5.2 Mail-Level Backup and Restore for Exchange Server DAG thru a Remote Machine

5.2.1 Create Mail Level Backup Set

Follow this section if your AhsayOBM is installed on a remote machine.

5.2.1.1. Click the Backup Sets icon on the main interface of AhsayOBM.

5.2.1.2. Create a new backup set by clicking the "+" icon next to Add new backup set.
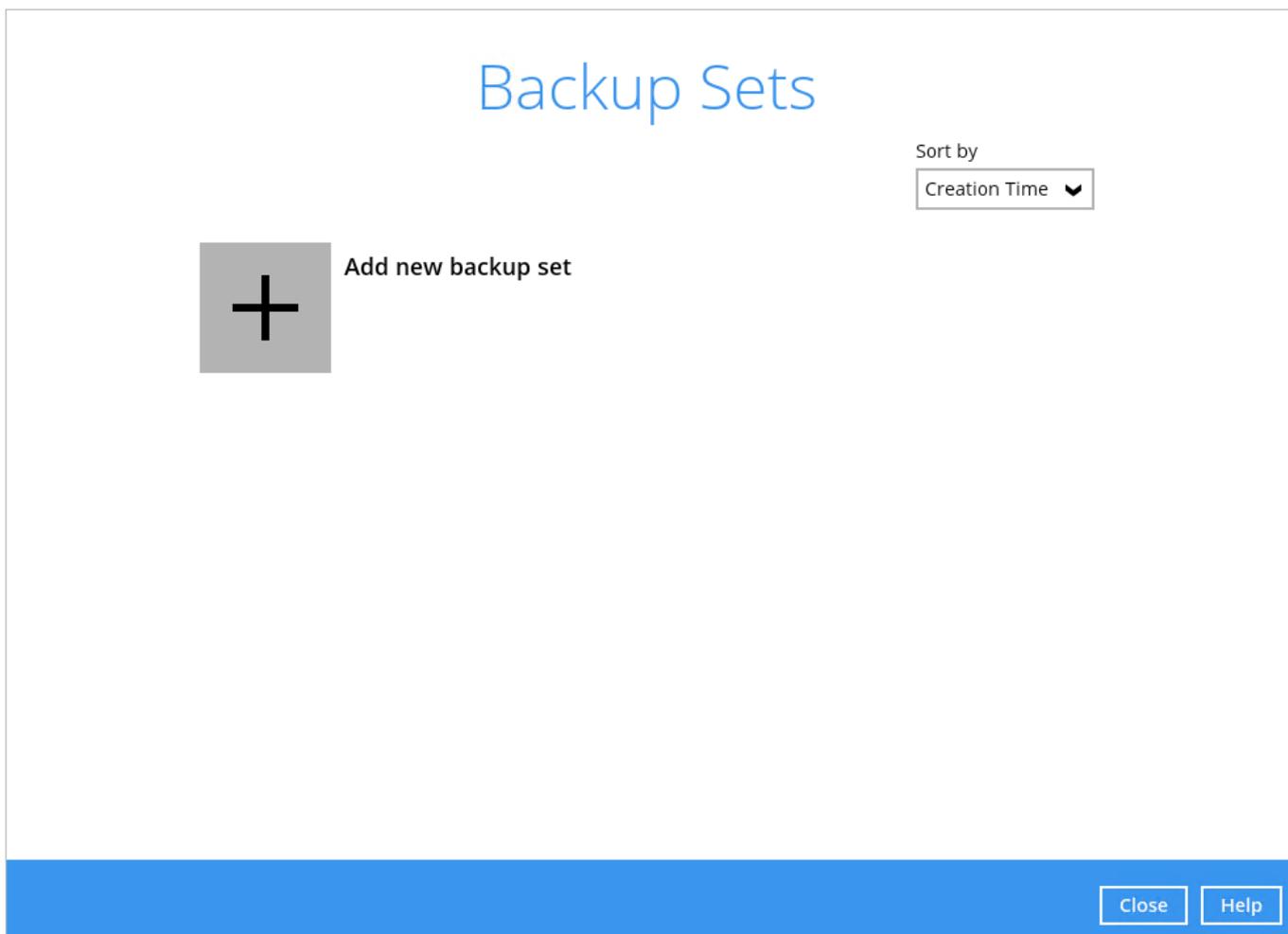
5.2.1.3. Select the Backup set type as MS Exchange Mail Level Backup.

Create Backup Set

Name

MS Backup 2019 Mail Level Backup (DAG)

Backup set type

✉ MS Exchange Mail Level Backup ⌄

Version

Microsoft Exchange Server 2007 ⌄

Microsoft Exchange Server 2007
Microsoft Exchange Server 2010
Microsoft Exchange Server 2013
Microsoft Exchange Server 2016
Microsoft Exchange Server 2019
Microsoft Exchange Server 2010 (DAG)
Microsoft Exchange Server 2013 (DAG)
Microsoft Exchange Server 2016 (DAG)

Next   Cancel   Help

- Name your new backup set.
- Select from the following version:
  - Microsoft Exchange Server 2013
  - Microsoft Exchange Server 2016
  - Microsoft Exchange Server 2019
  - Microsoft Exchange Server 2013 (DAG)
  - Microsoft Exchange Server 2016 (DAG)
  - Microsoft Exchange Server 2019 (DAG)

- As AhsayOBM is not installed on directly on the MS Exchange 2016 or 2019 server, it cannot automatically detect the MS Exchange version. Therefore, the MS Exchange version must be selected manually.

Create Backup Set

Name

MS Exchange 2019 Mail Level Remote Backup (DAG)

Backup set type

✉ MS Exchange Mail Level Backup ⌄

Version

Microsoft Exchange Server 2019 (DAG) ⌄

Host (DAG Member Server)

IP address of DAG Member Server ☒

IP address of DAG Member Server ☒

Add

Username

username

Password

••••••••

☐ Access the Internet through proxy

Test

Next   Cancel   Help

- Enter the hostname of Exchange server, the username and password of the Windows user account used for backup.
- Check the "Access the Internet through proxy" if required.
- Click the Test button to verify the login details..
- Then click Next to proceed.

5.2.1.4. In the Backup Source menu, select the mailboxes or public folders for backup. You can click to expand the according mailbox or public folder to select which mail folder to back up. You can also click Show mails to select individual mail to back up. Click Next to proceed when you are done.

5.2.1.5. In the Schedule menu, you can configure a backup schedule for backup job to run automatically at your specified time interval. By default, the Run scheduled backup for this backup set option is disabled. Enable it then click the "+" icon next to Add new schedule. Click Next to proceed when you are done setting.

Schedule

Run scheduled backup for this backup set

Off

Previous   Next   Cancel   Help

5.2.1.6. In the Destination menu, select a backup destination where the backup mail will be stored. Click the "+" icon next to Add new storage destination / destination pool.

Destination

Backup mode

Sequential ▾

Existing storage destinations

➕ Add new storage destination / destination pool

⌃ ⌄

Previous   Next   Cancel   Help

5.2.1.7. Select the destination storage, then click OK to proceed.

New Storage Destination / Destination Pool

Name

AhsayCBS

Destination storage

C AhsayCBS ▾

OK   Cancel   Help

5.2.1.8. Click Next on the Destination menu page to proceed.
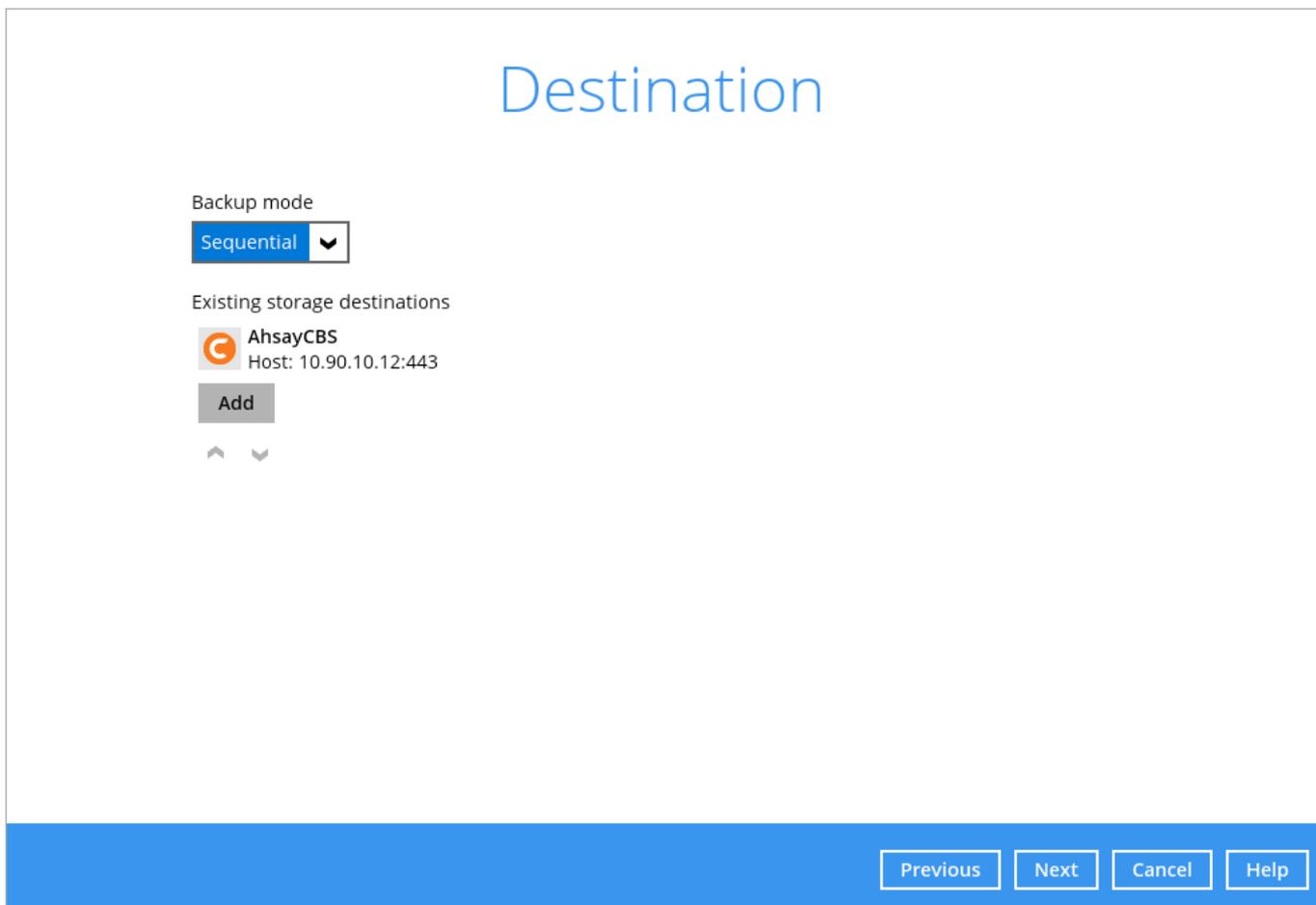
5.2.1.9. In the Encryption window, the default Encrypt Backup Data option is enabled with an encryption key preset by the system which provides the most secure protection.
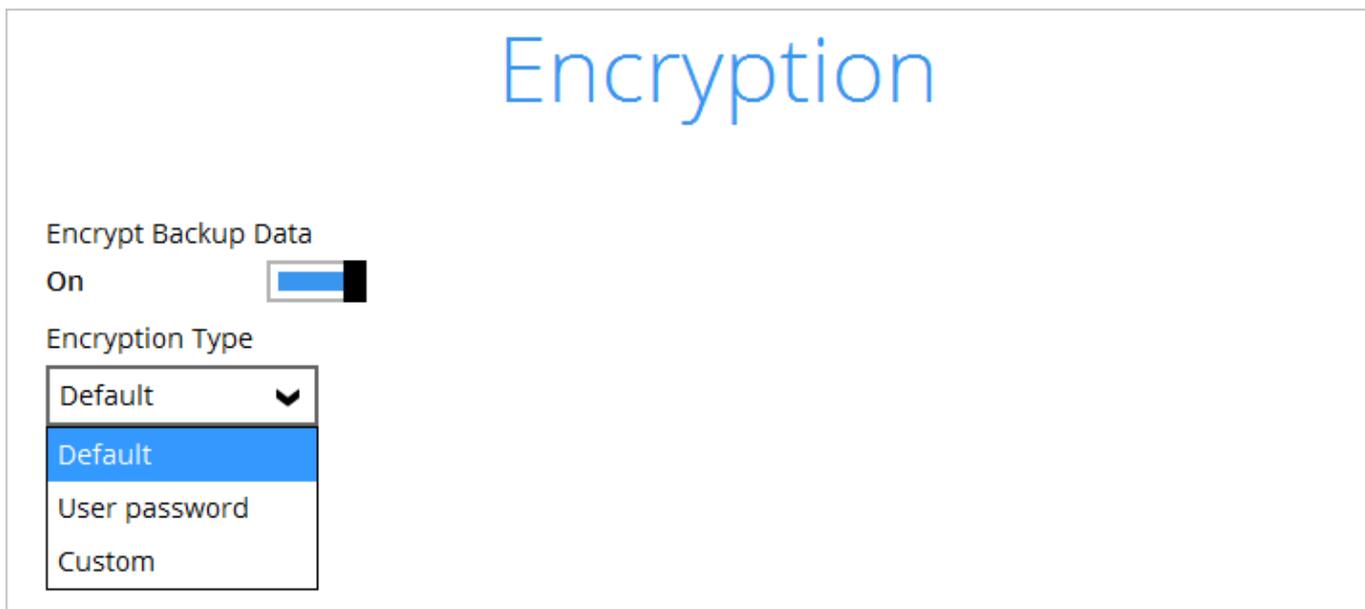
5.2.1.10. You can choose from one of the following three Encryption Type options:

- **Default** – an encryption key with 44 alpha numeric characters will be randomly generated by the system
- **User password** – the encryption key will be the same as the login password of your AhsayOBM

at the time when this backup set is created. Please be reminded that if you change the AhsayOBM login password later, the encryption keys of the backup sets previously created with this encryption type will remain unchanged.

- **Custom** – you can customize your encryption key, where you can set your own algorithm, encryption key, method and key length.

5.2.1.11. If you have enabled the Encryption Key feature in the previous step, the following pop-up window shows, no matter which encryption type you have selected.
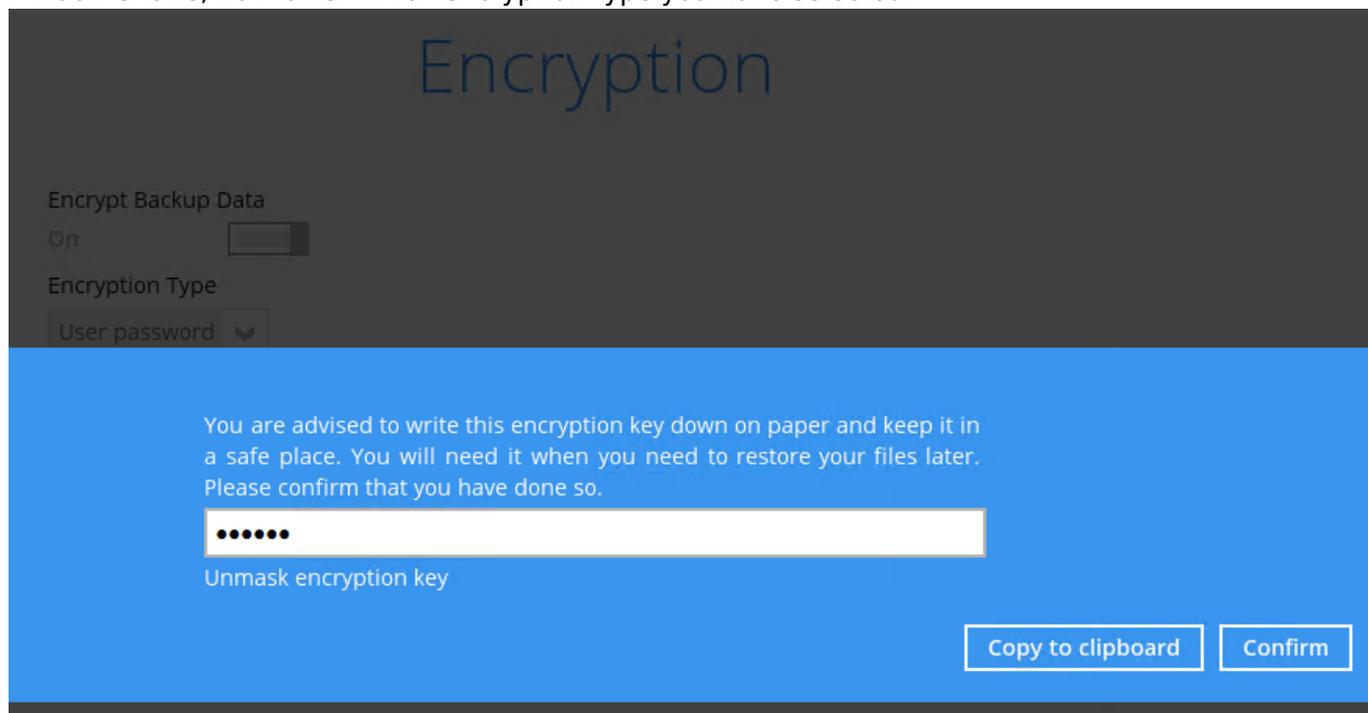
The pop-up window has the following three options to choose from:

- **Unmask encryption key** – The encryption key is masked by default. Click this option to show the encryption key.

- **Copy to clipboard** – Click to copy the encryption key, then you can paste it in another location of your choice.
- **Confirm** – Click to exit this pop-up window and proceed to the next step

5.2.1.12. Enter the Windows login credentials for user authentication. Click Next to proceed. The User name should be entered in the following format "user@hostname", i.e. administrator@ahsay.com

> The Windows User Authentication interface will show only if scheduled backup is enabled and set successfully.

5.2.1.13. The following screen shows when the new backup set is created successfully.

Congratulations!

"MS Exchange 2016 Mail Level Remote Backup (DAG)" is succes...

| Backup now | Close |

5.2.1.14. Click Backup now to start a backup immediately, or you can run a backup job later by following the instructions in Run Mail Level Backup Job

5.2.2 Run Mail Level Backup Job

Below are the steps of the backup process.

5.2.2.1. Log in to AhsayOBM.

5.2.2.2. Click the Backup icon on the main interface of AhsayOBM.

5.2.2.3. Select the backup set which you would like to start a backup for.

Please Select The Backup Set To Backup

Sort by

Creation Time ▼

MS Exchange 2016 Mail Level Remote Backup (DAG)
Owner: DESKTOP-I7U6970
Newly created on Wednesday, 6 March 2019 09:24

Close   Help

5.2.2.4. If you would like to modify the In-File Delta type, Destinations and Retention Policy settings, click Show advanced option.

{{public:documents_and_guides:obm:exchange-mail-level-backup-ews:image311.png?800}}

5.2.2.5. Click Backup to start the backup.

5.2.3 Restore Mail Level Backup

Below are the steps of the restore process.

5.2.3.1. In the AhsayOBM main interface, click the Restore icon.

5.2.3.2. Select the backup set that you would like to restore mail from.

Please Select The Backup Set To Restore

Sort by

Creation Time ⌄

MS Exchange 2016 Mail Level Remote Backup (DAG)
Owner: DESKTOP-I7U6970
Last Backup: Wednesday, 6 March 2019 09:44

Close   Help

5.2.3.3. Select the backup destination that contains the mail(s) that you would like to restore.

Select The Destination From Which To Restor...

MS Exchange 2016 Mail Level Remote Backup (DAG)

AhsayCBS
Host: 10.90.10.12:443

Previous   Cancel   Help

5.2.3.4. Click to expand the menu tree to select which mailbox to restore. You can also select mail item(s) from a specific backup job or all mail items that you have backed up to restore. Click Next to proceed.

5.2.3.5. Select to restore the mail to their Original location, Alternate location or to an Alternate host.

- **Restore to Original Location** - Select the **Original location** option. If you would like to modify the Verify checksum of in-file delta files setting, click **Show advanced option**. Then press **Next** to proceed.

Choose Where The Mail Objects To Be Restor...

Restore mail objects to

- ⦿ Original location
- ◯ Alternate location
- ◯ Alternate host

Show advanced option

Previous   Next   Cancel   Help

Choose Where The Mail Objects To Be Restor...

Restore mail objects to

- ⦿ Original location
- ◯ Alternate location
- ◯ Alternate host

☐ Verify checksum of in-file delta files during restore

Hide advanced option

Previous   Next   Cancel   Help

- **Restore to Alternate Mailbox** - You can choose to restore mailbox item(s) to another mailbox in the same Exchange server. Select the **Alternate location** option. If you would like to modify the Verify checksum of in-file delta files setting, click **Show advanced option** then press **Next**. Select the desired mailbox destination, then press Next to proceed.

Choose Where The Mail Objects To Be Restor...

Restore mail objects to

○ Original location
◉ Alternate location
○ Alternate host

Show advanced option

| Previous | Next | Cancel | Help |

Alternate Location

Host

```
10.16.6.81
```

```
10.16.6.82
```

User

Administrator@xch16dag.ahsay.com ▼

| Administrator@xch16dag.ahsay.com |
| backup@xch16dag.ahsay.com |
| user01@xch16dag.ahsay.com |
| user02@xch16dag.ahsay.com |
| user03@xch16dag.ahsay.com |

| Previous | Next | Cancel | Help |

- **Restore to Alternate Host** - You can also choose to restore mailbox item(s) to another mailbox in another Exchange server of the same version. Select the **Alternate host** option. Enter the host, username and password of the alternate Exchange server. If you will access the internet through proxy, check the box beside it and set the configuration for the proxy server

and click Save. If you would like to modify the Verify checksum of in-file delta files setting, click **Show advanced option**.

Choose Where The Mail Objects To Be Restor…

Restore mail objects to
○ Original location
○ Alternate location
◉ Alternate host

Host

10.16.6.81

Username

backup

Password

••••••

☐ Access the Internet through proxy

[Test]

Show advanced option

[Previous] [Next] [Cancel] [Help]

Proxy (HTTP)

IP address   Port

Login ID

Password

[Test connection]

[Save] [Cancel]

Select the desired mailbox destination then press Next proceed.

Alternate Location

Host

10.16.6.81

User

Administrator@xch16dag.ahsay.com

Administrator@xch16dag.ahsay.com
backup@xch16dag.ahsay.com
user01@xch16dag.ahsay.com
user02@xch16dag.ahsay.com
user03@xch16dag.ahsay.com

Previous   Next   Cancel   Help

Please refer to the Limitation part to check for the limitation of the restore process.

5.2.3.6. Select the temporary directory for storing temporary files, such as delta files when they are being merged, click Restore to start the restoration.
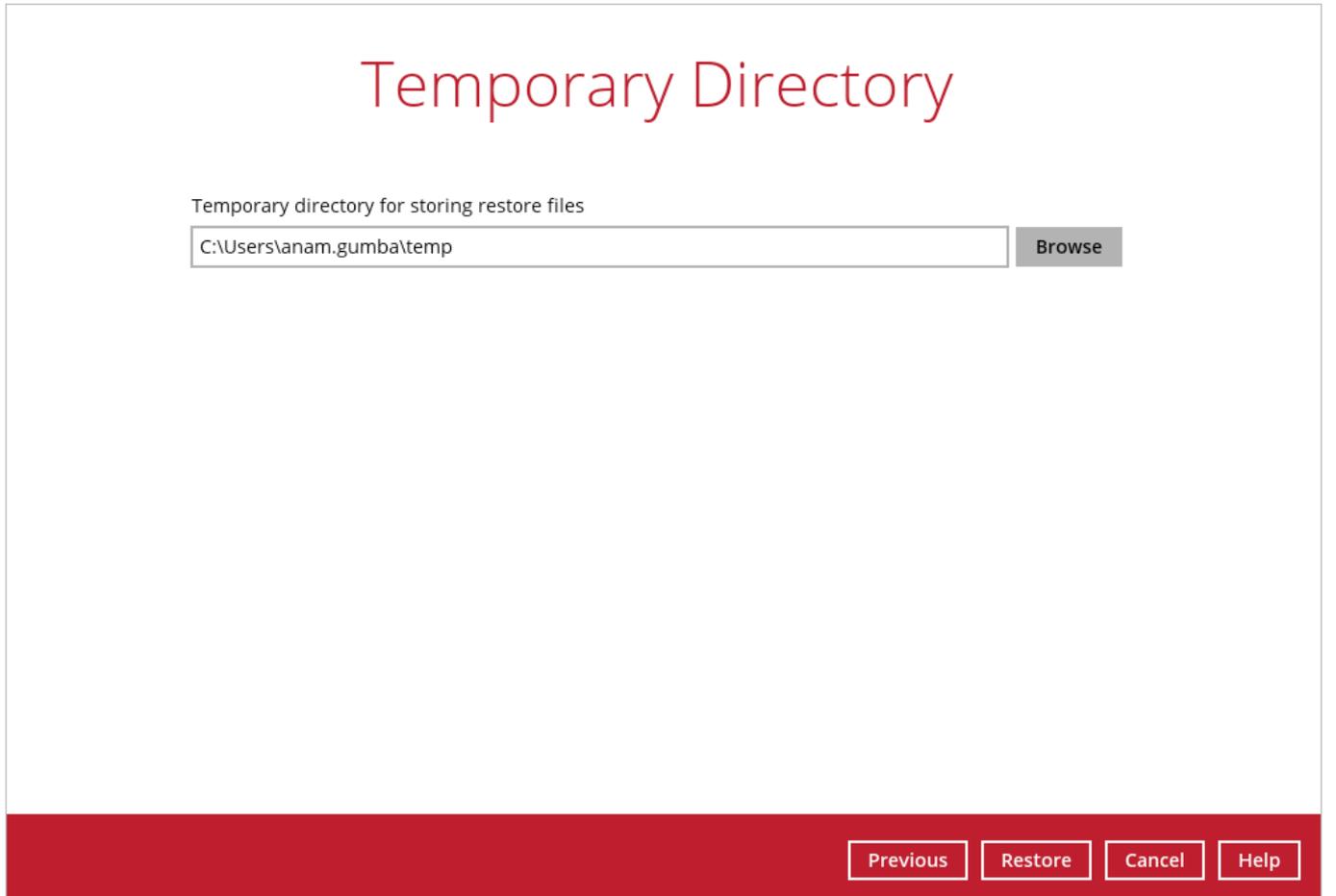
5.2.3.7. The following screen with the text Restore Completed Successfully shows when the restoration is completed.

Restore

MS Exchange 2016 Mail Level Remote Backup (DAG)

AhsayCBS (Host: 10.90.10.12:443)

✔ Restore Completed Successfully

Estimated time left	0 sec
Restored	0 (0 file)
Elapsed time	14 sec
Transfer rate	0bit/s

Close   Help