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

Request Information				
Requestor	Net	Network Operations		
Implementing Team	Network Operations			
Ticket Number/s	201	20191577		
Change Classification	Χ	X Major Minor		
After the fact	Х	Yes	No	
Emergency	Χ	Yes	No	
Proposed Change Date	This config request was already implemented.			
Proposed Change Start/End Time	This config request was already implemented.			
Proposed Change Verification Time	Thi	This config request was already implemented.		

Objective of the change

To restrict the specific network which can access the core, access switch. Hardening of access of Network Firewalls.

Technical/Operational Impact of the change			
Negative: Possible switch lockout due to misconfiguration.	Beneficial: Core, Access Switch, Firewall Hardening,	Neutral: Workstations, User Accounts	
Possible firewall lockout due to misconfiguration			

Affected	Affected IT Infrastructure components				
Site	Hostname	IP Address	Function		
JAKA	THOR	172.16.1.2	Network Firewall		
G2	MKT-GL2-FW1	172.22.0.75	Network Firewall		
JAKA	ODYSSEUS	10.1.0.254	Network Firewall		
JAKA	ZEUS	172.31.1.1	Network Core Switch		
G2	MKT-GL2-CSW1	172.22.2.1	Network Core Switch		
JAKA	Morpheus	172.17.3.107	Network Access Switch		
JAKA	Poseidon	172.17.3.108	Network Access Switch		
JAKA	Erebus	172.17.3.109	Network Access Switch		
JAKA	Janus	172.17.3.110	Network Access Switch		
JAKA	Cyclops	172.17.3.111	Network Access Switch		
JAKA	Medusa	172.17.3.112	Network Access Switch		
JAKA	Nyx	172.17.3.113	Network Access Switch		
JAKA	Hera	172.17.3.114	Network Access Switch		
JAKA	Switch5_1	172.17.3.115	Network Access Switch		
JAKA	Switch5_2	172.17.3.116	Network Access Switch		
JAKA	Switch5_3	172.17.3.117	Network Access Switch		
JAKA	Switch5_4	172.17.3.118	Network Access Switch		
JAKA	Switch5_5	172.17.3.119	Network Access Switch		
JAKA	Switch5_6	172.17.3.120	Network Access Switch		
JAKA	Switch5_7	172.17.3.121	Network Access Switch		
JAKA	Switch3_1	172.17.3.122	Network Access Switch		

	Proprietary and Confidential	Effectivity:	Page 1
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Dunana Outra	FORM	
Process Owner: IT Operations	Configuration Change Request	F-CMG-3.1

JAKA	Switch3_2	172.17.3.123	Network Access Switch
JAKA	Switch3_3	172.17.3.124	Network Access Switch
G2	MKT-GL2-CSW-1	172.17.3.125	Network Access Switch
G2	MKT-GL2-SW-A1 -	172.17.3.126	Network Access Switch
G2	MKT-GL2-SW-A2 -	172.17.3.127	Network Access Switch
G2	*MKT-GL2-SW-A3	172.17.3.128	Network Access Switch
G2	*MKT-GL2-SW-A4	172.17.3.129	Network Access Switch
G2	*MKT-GL2-SW-A5	172.17.3.130	Network Access Switch
G2	*MKT-GL2-SW-B2	172.17.3.132	Network Access Switch
G2	MKT-GL2-SW-B3 -	172.17.3.133	Network Access Switch

Affected Departments and corresponding contact persons				
Department Contact Name Contact Info				
All	Rynel Ryson Yanes	09178535630		
Network Operations	Mau Mendoza	09176328103		

Test Environment implementation and Verification Summary

No test environment was implemented since this is emergency ATF change.

Test Environment Results Summary

Expected results is network restriction of access via SSH.

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

Configuration Change Template

Baseline File	3.1.401, 3.1.10.1
Baseline Version	April 30,2019, Nov 15 2018

Baseline File Changes:

Existing Configuration	Proposed Change	Impact	Section
Firewall Config:	Firewall Config:	Firewall password	3.1.401,
Password Policy	Password Policy	security	3.1.10.1,
Special Char: 0	Special Char: 1	improvement.	3.1.101,
Password expiration: 60	Password expiration: 60		3.1.11.3
		Switches:	
No existing config on	Core / Access SW Config:	SSH can only be	
Core/Access Switches		access from	
for SSH ACL.	Access-list extended SSH_IN	172.17.3.0/24	
		network.	

Physical Imple	ementation	Procedures /	[/] Advisory
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No physical implementation and advisory were needed for this change.

Backup Procedures

- I. Firewall Backup
 - 1. Access THOR, MKT-GL2-FW1, ODYSSEUS

Save the backup config to:

\\172.17.0.124\it\Backup\Network Backup Logs

With the following naming convention: BACKUP_HOSTNAME_201905XX

- II. Switches Backup
 - 1. Access ZEUS, MKT-GL2-CSW1, JAKA, G2 switches.

Save the backup config to:

\\172.17.0.124\it\Backup\Network Backup Logs

With the following naming convention:

BACKUP_HOSTNAME_201905XX



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

Technical Configuration Procedures

I. Firewall Configuration

- 1. Connect to Fortigate SSL VPN using the dedicated user account.
- 2. Access THOR, MKT-GL2-FW1, ODYSSEUS.
- 3. Navigate to System > Settings > System Settings, configure the Administration Settings and Password Policy.

Administration Settings:

HTTP port: 8080

Redirect to HTTPS: Enabled

HTTPS port: 10443

HTTPS server certificate: thor.openaccess.bpo/MKT-GL2-FW-

1.openaccess.bpo/Odysseus

SSH Port: 4422 Telnet port: 4423

Idle timeout: 5 (Minutes)

Password Policy:

Password scope: Admin Minimum length: 8

Character requirements: Enabled

Upper Case: 1 Lower Case: 1 Numbers: 1 Special: 1

Allow password reuse: Disabled

Password expiration: Enabled - 90 Days

- II. Core Switch Configuration
 - 1. Connect to FortiGate SSL VPN using the dedicated user account.
 - 2. Access **ZEUS 172.17.3.106**, **MKT-GL2-CSW1 172.22.2.1**, **Jupiter 172.31.1.252** and the following Access switches:

Poseidon	172.17.3.108
Morpheus	172.17.3.107
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



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

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

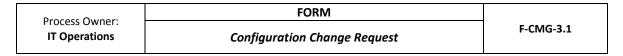
MKT-GL2-SW-A1	172.17.3.126
MKT-GL2-SW-A2	172.17.3.127
MKT-GL2-SW-A3	172.17.3.128
MKT-GL2-SW-A4	172.17.3.129
MKT-GL2-SW-A5	172.17.3.130
MKT-GL2-SW-B2	172.17.3.132
MKT-GL2-SW-B3	172.17.3.133

3. Type the following commands to apply the ACL on SSH:

Access-list extended SSH_IN
10 permit udp 172.17.3.0 0.0.0.255 any eq 22
20 permit tcp 172.17.3.0 0.0.0.255 any eq 22
90 deny tcp any any
91 deny udp any any
Exit

Line vty 0 3
Access-class SSH_IN in
Logging synchronous
Login local
Transport input SSH
Line vty 0 4
Access-class SSH_IN in
Logging synchronous



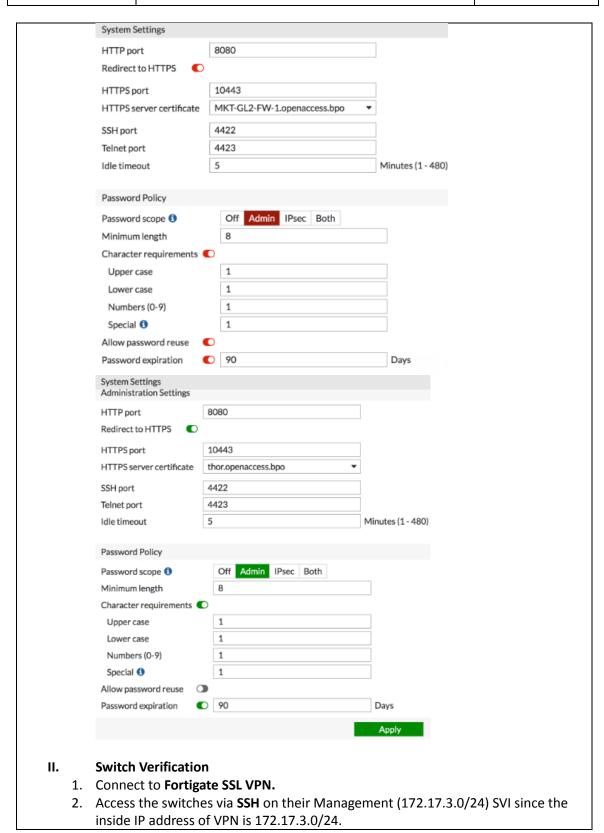


Login local Transport input none Line vty 5 15 Access-class SSH_IN in Login Transport input none

Verification Procedures Firewall Verification: Access THOR, MKT-GL2-FW1, ODYSSEUS. 1. 2. Navigate to **System Settings**, the config should be: Administrators Settings Administration Settings HTTP port 8080 0 Redirect to HTTPS HTTPS port 10443 HTTPS server certificate Odysseus • SSH port 4422 4423 Telnet port Idle timeout 5 Minutes (1 - 480) Password Policy Off Admin IPsec Both Password scope (1) 0 Minimum length Character requirements Upper case 1 Lower case 1 1 Numbers (0-9) Special (1) 1 Allow password reuse □ Days □ Password expiration



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



	Proprietary and Confidential	Effectivity:	Page 7
OPEN ACCESS WE SPEAK YOU'S LANGUAGE	Troprietary and confidential	April 1, 2019	Template Version : 02

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

Back-out Procedures
No back-out procedure was done on this config since this is an ATF.