# **Migrate EIGRP Configuration from Flexconfig to MC UI**

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### Introduction

This document describes what the behavior is after the upgrade to version 7.2, when EIGRP configuration is used in the MC/TD devices.

## Prerequisites

#### Requirements

Cisco recommends that you have basic knowledge of these topics:

- EIGRP Protocol
- FlexConfig feature
- Upgrade process

#### **Components Used**

This feature was introduced in version 7.1 per the release note of that version. This document uses these software and hardware versions:

- SecureFirewall Management Center (MC) version 7.1.0 and 7.2.0
- SecureFirewall Threat Defense (TD) version 7.1.0 and 7.2.0

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

### **Background Information**

Prior to version 7.2, EIGRP configuration was supported in Secure Firewall Threat Defense devices via Flexconfig. In version 7.2, you can now use the management center web interface to configure EIGRP.

#### Notice for 7.3+:

After version 7.3, this migration script is deprecated. Refer to this guide on how to use FlexConfig Migration to configure EIGRP:

https://www.cisco.com/c/en/us/td/docs/security/secure-firewall/management-center/deviceconfig/730/management-center-device-config-73/flex-config.html#Cisco\_Task.dita\_380221ea-8356-4343b852-609e61a69193

#### Configurations

Prior to version 7.2, the EIGRP configuration is done as follows:

1. Create FlexConfig objects for EIGRP.

Firepower Mana Objects / Object Manag	gement Center Overview Analysis Policies Devices Objects AMP Intelligence	
AAA Server     Access List     Address Pools     Application Filters     AS Death	FlexConfig Object     FlexConfig Object include device configuration commands, variables, and scripting language instructions. It is used in FlexConfig polices.	
AS Path Cipher Suite List	Name	Descr
> Community List	DNS_Configure	Configu
> Distinguished Name DNS Server Group	DNS_UnConfigure	Remove
> External Attributes	Eigrp_Config	Configu
File List	Eigrp_Configure 4	Configu
FlexConfig =	Earn Interface Contra	Contra
FlexConfig Object	Egrp_interace_Comp	Conngo
Text Object	Eigrp_interface_Configure	Configu

2. Assign the FlexConfig objects to the FlexConfig Policy.

Hindu Firepower Management Center Devices / Flexconfig Policy Editor	Overview Analysis Policies	Devices Objects AMP Intelligence
FLXCONFIG_RM	- 1	
Enter Description		
	Selected Prepend FlexConfigs	
Available FlexConfig C FlexConfig Object	# Name	Description
Bigrp_Config 2 a		
*å Borp_Interface_Config ✓ System Defined		
*a Default_DNS_Configure		
.9 Default_Inspection_Protocol_Disable		
*a Default_Inspection_Protocol_Enable		
- PDHCPv6_Prefix_Delegation_Configure	B Coloriad Annend FlauConfine	
*a DNS_Configure	3 Selected Append FlexConligs	
_9 DNS_UnConfigure	II Name	Description
*3 Eigrp_Configure	1 Eigrp_Config	Configures eigrp. 1. Configures next hop. 2. configures auto-summary: 3. Configures router id. 4. Configures eigrp
*a Eigrp_Interface_Configure	2 Eigrp_Interface_Config	Configures interface parameters for eigrp. 1. Configures authentication mode. 2. Configures Authentication key. 3.
"9 Eigrp_UnConfigure		
# Fiorn Unconfoure All		

3. Finally, deploy this configuration to managed devices.

The EIGRP configuration via TD CLI is visualized with show commands:

firepower# show run router router eigrp 3 neighbor 10.40.2.2 interface OUTSIDE network 10.40.2.0 255.255.255.0

firepower# show run | inc eigrp authentication key eigrp 3 \*\*\*\*\* key-id 120 authentication mode eigrp 3 md5 hello-interval eigrp 3 60 hold-time eigrp 3 60

For this demonstration: Prior to the upgrade of the MC to version 7.2, the TD device has the previously shown EIGRP configuration. It was configured via FlexConfig.

Once the MC is upgraded to version 7.2, an automatic deployment gets available post-upgrade process. (This is normal behavior.)

After the deployment of this pending deployment post-upgrade, this warning appears:



**Warning**: FlexConfig Object includes commands for EIGRP that you can now configure and use the Threat Defense Routing policy. You must remove the objects and redo the configuration in the Threat Defense Routing policy (under Device Listing > Routing EIGRP).

This first deployment post-upgrade of the MC to version 7.2 is successful and does not remove the EIGRP configuration from TD.

#### Troubleshoot

Navigate to **System > Monitoring > Audit**. An audit log was created for the migration of the EIGRP Flexconfig configuration.

C	Firewall Management Center System / Monitoring / Audit		Overview	Analysis	Policies	Devices	Objects	Integration	Deplo	
										Bookm
No	Sea	rch Constraints <mark>(Edit Sea</mark> r	ch)							
Та	able	View of the Audit Log								
	C	] ↓ Time ×	User ×	Subsystem ×				Message ×		
٠	C	2022-09-13 19:45:45	admin	Audit Log Events				Delete		
*	C	2022-09-13 19:45:16	admin	System > Monitoring > Audit			Page View			
π	C	2022-09-13 18:50:13	admin	Objects > Object Management > >NetworkObject			Page View			
*	C	2022-09-13 18:50:06	admin	/ui/ddd/				Page View		
*	C	2022-09-13 18:40:55	admin	Devices > Device	Management >	Secure Firewall	Interfaces	Page View		
	E	2022-09-13 18:40:51	admin	Devices > Device	Management			Page View		
*	C	2022-09-13 18:39:54	csm_processes	Devices > Device	Management >	Secure Firewall	Routing	Flex Config	Migration FTD-Gabo:27	3
*		2022-09-13 18:33:46	admin	Devices > Troubleshoot > Threat Defense CLI				Page View		
٠	C	2022-09-13 18:31:39	admin	Devices > FlexConfig				Page View		

Open the report to confirm which EIGRP configuration was migrated to the MC UI.

in the second second		
Changed Policies	Previous Version	Latest Version
<ul> <li>Routing</li> </ul>	EIGRP:	
Virtual Router (Global)	Modified: 2022-09-13 20:40:20	2022-09-13 22:39:53
EIGRP	Name: .PG.PLATFORM.PixAsaElgrpPage=1663101620000	.2b8412b0-338e-11ed-9779-c560fac63
	Description: Device ID: 4294967406	
	ModifiedBy: admin	csm_processes
	Neighbors:	
	Interface:	
		OUTSIDE
	Address:	
		gw_10.40.2.2
	Setup:	
	Enable EIGRP:	true
	AS Number:	3
	Selected Networks/Hosts:	bb_1663108778125_0
	Passive Interface:	None
	Log Neighbor Changes:	true
	Log Neighbor Warnings:	true
	Interfaces:	
	Eigrp Hello Interval:	60
	Eigrp Hold Time:	60
	Eigrp Split Horizon:	true
	Eigrp MD5Auth:	true
	Eigrp MD5 Auth Key Format:	None
	Eigrp MD5 Auth Key:	0HA8bt80Fuek/TFwyvYzcQ==
	Eigrp MD5 Auth Id:	120
	Eigrp Interface:	
		OUTSIDE

### **Related Information**

Secure Firewall Management Center Device Configuration Guide, 7.2 | Migrating FlexConfig Policies