

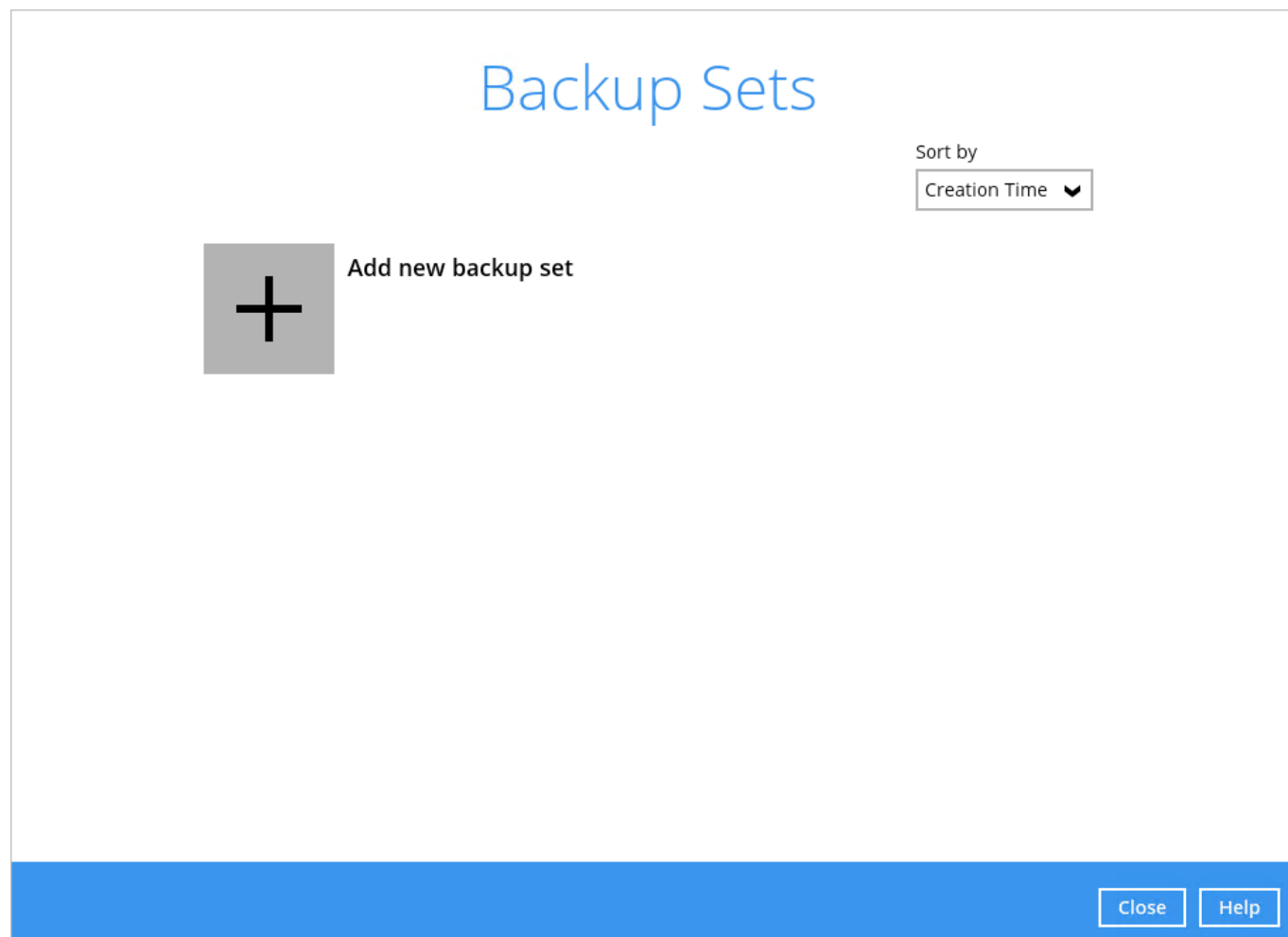
4.1 Mail-Level Backup and Restore On Standalone Exchange Server

4.1.1 Create Mail Level Backup Set

4.1.1.1 [Login](#) to your AhsayOBM. Then, click the Backup Sets icon on the main interface of AhsayOBM.



4.1.1.2. Create a new backup set by clicking the “+” icon next to Add new backup set.



4.1.1.3. Select the Backup set type as **MS Exchange Mail Level Backup**. The system will automatically detect and select the Exchange Server version, make sure the version selected is correct.


- Name your new backup set.

- As AhsayOBM is installed directly on the MS Exchange server. The correct MS Exchange version will be automatically selected.

Create 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) ▼

Next Cancel Help

- Enter the hostname of Exchange server, the username and password of the Windows user account used for backup.

Create Backup Set

Name

Backup set type

Version

Host

Username

Password

☐ Access the Internet through proxy

- Check the “Access the Internet through proxy” if required.
- Click the Test button to verify the login details.

4.1.1.4. 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
10.16.6.81	<input checked="" type="checkbox"/> Administrator	Delivering Health Ca...	03/05/2019 10:34	4k
Mailboxes	<input checked="" type="checkbox"/> Administrator	How technology is c...	03/05/2019 09:10	6k
Administrator@xch16dag	<input checked="" type="checkbox"/> Administrator	Login to User Mailbox	03/04/2019 16:43	11k
backup@xch16dag	<input checked="" type="checkbox"/> Administrator	Create User Mailbox...	03/04/2019 16:39	10k
Inbox				
Drafts				
Sent Items				
Deleted Items				
Calendar				
Contacts				
Junk Email				
Notes				
Tasks				
user01@xch16dag				
user02@xch16dag				
user03@xch16dag				

☒ Show mails
 Items per page 50
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[Cancel](#)
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4.1.1.5. 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 ☐

Previous Next Cancel Help

4.1.1.6. 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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4.1.1.7. Select the destination storage, then click OK to proceed.

New Storage Destination / Destination Pool

Name

AhsayCBS

Destination storage

 AhsayCBS

▼

OK

Cancel

Help

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


Destination

Backup mode

Sequential

▼

Existing storage destinations

 AhsayCBS

Host: 10.90.10.12:443

Add

▲

▼

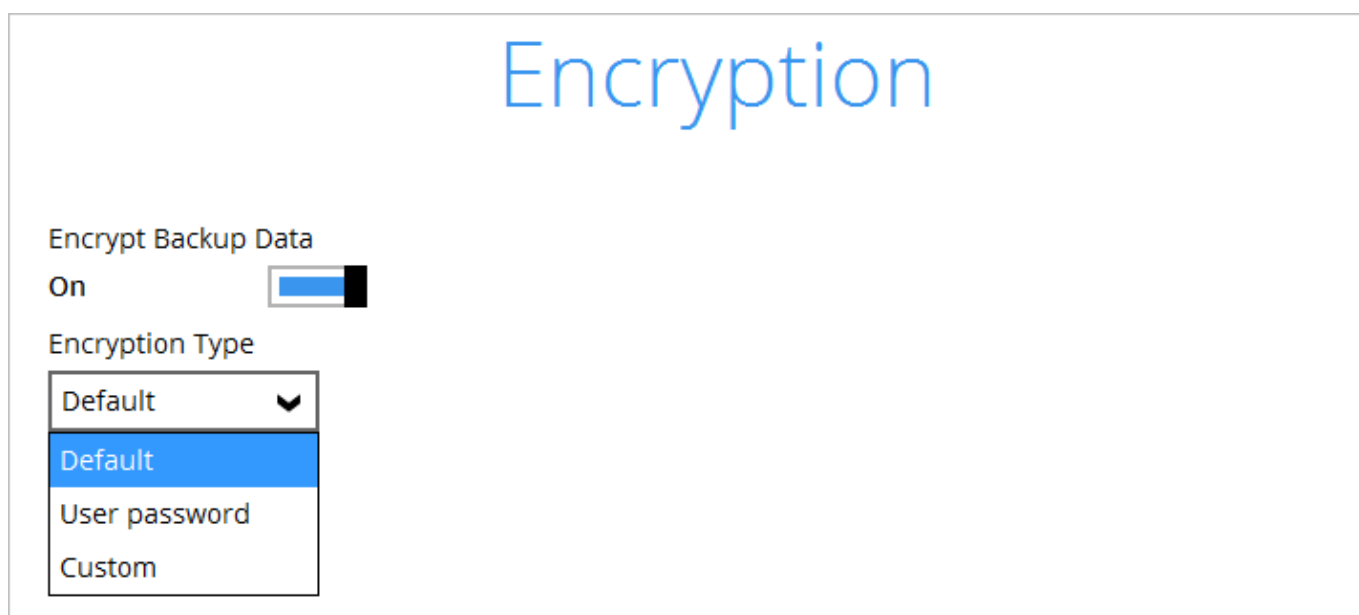
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4.1.1.9. In the Encryption window, the default Encrypt Backup Data option is enabled with an encryption key preset by the system which provides the most secure protection.



The screenshot shows a window titled "Encryption" in blue text. Below the title, there is a section "Encrypt Backup Data" with a toggle switch labeled "On". Below this, there is a section "Encryption Type" with a dropdown menu. The dropdown menu is open, showing four options: "Default" (highlighted in blue), "User password", "Custom", and "Default".

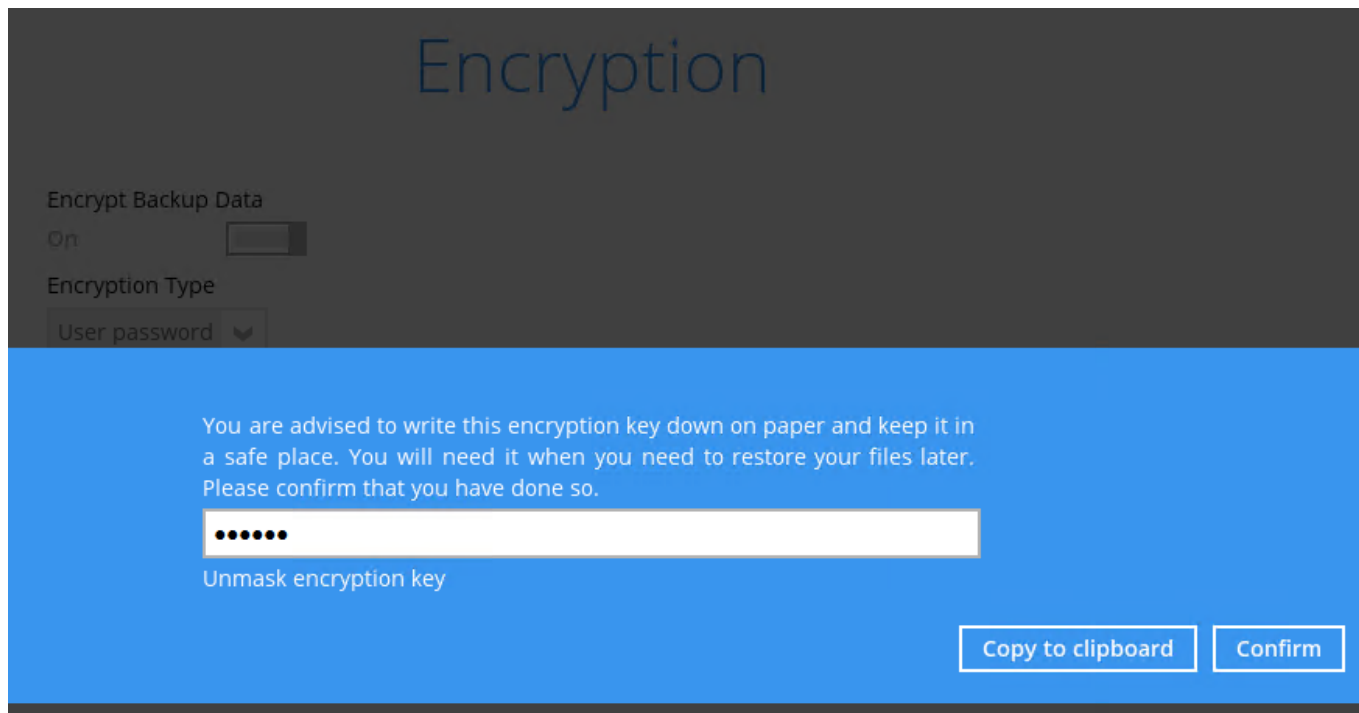
4.1.1.10. You can choose from one of the following three Encryption Type options:

- **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](#)

4.1.1.11. 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.



Encryption

Encrypt Backup Data
On

Encryption Type
User password


You are advised to write this encryption key down on paper and keep it in a safe place. You will need it when you need to restore your files later. Please confirm that you have done so.

.....

Unmask encryption key

Copy to clipboard Confirm

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

4.1.1.12. 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.

4.1.1.13. The following screen shows when the new backup set is created successfully. Automatic backup will start running at the scheduled start time.

Congratulations!

"Backup Set Name" is successfully created.

Backup now

Close

4.1.1.14. 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.

4.1.2 Run Mail-Level Backup Job Manually



Below are the steps of the backup process.

4.1.2.1. Log in to AhsayOBM.


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



4.1.2.3. 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 Backup
Owner: XCH2016Mbx01
Newly created on Tuesday, March 05, 2019 11:11

Close Help

4.1.2.4. 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 Backup

Backup set type
Microsoft Exchange Mailbox

[Show advanced option](#)

Previous

Backup

Cancel

Help

4.1.2.5. Click Backup to start the backup.

Choose Your Backup Options




MS Exchange 2016 Mail Level 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](#)

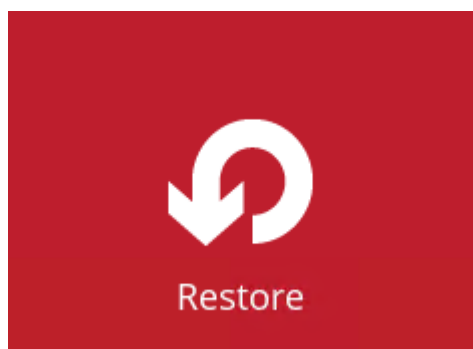
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4.1.3 Restore Mail Level Backup



Below are the steps of the restore process.

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



4.1.3.2. 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 Backup

Owner: XCH2016Mbx01

Last Backup: Tuesday, March 05, 2019 11:41

Close

Help

4.1.3.3. 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 Backup



AhsayCBS

Host: 10.90.10.12:443

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4.1.3.4. 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 03/05/2019 Latest

Show filter

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

Search

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4.1.3.5. 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 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](#)

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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](#)

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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 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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Click Yes then select the desired mailbox destination. Press Next to proceed.



In alternate restoration, all your selected items from multiple mailbox accounts will be restored to a single mailbox account. Do you want to continue?

Yes

No

- **Restore to Alternate Host** - You can also choose to restore mailbox item(s) to a different Exchange server of the same version. Select the Alternate host option. Enter the hostname, 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

Username

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

Click Yes then select the desired mailbox destination. 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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Cancel

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

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

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

From:
<https://wiki.ahsay.com/> - Ahsay Wiki

Permanent link:
https://wiki.ahsay.com/doku.php?id=public:documents_and_guides:v8:obm:exchange-mail-level-backup-ews:backup-restore-on-exchange-server-standalone&rev=1588145160

Last update: 2020/04/29 15:26

