

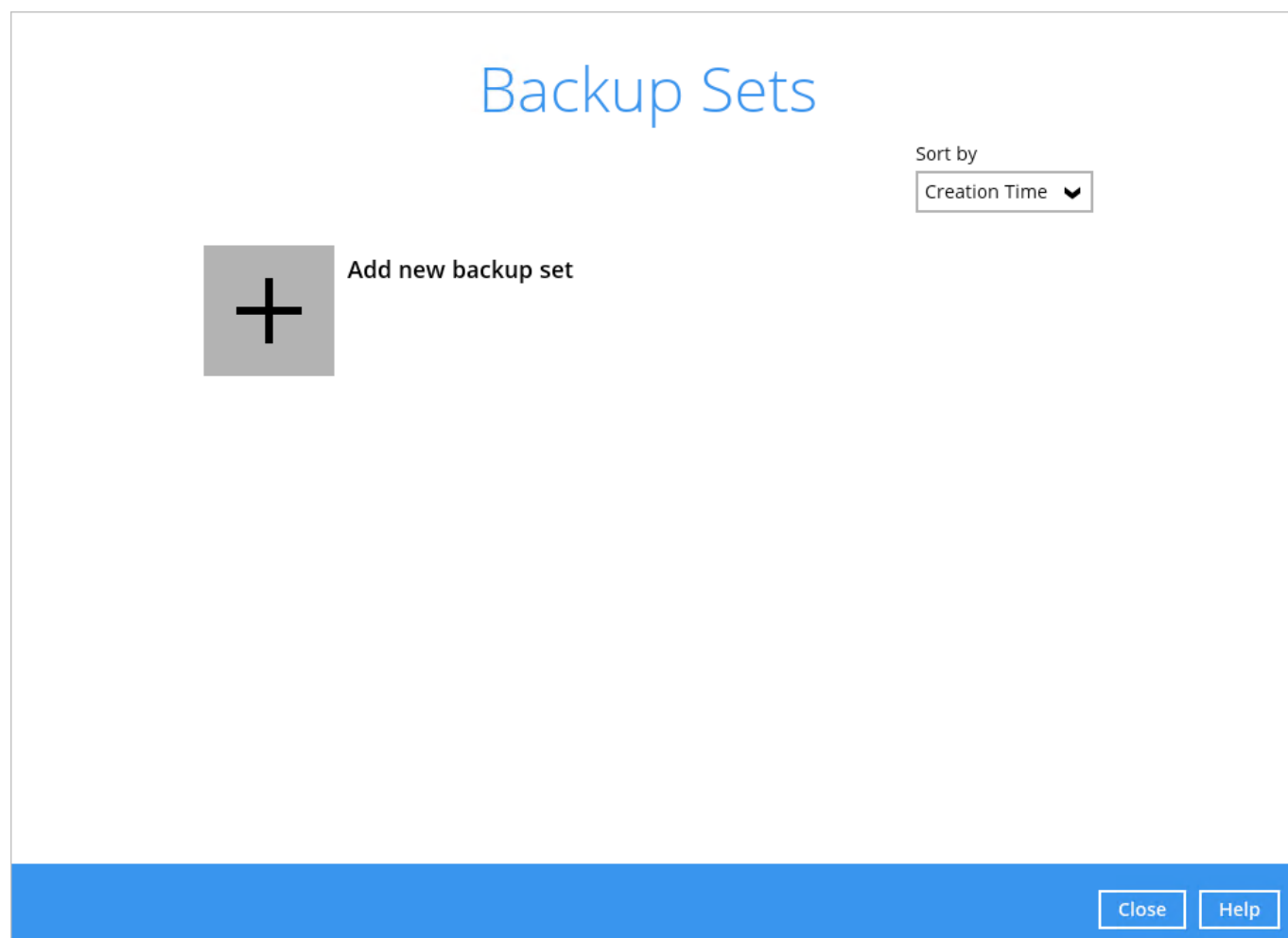
5.1 Mail-Level Backup and Restore for a Standalone Exchange Server thru a Remote Machine

5.1.1 Create Mail Level Backup Set

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



5.1.1.2. Create a new backup set by clicking the "+" icon next to Add new backup set.



5.1.1.3. Select the Backup set type as MS Exchange Mail Level Backup.

Create Backup Set

Name

Backup Set Name

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)

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Create Backup Set

Name

Backup set type

Version

Host

Username

Password

☐ Access the Internet through proxy

- 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)
- 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.

5.1.1.4. In the Backup Source menu, select the mailboxes or public folders for backup. You can click to expand the 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.

Backup Source

Folders	To	Subject	Sent	Size
10.90.6.81	<input checked="" type="checkbox"/> Administrator	Delivering Health Ca...	05/03/2019 10:34	4k
Mailboxes	<input checked="" type="checkbox"/> Administrator	How technology is c...	05/03/2019 09:10	6k
Administrator@xch16dag	<input checked="" type="checkbox"/> Administrator	Login to User Mailbox	04/03/2019 16:43	11k
backup@xch16dag	<input checked="" type="checkbox"/> Administrator	Create User Mailbox...	04/03/2019 16:39	10k
Inbox				
Drafts				
Sent Items				
Deleted Items				
Calendar				
Contacts				
Junk Email				
Notes				
Tasks				
user01@xch16dag				
user02@xch16dag				
user03@xch16dag				

☒ Show mails

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5.1.1.5. 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 ☐

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5.1.1.6. 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

^

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

New Storage Destination / Destination Pool

Name

AhsayCBS

Destination storage

G

AhsayCBS

OK

Cancel

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5.1.1.8. Click Next on the Destination menu page to proceed.

Destination

Backup mode

Sequential

Existing storage destinations

AhsayCBS

Host: 10.90.10.12:443

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5.1.1.9. 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.

Encryption

Encrypt Backup Data

On

Encryption Type

Default

Default

User password

Custom

5.1.1.10. 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.



For best practice on managing your encryption key, refer to the following KB article: [Best Practices for Managing Encryption Key on AhsayOBM or AhsayACB](#)

5.1.1.11. 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



5.1.1.12. 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.

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

Congratulations!

"MS Exchange 2016 Mail Level Remote Backup" is successfully c...

[Backup now](#)[Close](#)

5.1.1.14. 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

5.1.2 Run Mail Level Backup Job



Below is the steps of backup process.

5.1.2.1. Log in to AhsayOBM.

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



5.1.2.3. 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

Owner: DESKTOP-I7U6970

Newly created on Tuesday, 5 March 2019 15:51

Close

Help

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

Choose Your Backup Options



MS Exchange 2016 Mail Level Remote Backup

Backup set type
Microsoft Exchange Mailbox

[Show advanced option](#)

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Backup

Cancel

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5.1.2.4. Click Backup to start the backup.

Choose Your Backup Options




MS Exchange 2016 Mail Level Remote Backup

Backup set type
Microsoft Exchange Mailbox

In-File Delta type

- ☐ Full
☐ Differential
☒ Incremental

Destinations

☒  AhsayCBS (Host: 10.90.10.12:443)

Retention Policy

☐ Run Retention Policy after backup

[Hide advanced option](#)

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5.1.3 Restore Mail Level Backup



Below are the steps of the restore process.

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



5.1.3.2. 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**

Owner: DESKTOP-I7U6970

Last Backup: Tuesday, 5 March 2019 16:29

Close

Help

5.1.3.3. 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



AhsayCBS

Host: 10.90.10.12:443

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5.1.3.4. 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.

Select Your Mail Objects To Be Restored

Select what to restore

Choose from files as of job

05/03/2019

Latest

Show filter

Folders	To	Subject	Sent	Size
AhsayCBS	<input type="checkbox"/> Administrator	Create User Mailbox...	04/03/2019 16:39	10k
10.90.6.81	<input type="checkbox"/> Administrator	Login to User Mailbox	04/03/2019 16:43	11k
Mailboxes	<input type="checkbox"/> Administrator	How technology is c...	05/03/2019 09:10	6k
backup@xch16	<input type="checkbox"/> Administrator	Delivering Health Ca...	05/03/2019 10:34	4k
Calendar				
Drafts				

Search

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- 5.1.3.5. 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 want to modify the Verify checksum of in-file delta files setting, click the Show advanced option. 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](#)

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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](#)

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- **Restore to Alternate Location** - 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.

Choose Where The Mail Objects To Be Restor...

Restore mail objects to

- ☐ Original location
☒ Alternate location
☐ Alternate host

[Show advanced option](#)

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Select the desired mailbox destination, then press Next to proceed.

Alternate Location

Host

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

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- **Restore to Alternate Host** - You can choose to restore mailbox item(s) to another mailbox in a different Exchange server. Select the Alternate host option and enter the host, username and password. 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

10.90.6.81

Username

backup

Password

•••••

☐ Access the Internet through proxy

Test

Show advanced option

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Proxy (HTTP)

IP address

Port

Login ID

Password

•••••

Test connection

Save

Cancel

Select the desired mailbox destination, then press Next to proceed.

Alternate Location

Host

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

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Please refer to the [Limitation](#) part to check the limitation of restore process.


5.1.3.6. Select the temporary directory for storing temporary files, such as delta files when they are being merged, click Restore to start the restoration.


Temporary Directory

Temporary directory for storing restore files

5.1.3.7. The following screen with the text Restore Completed Successfully shows when the restoration is completed.

Restore

MS Exchange 2016 Mail Level Remote Backup

AhsayCBS (Host: 10.90.10.12:443)


✓ Restore Completed Successfully

Estimated time left0 sec

Restored0 (0 file)

Elapsed time15 sec

Transfer rate0bit/s



Close

Help

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