal	
	interface vlan 1	
	no description	
Switch5_1	no ip address	
	interface vlan 1000	
	ip address 172.17.3.115 255.255.255.0	
	ip default-gateway 172.17.3.254	
	configure terminal	
	interface vlan 1	
	no description	
Switch5_2	no ip address	
	interface vlan 1000	
	ip address 172.17.3.116 255.255.255.0	
	ip default-gateway 172.17.3.254	

	Proprietary and Confidential	Effectivity:	Page 9
OPEN ACCESS WE SPEAK YOUR LANGUAGE	and commental	April 1, 2019	Template Version : 02

Dracace Ouman	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

Switch5_3	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.117 255.255.255.0 ip default-gateway 172.17.3.254	
Switch5_4	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.118 255.255.255.0 ip default-gateway 172.17.3.254	
Switch5_5	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.119 255.255.255.0 ip default-gateway 172.17.3.254	
Switch5_6	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.120 255.255.255.0 ip default-gateway 172.17.3.254	
Switch5_7	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.121 255.255.255.0 ip default-gateway 172.17.3.254	
Switch3_1	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.122 255.255.255.0 ip default-gateway 172.17.3.254	
Switch3_2	configure terminal interface vlan 1 no description	

	Proprietary and Confidential	Effectivity:	Page 10
OPEN ACCESS WE SHAK YOUR LANDSAGE	y and comidental	April 1, 2019	Template Version : 02

Process Owners	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

	no ip address interface vlan 1000
	ip address 172.17.3.123 255.255.255.0 ip default-gateway 172.17.3.254
Switch3_3	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.124 255.255.255.0 ip default-gateway 172.17.3.254
MKT-GL2-CSW-1	configure terminal interface vlan 1 no description no ip address vlan 1000 name MANAGEMENT_SEGMENT interface vlan 1000 description MANAGEMENT_SEGMENT ip address 172.17.3.125 255.255.255.0 interface gigabitEthernet 1/0/27 description TO ODYSSEUS(VPN) switchport access vlan 1000 switchport mode access interface gigabitEthernet 1/0/28 description TO MIDGARD switchport access vlan 1000 switchport mode access ip default-gateway 172.17.3.254
MKT-GL2-SW-A1	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.126 255.255.255.0 ip default-gateway 172.17.3.254
MKT-GL2-SW-A2	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.127 255.255.255.0 ip default-gateway 172.17.3.254
MKT-GL2-SW-A3	configure terminal interface vlan 1 no description

Г				Page 11	
	OPEN ACCESS WE SHEAK YOU'R LANDUAGE	Proprietary and Confidential	Effectivity: April 1, 2019	Template Version : 02	

Process Owners	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

	no ip address interface vlan 1000 ip address 172.17.3.128 255.255.255.0 ip default-gateway 172.17.3.254	
MKT-GL2-SW-A4	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.129 255.255.255.0 ip default-gateway 172.17.3.254	
MKT-GL2-SW-A5	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.130 255.255.255.0 ip default-gateway 172.17.3.254	
MKT-GL2-SW-B1	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.131 255.255.255.0 ip default-gateway 172.17.3.254	
MKT-GL2-SW-B2	configure terminal interface vlan 1 no description no ip address interface vlan 1000 ip address 172.17.3.132 255.255.255.0 ip default-gateway 172.17.3.254	
ASGARD ISR 4331 JAKA	configure terminal vlan 1000 name MANAGEMENT_SEGMENT int gig0/1/3 description TO ZEUS switchport access vlan 1000 switchport mode access	
MIDGARD ISR 4331 G2	configure terminal vlan 1000 name MANAGEMENT_SEGMENT int gig0/1/5 description TO MKT-GL2-CSW-1 switchport access vlan 1000	

	Proprietary and Confidential	Effectivity:	Page 12
OPEN ACCESS WE SPEAK YOUR LANDUAGE	and commental	April 1, 2019	Template Version : 02

Dracace Owner	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

switchport mode access

Server Configurations:

- 1. Log on to ESXi using the root account.
- 2. From the main page of the ESXi management console, click on **Networking**.
- 3. Select VM Network from the list and Edit Settings.

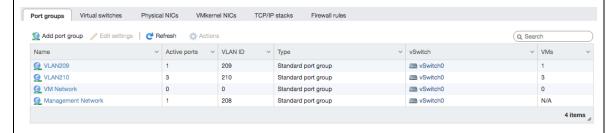


Figure 1: The VM Network port group is currently available and no IP is assigned yet.

- 4. Enter the VLANID. Save.
- 5. Next, Add virtual NIC to each virtual machine. From the Management console, go to the **Virtual Machine** section.
- 6. Right click on the virtual machine > Edit Settings.
- 7. Click on Add network adapter > scroll down to edit the New Network Adapter > assign the new VLAN ID.
- 8. Repeat steps 6-7 for each virtual machine.
- 9. Log on to each virtual machine and set the second virtual adapter to a static IP address from the range 172.17.3.1-172.17.3.100.

Verification Procedures

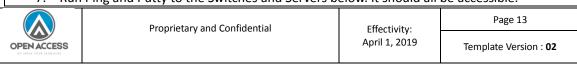
- 1. Install FortiClient in PC.
- 2. In the FortiClient, select Remote Access then click the gear button to add new connection. Use the following details below:

VPN: SSL-VPN

Connection Name: OAMPI VPN Remote Gateway: 10.1.0.100

Then Save.

- 3. Login to FortiClient (10.1.0.100) using the given credentials.
- 4. After logged in, you should be given an IP address from the range 172.17.3.240-172.17.3.250.
- 5. Due to split tunneling, only connections that matches the Management Segment 172.17.3.0/24 will pass thru the VPN while other destination will pass thru directly to one of our ISPs. To verify ran traceroute towards any website then check the 1st hop. It should be passing thru the default gateway 172.18.133.254 instead of 10.1.0.254.
- 6. Try to access the any website from the internet, it should be accessible.
- 7. Run Ping and Putty to the Switches and Servers below. It should all be accessible.



Dracace Owner	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

Thor	172.17.3.101
MKT-GL2-FW-1	172.17.3.102
Zeus	172.17.3.106
Morpheus	172.17.3.107
Poseidon	172.17.3.108
Erebus	172.17.3.109
Janus	172.17.3.110
Cyclops	172.17.3.111
Medusa	172.17.3.112
Nyx	172.17.3.113
Hera	172.17.3.114
Switch5_1	172.17.3.115
Switch5_2	172.17.3.116
Switch5_3	172.17.3.117
Switch5_4	172.17.3.118
Switch5_5	172.17.3.119
Switch5_6	172.17.3.120
Switch5_7	172.17.3.121
Switch3_1	172.17.3.122
Switch3_2	172.17.3.123
Switch3_3	172.17.3.124
MKT-GL2-CSW-1	172.17.3.125
MKT-GL2-SW-A1	172.17.3.126
MKT-GL2-SW-A2	172.17.3.127
MKT-GL2-SW-A3	172.17.3.128
MKT-GL2-SW-A4	172.17.3.129
MKT-GL2-SW-A5	172.17.3.130
MKT-GL2-SW-B1	172.17.3.131
MKT-GL2-SW-B2	172.17.3.132

Back-out Procedures



Dracace Owner	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

- 1. Disconnect port1(DMZ) of ODYSSEUS to port gig0/1 of DMZ SWITCH.
- 2. Disconnect mgmt2(Management) of ODYSSEUS to port gig1/0/45 of ZEUS.
- 3. Disconnect mgmt of FORTIGATE THOR to port gig2/0/45 of ZEUS.
- 4. Disconnect mgmt of MKT-GL2-FW-1 to port gig1/0/27 of MKT-GL2-CSW-1.
- 5. Disconnect port gig1/0/48 of ZEUS to port gig0/1/3 of ASGARD ISR 4331.
- 6. Disconnect port gig1/0/28 of MKT-GL2-CSW-1 to port gig0/1/5 of MIDGARD ISR 4331.
- 7. Access FortiGate THOR then navigate to Policy & Objects and disable the IPv4 Policies:

Internal To Odysseus(VPN) Odysseus(VPN) To Internal

8. Access all switches in the table below via console then copy and paste the commands per switch.

configure terminal interface vlan 1 no description ip address 172.31.1.1 no vlan 1000 no interface vlan 1 no description TO ODYSSEUS(VPN) no description TO ODYSSEUS(VPN) no switchport access vlan 1000 no switchport access vlan 1000 no switchport mode access interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport access vlan 1000 no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.1 configure terminal interface vlan 1 no description ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000 ip default-gateway 172.31.1.1		
no description ip address 172.31.1.1 no vlan 1000 no interface vlan 1000 interface gigabitEthernet 1/0/45 no description TO ODYSSEUS(VPN) no switchport access vlan 1000 no switchport mode access interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport access vlan 1000 no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 Configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 Configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 Configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		configure terminal
ip address 172.31.1.1 no vlan 1000 no interface vlan 1000 interface vlan 1000 interface gigabitEthernet 1/0/45 no description TO ODYSSEUS(VPN) no switchport access vlan 1000 no switchport mode access interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport access vlan 1000 no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 Configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 Erebus Erebus Frebus Terebus Erebus Terebus		
no vlan 1000 no interface vlan 1000 interface vlan 1000 interface gigabitEthernet 1/0/45 no description TO ODYSSEUS(VPN) no switchport access vlan 1000 no switchport mode access interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport access vlan 1000 no switchport mode access interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 Poseidon Poseidon Poseidon Poseidon Erebus Frebus Freb		· · · · · · · · · · · · · · · · · · ·
Teus no interface vlan 1000 interface gigabitEthernet 1/0/45 no description TO ODYSSEUS(VPN) no switchport access vlan 1000 no switchport mode access interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport access vlan 1000 no switchport access vlan 1000 no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.11 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		ip address 172.31.1.1
interface gigabitEthernet 1/0/45 no description TO ODYSSEUS(VPN) no switchport access vlan 1000 no switchport mode access interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport access vlan 1000 no switchport access vlan 1000 no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 Configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.11 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		no vlan 1000
no description TO ODYSSEUS(VPN) no switchport access vlan 1000 no switchport mode access interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 Poseidon Pos		no interface vlan 1000
no description TO ODYSSEUS(VPN) no switchport access vlan 1000 no switchport mode access interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 Configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.11 configure terminal interface vlan 1 no description ip address 172.31.1.18 configure terminal interface vlan 1 no description ip default-gateway 172.31.1.11 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000	Zous	interface gigabitEthernet 1/0/45
no switchport mode access interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000	Zeus	no description TO ODYSSEUS(VPN)
interface gigabitEthernet 1/0/48 no description TO ASGARD no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.11 configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.11 configure terminal interface vlan 1 no description ip address 172.31.1.12 configure terminal interface vlan 1 no description ip default-gateway 172.31.1.11 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		no switchport access vlan 1000
no description TO ASGARD no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 Erebus Erebus no description ip address 172.31.1.1 configure terminal interface vlan 1 no description ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		no switchport mode access
no switchport access vlan 1000 no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 Erebus Erebus no switchport access vlan 1000 ip address 172.31.1.17 no description ip address 172.31.1.19 no description ip address 172.31.1.19 no interface vlan 1000		interface gigabitEthernet 1/0/48
no switchport mode access configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 Poseidon Poseidon Poseidon Poseidon Poseidon Poseidon Frebus Poseidon Pos		no description TO ASGARD
Configure terminal interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.1 no description ip address 172.31.1.19 no interface vlan 1000		no switchport access vlan 1000
interface vlan 1 no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 Configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 Erebus Erebus interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		no switchport mode access
Morpheus no description ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1000 ip default-gateway 172.31.1.1 ronfigure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		configure terminal
ip address 172.31.1.17 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		interface vlan 1
Poseidon Poseid	NA sumb sum	no description
ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000	Morpheus	ip address 172.31.1.17
configure terminal interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		no interface vlan 1000
interface vlan 1 no description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		ip default-gateway 172.31.1.1
Poseidon in o description ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		configure terminal
ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		interface vlan 1
ip address 172.31.1.18 no interface vlan 1000 ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000	Dossidan	no description
ip default-gateway 172.31.1.1 configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000	Poseidon	ip address 172.31.1.18
configure terminal interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		no interface vlan 1000
interface vlan 1 no description ip address 172.31.1.19 no interface vlan 1000		ip default-gateway 172.31.1.1
no description ip address 172.31.1.19 no interface vlan 1000		configure terminal
ip address 172.31.1.19 no interface vlan 1000	Erebus	interface vlan 1
ip address 172.31.1.19 no interface vlan 1000		no description
		ip address 172.31.1.19
ip default-gateway 172.31.1.1		no interface vlan 1000
		ip default-gateway 172.31.1.1

	Proprietary and Confidential	Effectivity:	Page 15
OPEN ACCESS WE SPEAK YOUR LANGUAGE	Troprietary and confidential	April 1, 2019	Template Version : 02

Process Owners	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

Janus	configure terminal interface vlan 1 no description ip address 172.31.1.24 no interface vlan 1000 ip default-gateway 172.31.1.1
Cyclops	configure terminal interface vlan 1 no description ip address 172.31.1.25 no interface vlan 1000 ip default-gateway 172.31.1.1
Medusa	configure terminal interface vlan 1 no description ip address 172.31.1.22 no interface vlan 1000 ip default-gateway 172.31.1.1
Nyx	configure terminal interface vlan 1 no description ip address 172.31.1.23 no interface vlan 1000 ip default-gateway 172.31.1.1
Hera	configure terminal interface vlan 1 no description ip address 172.31.1.21 no interface vlan 1000 ip default-gateway 172.31.1.1
Switch5_1	configure terminal interface vlan 1 no description ip address 172.31.1.29 no interface vlan 1000 ip default-gateway 172.31.1.1
Switch5_2	configure terminal interface vlan 1 no description ip address 172.31.1.30 no interface vlan 1000 ip default-gateway 172.31.1.1
Switch5_3	configure terminal interface vlan 1 no description

	Proprietary and Confidential	Effectivity:	Page 16
OPEN ACCESS WE SPEAK YOU'R LANGUAGE	. Toprictary and confidential	April 1, 2019	Template Version : 02

Draces Ouman	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

	ip address 172.31.1.31	
	no interface vlan 1000	
	ip default-gateway 172.31.1.1	
	configure terminal	
	interface vlan 1	
Switch5_4	no description	
JWITCHS_4	ip address 172.31.1.32	
	no interface vlan 1000	
	ip default-gateway 172.31.1.1	
	configure terminal	
	interface vlan 1	
Switch5_5	no description	
Switch5_5	ip address 172.31.1.36	
	no interface vlan 1000	
	ip default-gateway 172.31.1.1	
	configure terminal	
	interface vlan 1	
Switch5_6	no description	
Switch5_0	ip address 172.31.1.37	
	no interface vlan 1000	
	ip default-gateway 172.31.1.1	
	configure terminal	
	interface vlan 1	
Switch5_7	no description	
J Switchis_/	ip address 172.31.1.38	
	no interface vlan 1000	
	ip default-gateway 172.31.1.1	
	configure terminal	
	interface vlan 1	
Switch3_1	no description	
	ip address 172.31.1.33	
	no interface vlan 1000	
	ip default-gateway 172.31.1.1	
	configure terminal	
	interface vlan 1	
Switch3_2	no description	
	ip address 172.31.1.34	
	no interface vlan 1000	
	ip default-gateway 172.31.1.1	
	configure terminal	
	interface vlan 1	
Switch3 3	no description	
	ip address 172.31.1.35	
	no interface vlan 1000	
	ip default-gateway 172.31.1.1	

	Proprietary and Confidential	Effectivity:	Page 17
OPEN ACCESS WE SHAK YOUR LANDSAGE	y and comidental	April 1, 2019	Template Version : 02

FORM	
Configuration Change Request	F-CMG-3.1
	FORM Configuration Change Request

MKT-GL2-CSW-1	configure terminal interface vlan 1 no description ip address 172.22.2.1 no vlan 1000 no interface vlan 1000 interface gigabitEthernet 1/0/27 no description TO ODYSSEUS(VPN) no switchport access vlan 1000 no switchport mode access interface gigabitEthernet 1/0/28 no description TO MIDGARD no switchport access vlan 1000 no switchport mode access	
MKT-GL2-SW-A1	configure terminal interface vlan 1 no description ip address 172.22.2.11 no interface vlan 1000 ip default-gateway 172.22.2.1	
MKT-GL2-SW-A2	configure terminal interface vlan 1 no description ip address 172.22.2.12 no interface vlan 1000 ip default-gateway 172.22.2.1	
MKT-GL2-SW-A3	configure terminal interface vlan 1 no description ip address 172.22.2.13 no interface vlan 1000 ip default-gateway 172.22.2.1	
MKT-GL2-SW-A4	configure terminal interface vlan 1 no description ip address 172.22.2.14 no interface vlan 1000 ip default-gateway 172.22.2.1	
MKT-GL2-SW-A5	configure terminal interface vlan 1 no description ip address 172.22.2.15 no interface vlan 1000 ip default-gateway 172.22.2.1	

OPENACCESS WE STEAT YOUR LANGUAGE	Proprietary and Confidential	Effectivity: April 1, 2019	Page 18
			Template Version : 02

Draces Owner	FORM		
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1	

MKT-GL2-SW-B1	configure terminal interface vlan 1 no description ip address 172.22.2.21 no interface vlan 1000 ip default-gateway 172.22.2.1
MKT-GL2-SW-B2	configure terminal interface vlan 1 no description ip address 172.22.2.22 no interface vlan 1000 ip default-gateway 172.22.2.1
ASGARD ISR 4331 JAKA	configure terminal interface vlan 1 no description no interface vlan 1000
MIDGARD ISR 4331 G2	configure terminal interface vlan 1 no description no interface vlan 1000

9. After backout, run ping and SSH to the old Management IP address. It should be accessible.