Create Device Config Backup onto Local EPNM or Remote Server.

Contents

Introduction

This document describes the steps to copy device config backup on local Evolved Programmable Network Manager (EPNM) or Remote server

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Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics

- EPNM
- How to connect to the EPNM Application Server GUI and CLI with shell access

Components Used

The information in this document is based on EPNM with software Version 5.x.

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.

Problem

Unable to copy the config backup of devices on local EPNM/remote sever

Solution

1. **Create local or remote repository Method**

```
epnm50/admin#
epnm50/admin# config t
epnm50/admin(config)# repository testconfigbackup
epnm50/admin(config-Repository-testconfigbackup)# url sftp://< IP address of local or remote
server>/localdisk/sftp/ccmbackup
epnm50/admin(config-Repository-testconfigbackup)# user test password plain cisco123
epnm50/admin(config-Repository-testconfigbackup)# end
```

- Choose repository from Config Archive(EPNM GUI->Inventory->Config Archive-> Click on
  Backup to Repository) and click on **Run**. Ensure the directory created for backups has proper
  permission to create files on remote server.
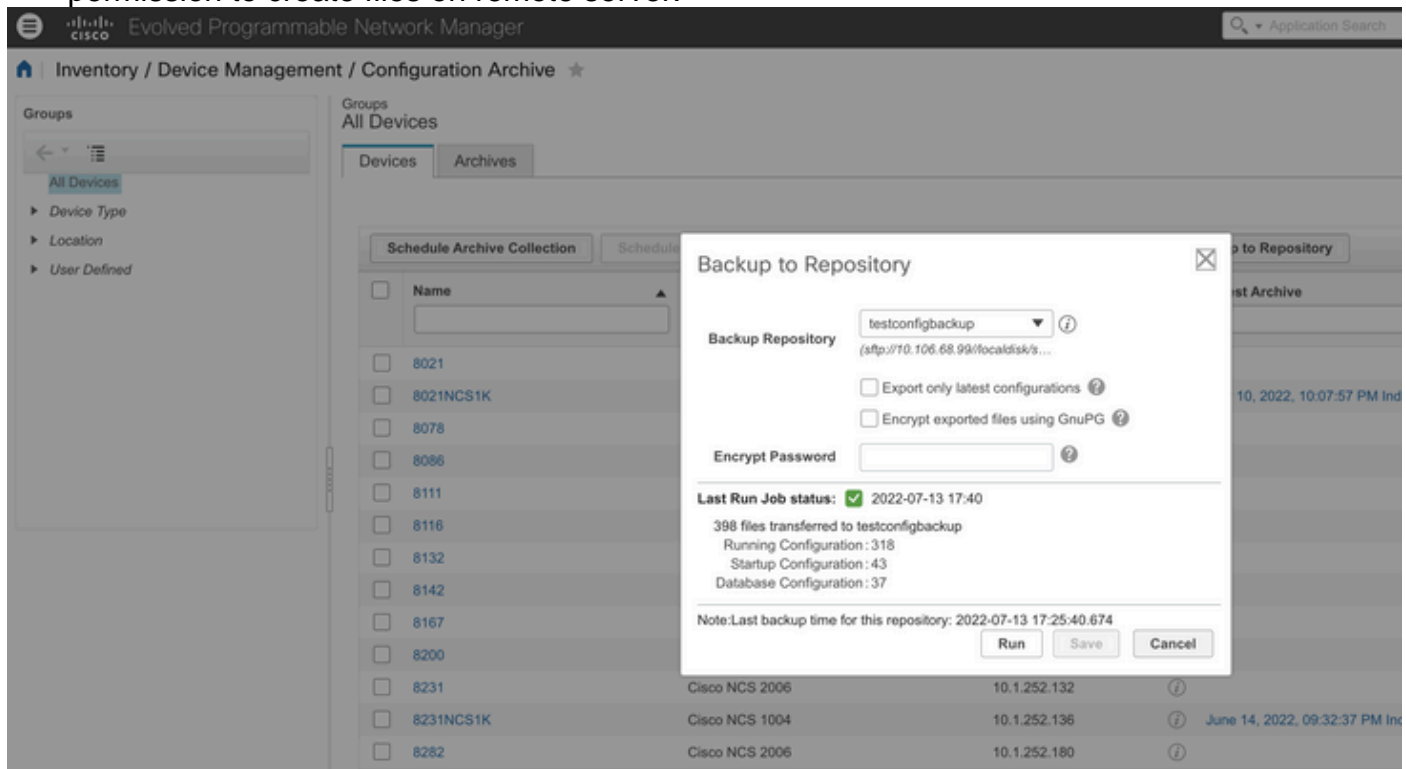
- Inorder to check config collected on local or remote server run the command

```
epnm50/admin# show repository testconfigbackup
CiscoPrime-epnm50_ConfigArchive_2022-07-13_17-25-40.zip
epnm50/admin#
```
Local/Remote Server

```
root@epnm60 ccmbackup]# ls -lrt
total 4880
-rw-rw-r--. 1 root gadmin        0 Jul 13 17:32 abc.cfg
-rw-rw-r--. 1 test gadmin        0 Jul 13 17:39 cde.cfg
-rw-r--r--. 1 test gadmin 4995674 Jul 13 17:40 CiscoPrime-epnm50_ConfigArchive_2022-07-13_17-25-
40.zip
```

2) **API call Method**

We can also use restconf API as shown to fetch config backup of all devices or specific device on
any northbound server as

https ://<EPNM IP Address>/webacs/api/v1/data/BulkUnsanitizedConfigArchives?.full=true

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<comments>Backup has not been performed because the device configuration has not changed since the last backup</comments>
<createdAt>2021-06-23T15:59:06.178+05:30</createdAt>
<createdBy>Syslog</createdBy>
<deviceId>4258325072</deviceId>
<deviceName>POC-RR-920.cezdata.corp</deviceName>
<diffType>IN_SYNC</diffType>
▼<files>
▼<file>
<data>! ! Last configuration change at 15:52:57 CEST Wed Jun 23 2021 by qpepnmcli ! NVRAM config last updated at 15:37:35 CEST Wed Jun 23 2021 by adminpoc ! version 16.12 no service pad service timestamps debug datetime msec localtime show-timezone year service timestamps log datetime msec localtime show-timezone year service password-encryption service unsupported-transceiver no platform punt-keepalive disable-kernel-co platform bfd-debug-trace 1 platform xconnect load-balance-hash-algo mac-ip-instanceid platform tcam-parity-error enable platform tcam-threshold alarm-frequency 1 ! hostname POC-RR-920 ! boot-start-marker boot syst bootflash:asr920-universalk9_npe.16.12.05.SPA.bin boot-end-marker ! ! vrf definition MNG-MOD rd 65421:11 ! address-family ipv4 route-target export 65421:11 route-target import 65421:10 exit-address-family ! vrf definition Mgmt-intf ! address-family ipv4 exit-address-family ! address-family ipv6 exit-address-family ! logging userinfo logging buffered 10000000 logging persistent size 6400000 filesize 512000 no logging cons enable secret 9 9e7rt9fVlGCL9Fk$/tpab4yyadLn40.A9Lxbd3qlxr/I8n.MYIwLjj0u1TQ ! no aaa new-model clock timezone CET 1 0 clock summer-time CEST recurring last Sun Mar 2:00 last Sun Oct 3:00 ! ! ! ! ! ip domain lookup source-interface Loopback0 ip domain name cezdata.corp ! ! ! login on-failure log no login on-success log ! ! ! ! ! ! mpls label range 6000 32767 static 100 5999 mpls label protocol ldp mpls ldp nsr mpls explicit-null mpls ldp graceful-restart mpls ldp session protection mpls ldp igp sync holddown 1000 mpls ldp label allocate global prefix-list PFX-LDP-BINDING mpls ldp discovery targeted-hello accept mpls traffic- tunnels mpls traffic-eng logging lsp path-errors mpls traffic-eng logging lsp reservation-errors mpls traffic-eng logging lsp preemption mpls traffic-eng logging lsp setups mpls traffic-eng logging lsp teardowns m

The API call lists to get all the individual APIs per device as

https ://<EPNM IP address>/webacs/api/v1/data/BulkUnsanitizedConfigArchives

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