Back up the Database from One Cisco M-Series Device to Another

Contents

Introduction

This document describes how to backup the database (DB) from one Cisco M-Series device to another.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- AsyncOS 7.2 and later

Problem

Start the backup of the DB to a secondary M-series device.

Solution

Here are the requirements before you begin the backup of the DB to a secondary M-series device.

- Both M-series devices have to be on the same AsyncOS version (7.2 and later only)
- The target M-series device has to have enough disk space for backup. Navigate to **System Administration > Disk Management** (see online documentation on how to allocate if some disk is left over).

If you do not have enough disk space during the setup, you might get a message similar to this:

```
Verifying target machine for version compatibility and disk space...
Backup cannot be scheduled. Reason: There is not enough space for Centralized
Spam Quarantine, Centralized Email Tracking, Centralized Reporting. Please increase disk
allocation for these services on the target machine.
```

OR

```
Verifying target machine for version compatibility and disk space...
Backup cannot be scheduled. Reason: There is not enough space for Centralized
Web Tracking. Please increase disk allocation for these services on the target
machine.
```

Check the disk quota as mentioned previously on the target machine.

The two Security Management Appliances (SMAs), one M650 (source of DB system named **m650sma.run**), and target M1050 (destination backup of DB system named **m1050sma.run** and IP 192.168.15.1).

Log in to the CLI on the source M-series (in our test sma1.example.com) and enter these commands:

```
sma1.example.com> backupconfig

Choose the operation you want to perform:
- VIEW - View scheduled backups
- VERIFY - Verify if backup can be scheduled to a remote machine
- SCHEDULE - Schedule backup to an appliance
- CANCEL - Cancel a scheduled backup
- STATUS - Show the status of a backup in progress.
- SETUP - Configure backup parameters.
[]> setup

Enter level of verbosity:
[0]> 0          < this can be 0 or 3 0=lowest verbosity of backup logs and 3 is the highest>

Compression is desirable on slow connections, but will only slow down backup on
fast networks. Would you like to enable compression? [N]>   <hit enter here to pick default
withing the brackets [N]>

Choose the operation you want to perform:
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- STATUS - Show the status of a backup in progress.
- SETUP - Configure backup parameters.
[]> verify

Enter the IP address of a machine to transfer data to.
[]> 192.168.15.1

Enter a name to identify this appliance
[]>sma2.example.com

Please enter username and password:
Username:
[]> admin

Password:
[]> <enter admin password for the target SMA>
Verifying target machine for version compatibility and disk space...
```

```
Backup can be scheduled on to 192.168.15.1.

Choose the operation you want to perform:
- VIEW - View scheduled backups
- VERIFY - Verify if backup can be scheduled to a remote machine
- SCHEDULE - Schedule backup to an appliance
- CANCEL - Cancel a scheduled backup
- STATUS - Show the status of a backup in progress.
- SETUP - Configure backup parameters.
[]> schedule

Enter the IP address of a machine to transfer data to.
[]> 192.168.15.1

Enter a name to identify this appliance
[]>sma2.example.com

Please enter username and password:
Username:
[]> admin

Password:
[]> <type the admin password on the target SMA>
Verifying target machine for version compatibility and disk space...
1. Set up a repeating backup schedule
2. Schedule a single backup
3. Start a single backup now
[1]>

1. Daily
2. Weekly
3. Monthly
[1]> 3

What day of the month would you like the backup to occur?
[1]>  <hit enter here>

What time of day would you like the backup to start?  Please enter in HH:MM
format.
[]> 02:00

Please enter a name for this backup job:
[]> weekly

Backup "weekly" has been scheduled successfully.

Choose the operation you want to perform:
- VIEW - View scheduled backups
- VERIFY - Verify if backup can be scheduled to a remote machine
- SCHEDULE - Schedule backup to an appliance
- CANCEL - Cancel a scheduled backup
- STATUS - Show the status of a backup in progress.
- SETUP - Configure backup parameters.
[]> view

Scheduled Backups:
# Name    IP               Schedule
= ====== =============== ================================
1 weekly To 192.168.15.1 on day 1 of every month at 02:00


Choose the operation you want to perform:
- VIEW - View scheduled backups
- VERIFY - Verify if backup can be scheduled to a remote machine
```

```
- SCHEDULE - Schedule backup to an appliance
- CANCEL - Cancel a scheduled backup
- STATUS - Show the status of a backup in progress.
- SETUP - Configure backup parameters.
[]> <hit enter until your back in CLI>

sma1.example.com> commit

Please enter some comments describing your changes:
[]> scheduled a weekly backup

Changes committed: Wed Mar 16 18:09:51 2011 GMT
sma1.example.com>
```