Troubleshoot Firepower Threat Defense Policy Deployments

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Introduction

This document describes a high-level overview of the Policy Deployment process on FTD and as well as basic troubleshooting techniques.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Firewall Management Center (FMC)
- Firepower Threat Defense (FTD)

Components Used

This document is not restricted to specific software and hardware versions.

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

With Cisco Firepower Threat Defense (FTD), traditional stateful firewall features offered by Adaptive Security

Appliances (ASA) and Next-Gen firewall features (powered by Snort) are now combined into one product.

Due to this change, Policy Deployment Infrastructure on FTD now handles configuration changes for both ASA code (also referred to as LINA), and Snort in one bundle.

Policy Deployment Overview

Cisco FTD utilizes **Policy Deployments** to manage and push out configurations for devices that are registered to the **Firewall Management Center** (FMC) itself.

Inside the deployment, there are a series of steps that are broken into "Phases".

The FMC phases can be summarized in this list.

Phase 0	Deployment Initialization
Phase 1	Database Object Collection
Phase 2	Policy and Object Collection
Phase 3	NGFW Command Line Configuration Generation
Phase 4	Device Deployment Package Generation
Phase 5	Send and Receive the Deployment Package
Phase 6	Pending Deployment, Deployment Actions, and Deployment Success Messages
	Deproyment Success Messages

Knowledge of the phases and of the location of failures in the process can help troubleshoot the failures that a **Firepower** system faces.

In some situations, it be a conflict due to previous configurations or caused by an Advanced Flex Configuration which lacks a keyword which can cause failures that the device report does not address.

Example Overview

Step 1. Click Deployment, which specifies the device to be selected.

Step 2. When the deployment for a device is committed, the FMC begins to collect all the configurations relevant to the device.

Step 3. When the configurations are collected, the FMC creates the package and sends it to the sensor over its communication mechanism called **SFTunnel**.

Step 4. The FMC notifies the sensor to start the deployment process with the provided policy while it listens for the individual responses.

Step 5. The managed device unpacks the archive and starts to apply the individual configurations and packages.

A. The first half of the deployment is the **Snort** configuration where the **Snort** configuration is tested locally to ensure its validity.

When proved to be valid, the new configuration is moved to the production directory for **Snort**. If validation fails, the policy deployment fails at this step.

B. The second half of the deployment package load is for the LINA configuration where it is applied directly to the LINA process by the **ngfwManager** process.

If a failure occurs, the changes are rolled back and a policy deployment failure occurs.

Step 6. If both **Snort** and LINA packages are successful, the managed device signals **Snort** to restart or reload in order to load the new configuration and save all current configurations.

Step 7. If all messages are successful, the sensor sends a success message and waits for it to be acknowledged by the Management Center.

Step 8. Once received, the FMC marks the task as a success and allows the policy bundle to finish.

Troubleshooting

Problems encountered during Policy Deployment can be due to, but are not limited to:

- 1. Misconfiguration
- 2. Communication between FMC and FTD
- 3. Database and System health
- 4. Software defects and Caveats
- 5. Other Unique situations

Some of these issues can be easily fixed, while others can require assistance from the Cisco Technical Assistance Center (TAC).

The goal of this section is to provide techniques to isolate the issue or determine the root cause.

FMC Graphical User Interface (GUI)

Cisco recommends each troubleshooting session for deployment failures to start on the FMC appliance.

On the failure notification window, on all versions beyond 6.2.3, there are additional tools that can assist with other possible failures.

Utilize the Deployment Transcripts

Step 1. Pull up the Deployments list on the FMC Web UI.

Step 2. While the Deployments tab is selected, click Show History.

Firewall Management Center Overview / Dashboards / Dashboard	Overview	Analysis	Policies	Devices	Objects	Integration	Deploy Q 🧿 🌣 🕲 admin 🔻 🖏 SECURE
							Deployments Upgrades Health Tasks C Show Notifications
Summary Dashboard (switch dashboard)							1 total 0 running 1 success 0 warnings 0 failures Q, Filter
Provides a summary of activity on the appliance							ftd Deployment to device successful. 1m 18s
Network × Threats Intrusion Events	Status (Seolocation	OoS	+			

Step 3. Inside the **Deployment History** box, you can see all previous deployments from your FMC. Select the deployment in which you would like to see more data.

Step 4. Once a deployment element is selected, the **Deployment Details** selection displays a list of all devices inside the **Transaction**. These entries are broken down into these columns: **Device Number**, **Device Name**, **Status**, and **Transcript**.

Deploy / Deployment Hist	ory Control C	Verview	Analysis	Policies	Devices	Objects	Integration		Deploy	Q 📀	₽	🙆 admin 🕶	cisco SECURE
													Rollback
Q Search using job nam	e, device name, user name	ne, status, d	leployment no	otes or 'Bookm	arked' keyword	ł							
Job Name		Dep	ployed by	Start T	îme		End Time	Status	Deployment Notes				
Deploy_Job_4		adr	min	May 7	2024 10:00 PM	и	May 7, 2024 10:02 PM	Completed				:	
Device	Transcri	ipt Preview	v Status										
ftd	ß	₿.	Complet	ted									
Deploy_Job_3		adr	min	May 7	2024 9:57 PM		May 7, 2024 9:59 PM	Completed				:	
Deploy_Job_2		adr	min	May 6	2024 11:04 AM	N	May 6, 2024 11:05 AM	Completed				:	
Deploy_Job_1		Sys	stem	May 6	2024 10:57 AM	N	May 6, 2024 10:59 AM	Completed	Deployment after registrati	on		:	
	Device ftd Deploy_Job_3 Deploy_Job_2 Deploy_Job_1	Device Transcr ftd C Deploy_Job_3 Deploy_Job_2 Deploy_Job_2	Device Transcript Preview ftd R R R Deploy_Job_3 ad d Deploy_Job_2 ad Deploy_Job_2 ad S S	Device Transcript Preview Status ftd IS IS Comple Deploy_Job_3 admin admin admin Deploy_Job_2 admin system system	Device Transcript Preview Status ftd It Completed Completed Deploy_Job_3 admin May 7, Deploy_Job_2 admin May 6, Deploy_Job_1 System May 6,	Device Transcript Preview Status ftd Ital Completed Deploy_Job_3 admin May 7, 2024 9:57 PM Deploy_Job_2 admin May 6, 2024 11:04 AI Deploy_Job_1 System May 6, 2024 10:57 AI	Device Transcript Preview Status ftd IS Completed Deploy_Job_3 admin May 7, 2024 9:57 PM Deploy_Job_2 admin May 6, 2024 11:04 AM Deploy_Job_1 Syster May 6, 2024 10:57 AM	Device Transcript Preview Status ftd Ika Completed Deploy_Job_3 admin May 7, 2024 9:57 PM May 7, 2024 9:57 PM Deploy_Job_2 admin May 6, 2024 11:06 AM May 6, 2024 11:05 AM Deploy_Job_1 System May 6, 2024 10:57 AM May 6, 2024 10:59 AM	Device Transcript Preview Status ftd Image: Completed Status Completed Status Completed Status Deploy_Job_3 admin May 7, 2024 9:57 PM May 7, 2024 9:59 PM Completed Status Deploy_Job_2 admin May 6, 2024 11:04 AM May 6, 2024 11:05 AM Completed Status Deploy_Job_1 Syster May 6, 2024 10:57 AM May 6, 2024 10:59 AM Completed Status	Device Transcript Providew Status ftd IM Completed Deploydo Deploydo Deploydo Completed Deploydo Deploy	Device Transcript Preview Status frd Image: Completed status Completed status Completed status Deploy_Job_3 admin May 7, 2024 9:57 PM May 7, 2024 9:59 PM Completed status Deploy_Job_2 admin May 6, 2024 11:04 AM May 6, 2024 11:05 AM Completed status Deploy_Job_1 System May 6, 2024 10:57 AM May 6, 2024 10:59 AM Completed status	Device Transcript Preview Status ftd Ra Complete Deploy_Job_3 admin May 7, 2024 9:57 PM May 7, 2024 9:59 PM Completed Deploy_Job_2 admin May 6, 2024 11:04 AM May 6, 2024 11:05 AM Completed Deploy_Job_1 System May 6, 2024 10:57 AM May 6, 2024 10:59 AM Completed	Device Transcript Preview Status frd Image: Completed status Compl

Step 5. Select the device in question and click on the transcript option to see the individual deployment transcript which can inform you of failures as well as configurations that are placed on the managed devices.

Transcript Details	×
======SNORT APPLY=======	
====== CLI APPLY ========	
FMC >> clear configuration session	
FMC >> strong-encryption-disable	
FMC >> logging message 611101 level informational	
FMC >> logging message 611102 level informational	
FMC >> logging message 611103 level informational	
FMC >> logging message 605004 level informational	
FMC >> logging message 605005 level informational	
FMC >> no dp-tcp-proxy	
FMC >> policy-map global_policy	
FMC >> class inspection_default	
FMC >> class class-default	
FMC >> exit	
FMC >> vpn-addr-assign local	
	Close

Step 6. This transcript can designate certain failure conditions as well as indicate a very important number for the next step: Transaction ID.

Transaction ID: 34359753974 Device UUID: 49243dac-0ba7-11ef-af54-a592d78081a7

Step 7. In a Firepower Deployment, the Transaction ID is what can be used to track each individual section of a policy deployment. With this, on the **Command-Line** of the Device, you can obtain a more in-depth version of this data for remediation and analysis.

Tip: In the event that you are unable to locate the transaction ID or if you are on a version before this was printed, this log can still be of use to locate individual failure messages.

Troubleshoot with FMC Logs

Though it is appropriate to engage Cisco TAC to analyze the logs, a search through logs can help with initial problem isolation and expedite resolution. There are multiple log files on FMC that reveal the details about the policy deployment process.

The two most commonly referenced logs are policy_deployment.log and usmsharedsvcs.log.

All the mentioned files in this document can be viewed with multiple Linux commands such as more, less and vi. However, it is very important to ensure that only read actions are performed to it. All files require root access to be able to view them.

/var/opt/CSCOpx/MDC/log/operation/usmsharedsvcs.log

This log clearly marks the start of the policy deployment task on FMC and the completion of each phase, which helps to determine the phase where deployment ran into a failure, along with the failure code.

The transactionID value included in the JSON portion of the log can be used to find log entries related to one particular deployment attempt.

```
10-May-2024 18:05:31.249,[INFO],(JsonRESTServerResource.java:111)
com.cisco.nm.vms.api.rest.DeploymentServerResource, ajp-nio-127.0.0.1-9009-exec-3
** REST Request [ DC ]
** ID : e45c6abd-Offf-4341-bdad-ddd5fee10034
** URL: POST https://localhost6/csm/api/deploy/GetTranscript
{
    "data": {},
    "deviceUUID": "49243dac-Oba7-11ef-af54-a592d78081a7",
    "jobID": 34359753974,
    "offset": {
    "size": 20,
    "start": 0
```

```
},
"requestID": "e3be908a0ef711ef9d519da21f9032fa",
"version": "7.2.5"
}
```

/var/log/sf/policy_deployment.log

While this log file has existed throughout 6.x releases, which start at 6.4, its coverage was expanded.

It now describes the detailed steps taken on FMC to build the deployment packages, therefore it is best used for to analyze failures from Phase 1 - 4.

The start of each phase is marked by a line with INFO start.

```
May 8 02:00:58 RTP-vFMC-Pod-09 ActionQueueScrape.pl[10413]: > SF::UMPD::CSMData::getPolicyRollbackInfo
May 8 02:00:58 RTP-vFMC-Pod-09 ActionQueueScrape.pl[10413]: < SF::UMPD::CSMData::getPolicyRollbackInfo
...
```

Managed Device Troubleshooting

There are additional phases and sections which depend on the device package, High Availability configuration, and the outcome of prior phases for each managed device.

If a deployment issue is isolated to a failure on the managed device, further troubleshooting can be performed on the device with two logs on the device: **policy_deployment.log** and **ngfwManager.log**.

/ngfw/var/log/ngfwManager.log

This log file provides detailed steps taken by Config Communication Manager and Config Dispatcher to communicate with FMC, work with the deployment package, and orchestrate the validation and application of **Snort** and LINA configurations.

These are a few examples of **ngfwManager.log** that represent the start of major phases:

FTD receives FMC's request for running configuration:

```
May 30 16:37:10 ccm[4293] Thread-10: INFO com.cisco.ccm.ConfigCommunicationManager- Passing CD-Message
May 30 16:37:10 ccm[4293] Thread-10: DEBUG com.cisco.ccm.ConfigCommunicationManager- <?xml version="1.0"
```

FTD receives FMC's request to download the deployment package:

```
May 30 16:37:18 ccm[4293] Thread-9: INFO com.cisco.ccm.ConfigCommunicationManager- Downloading database
May 30 16:37:18 ccm[4293] Thread-9: DEBUG com.cisco.ccm.DownloadManager- handle record: 8589938211, sta
May 30 16:37:18 ccm[4293] Thread-9: DEBUG com.cisco.ccm.DownloadManager- begin downloading database
```

FTD begins the deployment of policy changes:

May 30 16:37:21 ccm[4293] Thread-9: INFO com.cisco.ccm.ConfigCommunicationManager- Starting deployment May 30 16:37:21 ccm[4293] Thread-11: INFO com.cisco.ccm.ConfigCommunicationManager- Sending message: D

FTD begins LINA deployment:

May 30 16:37:42 ccm[4293] Thread-19: DEBUG com.cisco.ngfw.configdispatcher.communicators.LinaCommunicat

FTD begins finalizing the deployment:

May 30 16:38:48 ccm[4293] Thread-19: DEBUG com.cisco.ngfw.configdispatcher.communicators.LinaCommunicators.ame:Cluster-App-Conf-Finalize-Request

/ngfw/var/log/sf/policy_deployment.log

This log contains the details of the policy applied to **Snort**. Though the content of the log is mostly advanced and requires analysis by TAC, it is still possible to trace the process with a few key entries:

Config Dispatcher begins extracting the packaged policies for validation:

Jul 18 17:20:57 firepower policy_apply.pl[25122]: INFO -> calling SF::UMPD::Plugins::NGFWPolicy::Device
Jul 18 17:20:57 firepower policy_apply.pl[25122]: INFO found NGFWPolicy => (NGFWPolicy::Util 32 <- No
...
Jul 18 17:20:57 firepower policy_apply.pl[25122]: INFO export FTD platform settings... (PlatformSettings)</pre>

Config validation begins:

Jul 18 17:21:37 firepower policy_apply.pl[25122]: INFO starting validateExportedFiles - sqlite = /var/

Validation has completed successfully:

Jul 18 17:21:49 firepower policy_apply.pl[25122]: INFO validateExportedFiles - sqlite = /var/cisco/depl

Config Dispatcher begins moving the validated configuration to the Snort directories in production:

Jul 18 17:21:54 firepower policy_apply.pl[26571]: INFO -> calling SF::UMPD::Plugins::NGFWPolicy::Devic

Snort processes will reload to apply the new configurations:

Jul 18 17:22:02 firepower policy_apply.pl[26571]: INFO Reconfiguring DE a3bcd340-992f-11e9-a1f1-ac829f Jul 18 17:22:02 firepower policy_apply.pl[26571]: INFO sending SnortReload to a3bcd340-992f-11e9-a1f1-

Snort reload has completed successfully:

Jul 18 17:22:14 firepower policy_apply.pl[26571]: INFO notifyProcesses - sandbox = /var/cisco/deploy/sa

After LINA config apply finishes, Snort deployment is finalized:

Jul 18 17:23:32 firepower policy_apply.pl[26913]: INFO starting finalizeDeviceDeployment - sandbox = /

Example

Step 1. A deployment fails

Deployr	nents Up	grades	Health	Tasks			Show Notif
20+ total	0 waiting	0 running	0 retrying	20+ success	3 failures	् Filter	
Policy Depl Policy De	loyment ployment to		Apply fai	led			5m
 Policy Dep Policy De 	loyment ployment to		Apply fai	led			5m
 Local Instal Installing Failed to in 	I Cisco Firepov stall Geolocatio	wer GeoLoca n Update Pie	tion Databas	e Update versi chnical support.	on: GeoDB-20	24-03-25-01	9
			Nom	ore older task	5		

Step 2. Obtain the Deploy Transcript and Transaction ID.

Transaction ID: 34359753974

Device UUID: 49243dac-0ba7-11ef-af54-a592d78081a7

Step 3. SSH into your Management Center and utilize the Linux utility less to read the file as shown on your FMC:

Example: **sudo less /var/opt/CSCOpx/MDC/log/operation/usmsharedsvcs.log** (The sudo password is your user password for ssh.)

[admin@firepower:~\$ sudo less /var/opt/CSCOpx/MDC/log/operation/usmsharedsvcs.log]

1

Password:

Step 4. When you are in less, use forward slash and enter in the message ID to search for the logs related to the deployment **transactionID**.

Example: /60129547881 (While inless, use n to navigate to the next result.)

Example of Running Message

```
10-Feb-2020 19:58:35.810, [INF0], (DefenseCenterServiceImpl.java:1394)
com.cisco.nm.vms.api.dc.DefenseCenterServiceImpl, Thread-526
** REST Request [ CSM ]
** ID : b1b660d2-6c1e-40a0-bbc4-feac62673cc8
** URL: Broadcast message.send.deployment
ł
 "body" : {
   "property" : "deployment:domain_snapshot_success",
   "argumentList" : [ {
     "key" : "PHASE",
     "value" : "Phase-2"
   }]
 },
 "user" : "68d03c42-d9bd-11dc-89f2-b7961d42c462",
 "type" : "deployment",
 "status" : "running",
 "progress" : 20,
 "silent" : true,
 "restart" : false,
 "transactionId" : 60129547881,
 "devices" : [ "4bd5d1b0-3347-11ea-b74f-c05455b8c82b" ]
ι
```

Example of Failure Message

```
10-Feb-2020 19:58:36.516, [INF0], (DefenseCenterServiceImpl.java:1394)
com.cisco.nm.vms.api.dc.DefenseCenterServiceImpl, Thread-526
** REST Request [ CSM ]
** ID : 3df80a13-2da8-4eb1-a599-c123bf48ac9f
** URL: Broadcast message.send.deployment
{
 "body" : {
    "property" : "deployment:failed_to_retrieve_running_configuration"
    "argumentList" : [ {
      "key" : "PHASE",
      "value" : "Phase-3"
    } ]
  }.
  "user" : "68d03c42-d9bd-11dc-89f2-b7961d42c462",
  "type" : "deployment",
  "status" : "failure",
 "progress" : 100,
 "silent" : false,
  "restart" : false,
  "transactionId" : 60129547881,
 "devices" : [ "4bd5d1b0-3347-11ea-b74f-c05455b8c82b" ]
}
```

5) Compare the proper failure to the attached table of Common Failure Messages.

That is, **failed_to_retrieve_running_configuration** occurs during communication failures between the two devices.

Common Failure Messages

These are common failure messages that can be seen on the front end of the Management Center Task as well as the error code which can be seen in the backend.

These messages can be analyzed and compared with the common reasons for possible resolutions.

In the event that these are not seen, or do not resolve your situation, please contact TAC for assistance.

Error code	Error messages	Reas
device_has_changed_domain	Deployment failure - The device has changed from {SRCDOMAIN} to {DESTINATIOND Try again later.	This typic when has n OMAIN}. is tak secor A re- while doma

			infor occur amen issue
	device_currently_under_deployment	Deployment failed due to another deployment in progress for this device. Try again later.	This repor deplo trigg devic deplo some this i witho notifi howe phase for trout
	device_not_member_of_container	Deployment cannot be performed on an individual device that is a member of a cluster. Try to deploy the cluster again later.	This appli FTD with Firep eXter Oper Syste Chas Mana cluste FXO on th mess show creat on th Mana Cent befor atten deplo
-	policy_altered_after_timestamp_for_other_devices_in_job_error	Policies for one or more devices have been altered since {TIMESTAMP}. Retry deployment.	This show polic alter devic deplo after

		trigg and b eleme doma snaps creat redep this is This when use th FMC save while
policy_altered_after_timestamp_error	Policy {Policy Name} has been altered since {Timestamp}. Retry deployment.	This show polic, alter conce in the deple after trigg and b and c snaps creat redep this i
csm_snapshot_error	Deployment failed due to failure of collection of policies and objects. If problem persists after a repeated attempt contact Cisco TAC.	If a r Impo provi hour atten deplo If thi allow proce conta is a d relate
domain_snapshot_timeout	Deployment failed due to timeout to collect policies and objects. If problem persists after another attempt, contact Cisco TAC.	The o snaps timeo minu defau

		syster high hyper malfu this c unna in the This the N Centa is not the p amou mem resou If thi witho does at a 1 conta
domain_snapshot_errors	Deployment failed in policy and object collection. If problem persists after another attempt, contact Cisco TAC.	Cont Adva trout is rec
failed_to_retrieve_running_configuration	Deployment failed due to failure to retrieve run configuration information from device. Retry deployment.	This occur conne betwo senso FMC funct expect the tu betwo and n conne betwo devic Uf the work expect devic comm

device_is_busy	Deployment failed as device can be running a previous deployment or a restart. If problem persists after another attempt, contact Cisco TAC.	This is show FMC deplo previde deplo progr Typic when deplo unfin FTD reboc ngfw proce restar after allow forma must issue. If afte if the accep conta
no_response_for_show_cmd	Deployment failed due to connectivity issues with the device or device does not respond. If problem persists after another attempt, contact Cisco TAC.	FMC certai LINA comm fetch confi genen This when conne probl with proce senso In the you a conne senso

		TAC.
network_latency_or_device_not_reachable	Deployment failed due to communications failure with device. If problem persists after another attempt, contact Cisco TAC.	Usual with I latence the de cause timeo the ne latence devic match minir versio in the
slave_app_sync	Deployment failed as cluster configuration synchronization is in progress. Retry deployment.	This is only is clusted deplo attem FTD app sync(sync) progr is reje FTD. config must issue. The c status tracked comm mana CLIS > sho info
asa_configuration_generation_errors	Deployment failed to generate device configuration. If problem persists after another attempt, contact Cisco TAC.	After of the menti you c see w confi cause These

		bugs logs c brows the C Tool conta TAC troub furthe
interface_out_of_date	Deployment failed because interfaces on device are out of date. Save the configuration on the interfaces page and retry.	This of 4100 mode interf unass the do or rig deplo Verif interf assoc unass befor the do
device_package_error	Deployment failed to generate configuration for device. If problem persists after another attempt, contact Cisco TAC.	This of indica gener devic config the do Conta
device_package_timeout	Deployment failed due to timeout during configuration generation. If problem persists after another attempt, contact Cisco TAC.	This of latence betwee device the no Conta after issue
device_communication_errors	Deployment failed due to failure with device communication. Check network connectivity and retry deployment.	This the faany

		issues devic vague writte fallba that a conne has o
unable_to_initiate_deployment_dc	Policy deployment failure. Retry deployment.	Anotl must issue. This of when unabl deplo a tem on the
device_failure_timeout	Deployment to device failed due to timeout. Retry deployment.	This is FTD Proce wait 3 for th comp deplo not, in If this verify conne the co as exp Conta
device_failure_download_timeout	Deployment failed due to configuration download timeout to device. If problem persists after another attempt, contact Cisco TAC.	This is FTD The F to dov devic config during to con issues Please netwo connet been

		If this verifi TAC.
device_failure_configuration	Deployment failed due to configuration error. If problem persists after another attempt, contact Cisco TAC.	Any e config gener for the must error This r analy USM verify are se attem them Once this u requir interv bug c logs c match know the C Searc
deployment_timeout_no_response_from_device	Deployment failed due to communication timeout with device. If problem persists after another attempt, contact Cisco TAC.	This to occur has no from after = This i comm error. Verify comm and if conta
device_failure_change_master	Deployment to cluster failed as primary unit has changed. Retry deployment.	For a cluste

		deplo
		prima
		switc
		deplo
		progr
		devic
		notifi
		error
		Retry
		prima
		stable
		The c
		mem
		he tra
		this c
		the m
		devic
		ue vie
		> sho
		info
		FMC
		unabl
		deter
		curre
		node
		deplo
		Туріс
		due to
		possi
		either
		issues
		prima
		addec
	Deployment to cluster failed due to primary unit	cluste
device_failure_unknown_master	identification failure. Retry deployment.	T
		It mu
		resolv
		conne
		reesta
		after
		the cu
		prima
		FMC
		retry
		The c
		status
		tracke
		comn

		mana CLIS > sho info
cd_deploy_app_sync	Deployment failed as cluster configuration synchronization is in progress. Retry deployment.	This of the do App S comp retry once
cd_existing_deployment	Deployment failed due to conflict with concurrent previous deployment. If problem persists after another attempt, contact Cisco TAC.	This of deplo concu side, other. These cause comm issues devic If afte occur are st deplo TAC.

Related Information

- Troubleshoot Firepower File Generation Procedures
 Cisco Technical Support & Downloads