CSPC 2.10

Migration Guide

October 21

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Overview

This document facilitates you on how to migrate data from CSPC 2.8.1.8/2.9/ 2.9.1 to CSPC 2.10. Inventory data is not in the scope of data migration due to varying size of customer data.

Prerequisites

Make sure CSPC 2.8.1.8/2.9/2.9.1 and CSPC 2.10 servers are running on the same time zone and time.This aids you to run scheduled jobs without any issues.

Migration Scope

Following settings are migrated form CSPC 2.8.1.8,2.9 and 2.9.1 to CSPC 2.10:

ID	Settings
1	Application Setting (ALL)
2	Discovery Setting (ALL)
3	DAV Setting (ALL)
4	Inventory Setting (Advance Setting, Global time out, Device prompt, Custom Dsirt Rule)
5	Advance Job Setting (ALL)
6	All custom collection profile
7	All Collection schedule
8	Custom Data Set
9	Custom Masking rule
10	Device credential set in GUI transported to new collector transparently
11	Module Credential
12	Jump Server setting and credential
13	Custom Channel Definition setting
14	Syslog GUI Setting
15	All upload Profile with schedule
16	Upload Proxy configuration
17	All entitlement
18	Additional upload certificate to connectivity (custom) from customer
19	GUI login Setting (expiry and time out)
20	All GUI user and authentication
21	GUI Tacacs authentication for GUI user access
22	SSL Certificate client access
23	Syslog Parsing rule
24	Device groups
25	Do not manage device list

ID	Settings
26	seed file
27	Device entitlement mapping in Multi Entitlement
28	Device Display Properties Setting
29	Email setting
30	Manage Subscriber
31	Alert configuration
OS level Settings	
32	Crontab (Cron entries alone)
33	Iptables
34	routing table config
35	Addition Interface config if any(Listing alone)
36	/etc/hosts
37	/etc/resolv.conf
38	/etc/logrotate config

Following 2.8.1.8/2.9 / 2.9.1 files will be available in backup dir of 2.10 (/opt/cspc28backup/backup28/) for reference but not replaced in 2.10 due to OS level configuration difference

- /etc/passwd

- /etc/shadow
- /etc/group
- /etc/rsyslog.conf
- /etc/syslog-ng/syslog-ng.conf
- /etc/ssh/sshd_config
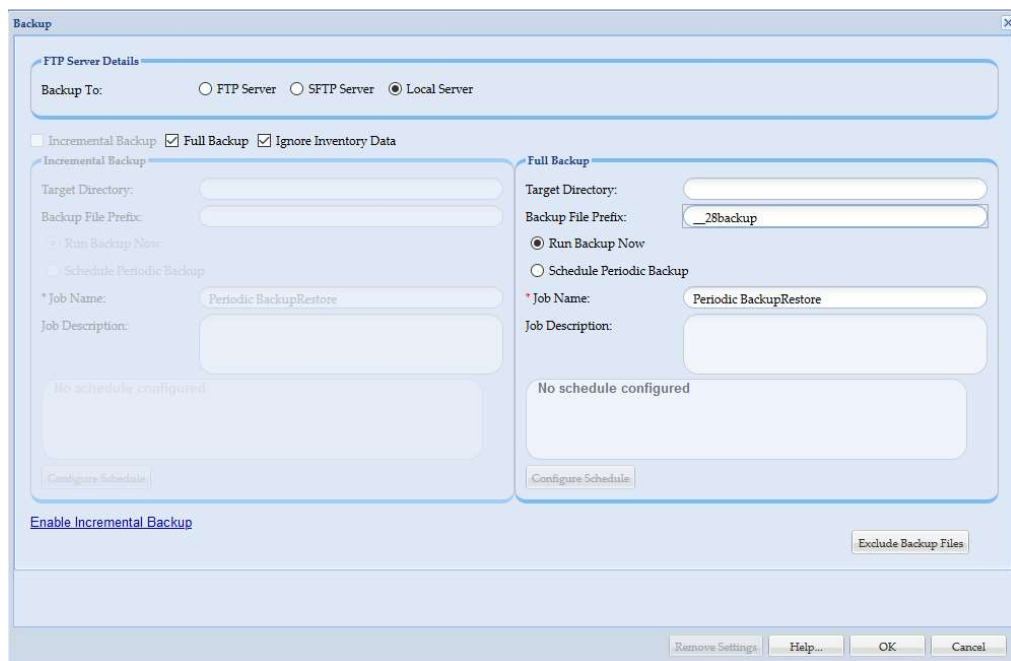- Output of bash_history

Note : Please configure custom cron scripts and any other custom files and folders need to be considered for migration which is not part of default migration scope. Configuration files `dir.conf` and `files.conf` available for this purpose as part of 2.8/2.9 backup process and steps are given below

Backup and Restore

Backup on CSPC 2.8.1.8/2.9/2.9.1

To perform a backup on CSPS 2.8.1.8/2.9/ 2.9.1 follow the steps:

1. Login to CSPC 2.8.1.8/2.9/2.9.1 GUI, Navigate to **Administration** > **Backup**. Select **Backup To** as **Local Server**, choose Full back and Ignore Inventory Data, and leave **Target Directory** as empty.

2. Backup file (.pbx) is generated under `$CSPCHOME/backup`. Download and have it in accessible location for restoring it into CSPC 2.10 Server.

3. To take backup of CSPC 2.8.1.8/2.9/2.9.1 server OS settings, upload `cspc28backupscript.zip` into `/opt` directory and and execute the below commands as root user.

```
unzip cspc28backupscript.zip

cd cspc28backupscript
```

Note : Configure custom files and directories which is not part of default 2.10 migration scope (Refer Migration scope table) in `files.conf` and `dir.conf` with complete path

```
./BackupRestore.sh -r
```

4. Backup file `cspc28backup.tar` is generated under given directory. Default location is `/opt` directory. Download and have it in accessible location for restoring into CSPC 2.10 Server.

Restore on CSPC 2.10

1. Deploy CSPC 2.10 OVA image and follow the wizard until **Registration** settings page as shown in the figure.
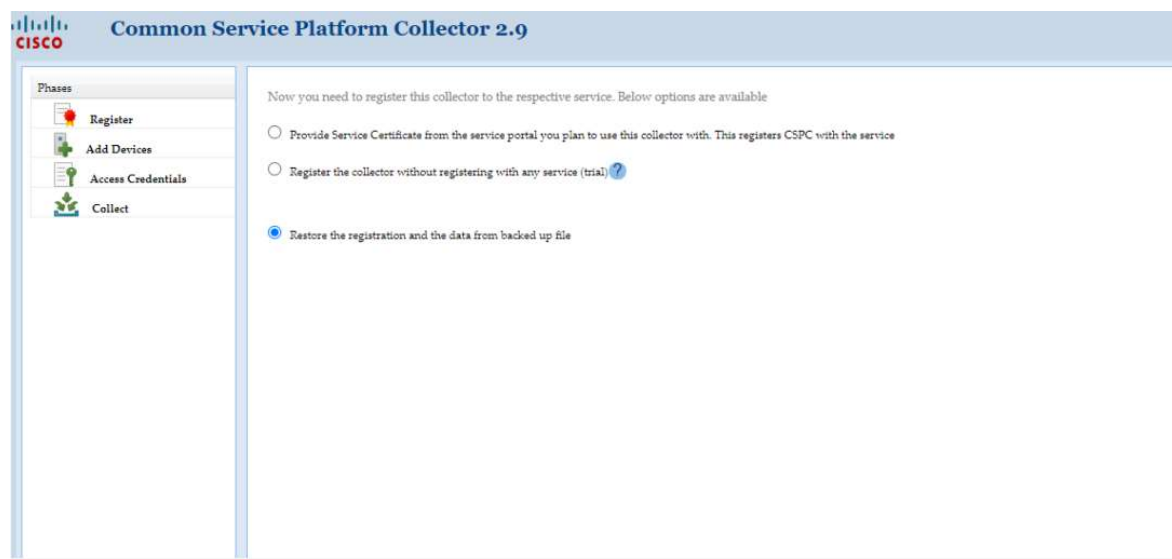

2. Copy the generated CSPC 2.8.1.8/2.9/2.9.1 database backup file (.pbx) to CSPC 2.10 Server `$CSPCHOME/backup` location and change file permissions and ownership as show below:

```
chmod 755 $CSPCHOME/backup/*.pbx

chown -R casuser:casusers $CSPCHOME/backup/*.pbx
```

3. Execute the command and capture process ID and time stamp
```
ps -ef | grep cspc_server
```

4. Select the **Restore the registration and the data from backed up file** option on wizard, select **Restore From** as **Local Server**, leave **Directory Name** as empty, and Select CSPC 2.8.1.8/2.9/2.9.1 backup file (.pbx) to restore.
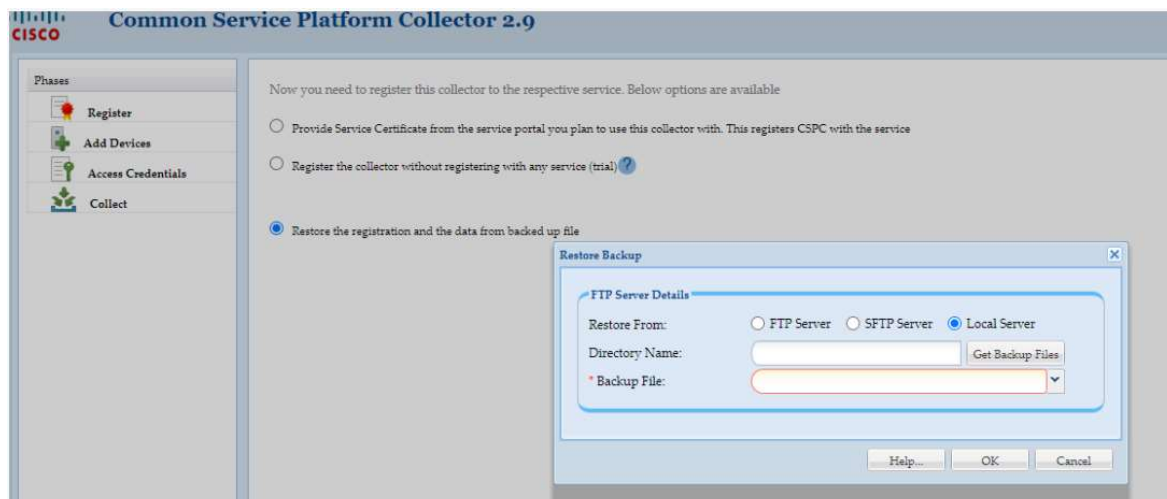
5. Restore will take approximately 30~40 mins and service will be restarted. To confirm service restart execute the command `ps -ef | grep cspc_server` and ensure new process ID is getting created and timestamp is updated accordingly.

6. To restore CSPC 2.8.1.8/2.9/2.9.1 server OS settings, copy the generated `cspc28backup.tar` file to CSPC 2.10 Server `/opt` location and execute the below commands as root user.
```
tar -xvf cspc28backup.tar
cd cspc28backup
./BackupRestore.sh -r
```

Note: Server will be rebooted once restore is completed.

7. After successful restore, CSPC 2.10 collector will have old (2.8.1.8/2.9/2.9.1) appliance ID, GUI users password, and Security questions.

Manual configurations on 2.8.1.8/2.9/2.9.1

You can use manual configuration if an addon is installed on 2.8.1.8/2.9/2.9.1

- If NCCM addon is installed on 2.8.1.8/2.9/2.9.1 server, then install the same on CSPC 2.10 server.

Observations

As we ignore the inventory data while taking the backup, collection data is not display until first collection is processed.

After restoring, Backup & Restore job will show as aborted.

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