



CONTACTSYNC® v8.3

Upgrade Instructions

NETsec

28. September 2023

contactSync version 8.3.....	3
Download	3
Upgrade Instructions.....	4
For updates from contactSync version 8.x to contactSync version 8.x	4
For updates from contactSync version 7.x to contactSync version 8.x	5
Where is the common application data folder?	6
Incompatibility	7
contactSync version 8.3 compared with contactSync 8.2.x	7
Public Folder tab of the public folder policy for on-premises Exchange.	7
Public Folder tab of the public folder policy for Exchange Online.	10
contactSync version 8.2 compared with contactSync 8.1.x	13
Install ExchangeOnlineManagement PowerShell module	13
Update ExchangeOnlineManagement PowerShell module	13
Old design of version 8.1	14
New design of version 8.2	15
contactSync version 8.1 compared with contactSync 8.0.x	19
Remote PowerShell in Exchange Online is needed - Re-enabling or Extending RPS support	20
contactSync version 8.0 compared with contactSync 7.6.x	24
Migrate an existing policy	27
contactSync version 7.6 compared with contactSync 7.5.x	29
contactSync version 7.5 compared with contactSync 7.4.x	32
contactSync version 7.4 compared with contactSync 7.3.x	34
contactSync version 7.3 compared with contactSync 7.2.x	35
contactSync version 7.2 compared with contactSync 7.2.9	37
contactSync version 7.2 compared with contactSync 7.1.x	38
Downgrading	41
Licensing	41

contactSync version 8.3

As of version 8.3, contactSync can now also synchronize contacts from a Shared Mailbox into users' mailboxes located in the same Exchange environment.

It also uses the REST-based Exchange Online PowerShell v3 module to communicate with Exchange Online.

contactSync requires **.NET Framework 4.7.1**, **Windows PowerShell 5.1** and the **ExchangeOnlineManagement PowerShell module version 3.1 or later** for **Exchange Online PowerShell V3**.

As of contactSync version 8.1, the certificate-based authentication method to establish a connection to Exchange Online is available in the Environment Configuration. Exchange Online connections using the certificate-based authentication method, Azure AD App Permissions of a registered application are used for access.

contactSync also synchronize contacts from a modern Public Folder into users' mailboxes located in the same Exchange environment.

contactSync also synchronize the Global Address List (GAL) into users' mailboxes located in the same environment.

As of contactSync version 8.0, the **Environment Configuration** describes the Exchange environment and its settings by which contactSync connects to Exchange, which eliminates the requirement to configure authentication separately for each policy. Instead, contactSync now uses the credentials assigned to each configured environment.

Download

Download the most recent version from our website:

<https://www.netsec.de/en/products/contactsync/download.html>

** Microsoft stopped supporting Exchange 2013 on the 11th April 2023.*

As much as we would like to keep up compatibility for all versions, we cannot support an environment, which is no longer supported by the manufacturer.

Upgrade Instructions

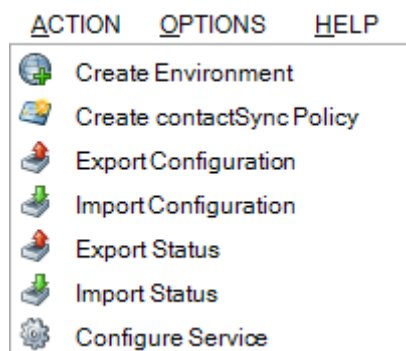
For updates from contactSync version 8.x to contactSync version 8.x

To install a new contactSync version, perform a backup of your contactSync data and install the new version.

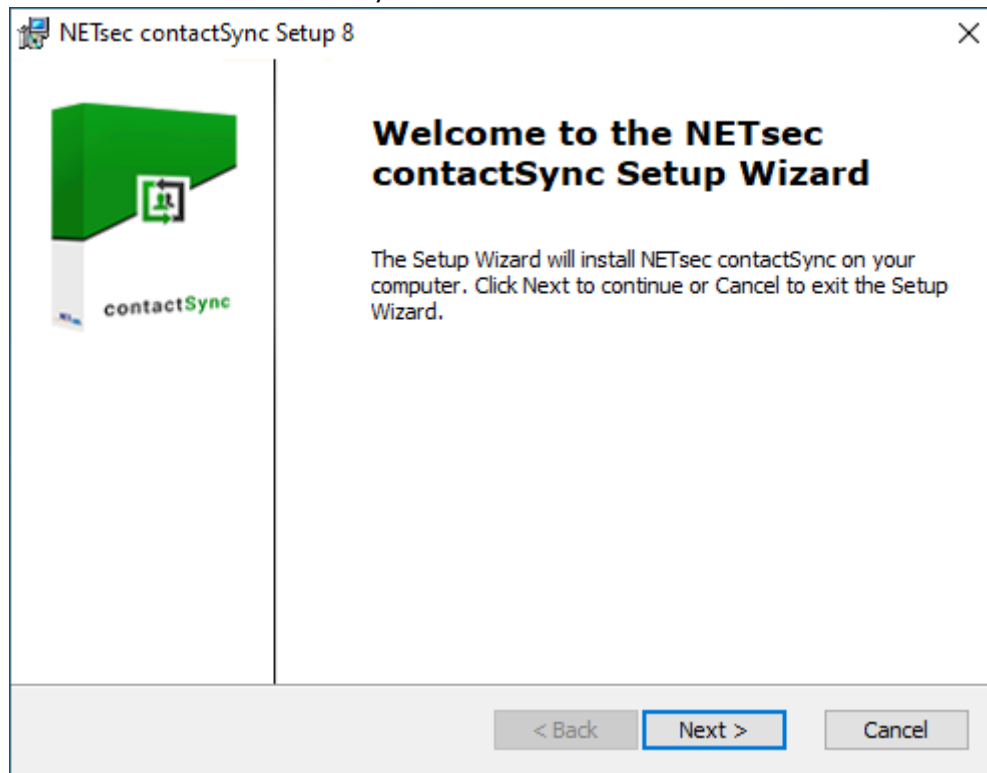
1. Backup (or copy) your contactSync program folder and the **common application data** folder.

Select **Action** -> **Export Configuration** to zip your Environment Configuration and Policy configuration.

Select **Action** -> **Export Status** to zip your log files.



2. Install the new contactSync version.



Important: Depending on the version gap, it may be necessary to reconfigure some options in your policies.

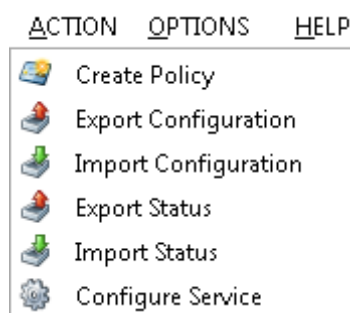
For updates from contactSync version 7.x to contactSync version 8.x

To install a new contactSync version, perform a backup of your contactSync data and install the new version.

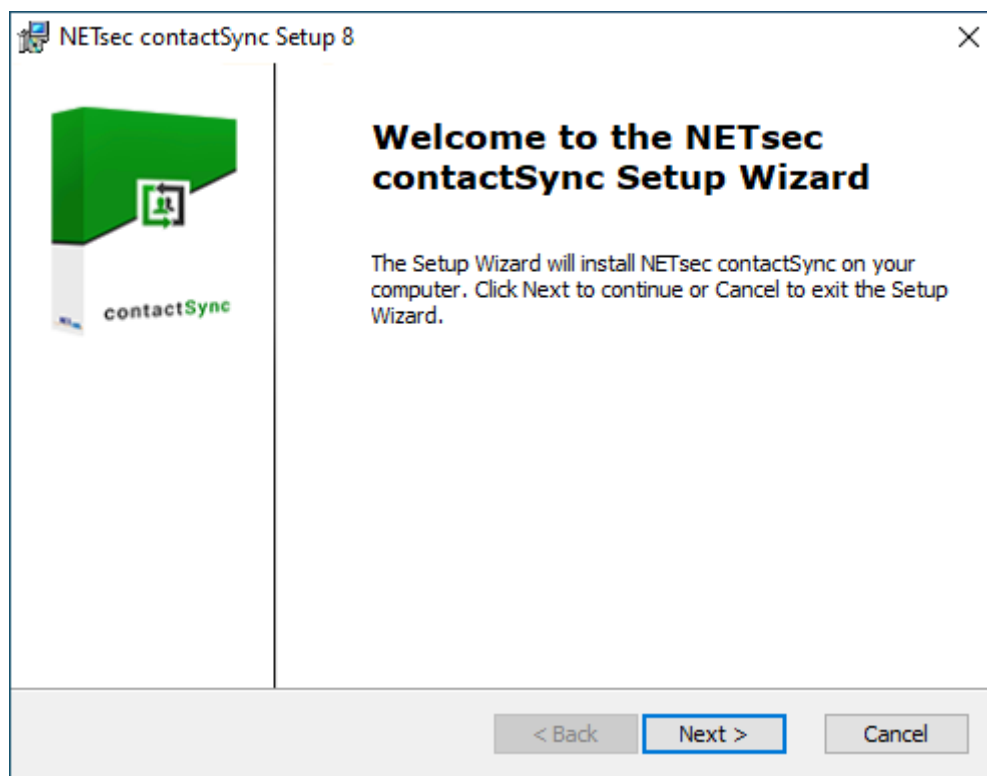
1. Backup (or copy) your contactSync program folder and the **common application data** folder.

Select **Action** -> **Export Configuration** to zip your Policy configuration.

Select **Action** -> **Export Status** to zip your log files.



2. Install the new contactSync version.



As of contactSync version 8, an **Environment Configuration** is necessary and must be configured. After that, existing policies can be migrated and new policies can be created and configured. Please see the **Incompatibility** chapter.

Important: Depending on the version gap, it may be necessary to reconfigure some options in your policies.

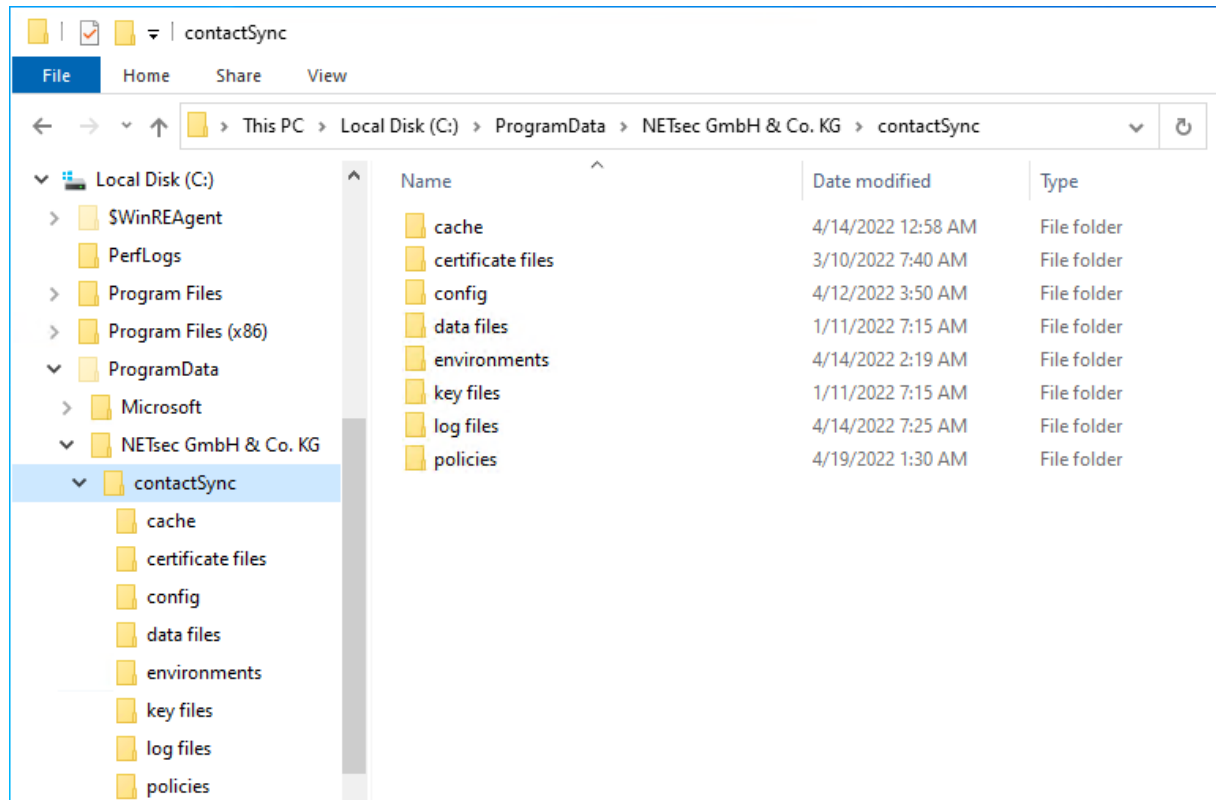
Where is the common application data folder?

The common application data folder can be retrieved in the Windows Explorer with the command

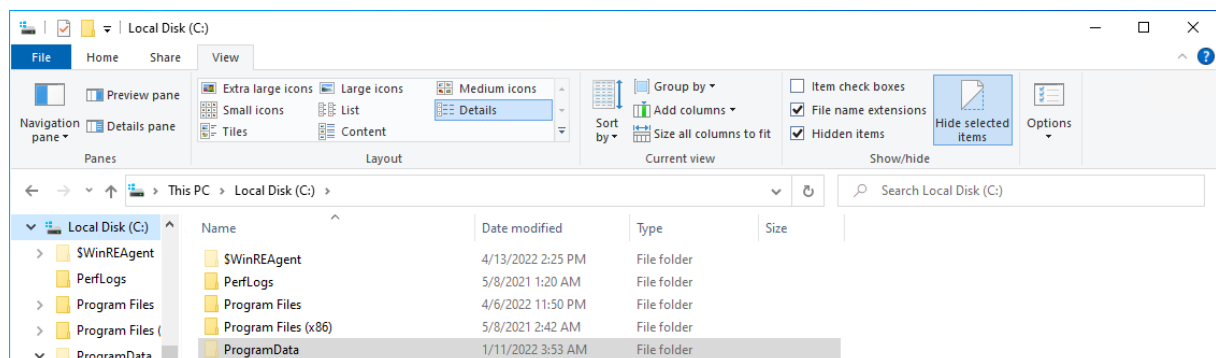
```
%ProgramData%\NETsec GmbH & Co. KG\contactSync
```

or

```
%systemdrive%\ProgramData\NETsec GmbH & Co. KG\contactSync
```



Note: The folder **ProgramData** is usually hidden. You may activate the option **Hidden items** of the File Explorer.



Incompatibility

contactSync version 8.3 compared with contactSync 8.2.x

1. As of version 8.3, contactSync does not use Autodiscover to detect the Exchange Web Services URL for Exchange Online anymore, instead it uses the default Exchange Web Services URL for Exchange Online world-wide:

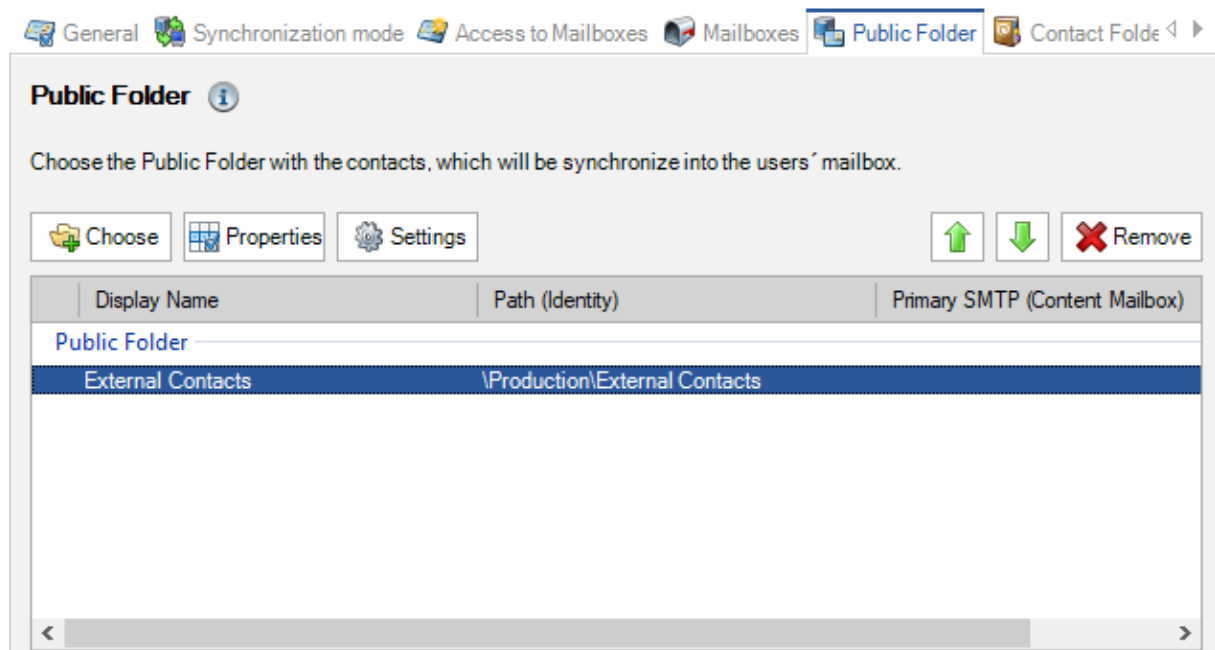
<https://outlook.office365.com/EWS/Exchange.asmx>

Otherwise please use the manual setting for the Exchange Web Services URL for Exchange Online.

2. As of version 8.3, contactSync does not support Exchange 2010 any longer.

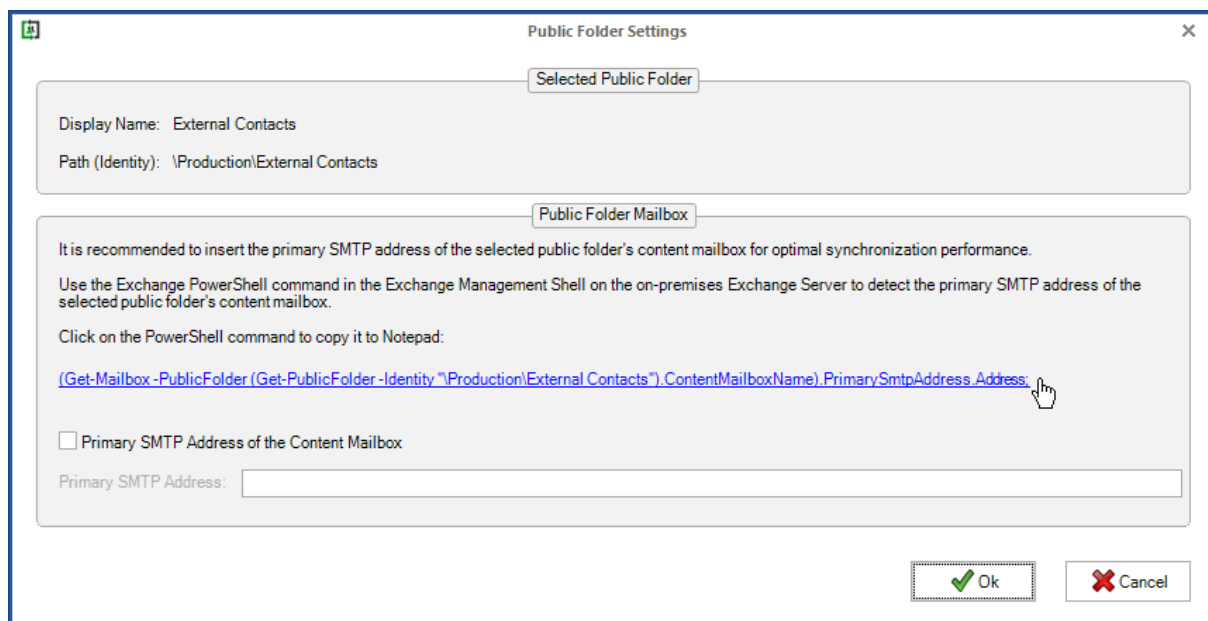
3. A policy to synchronize Public Folder contacts into mailboxes has an additional Public Folder Setting to insert the primary SMTP address of the content mailbox of the selected public folder, to gain optimal synchronization performance.

Public Folder tab of the public folder policy for on-premises Exchange.

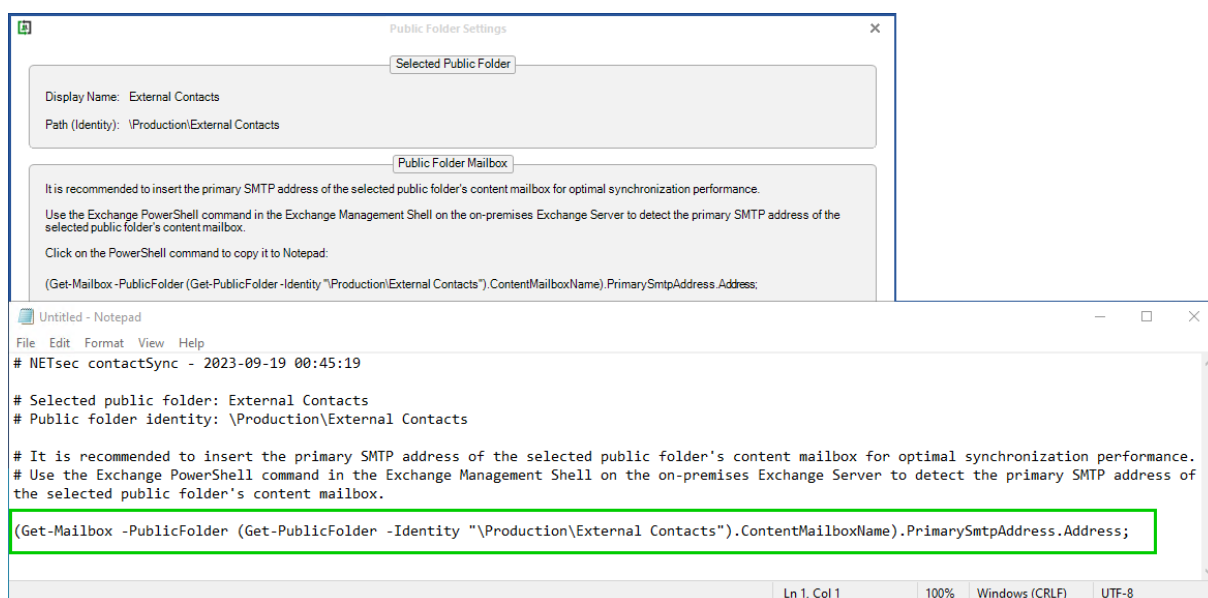


Double-click on the public folder entry to open the **Public Folder Settings** dialog.

*Please do not confuse the **Public Folder Settings** dialog with the **contactSync Settings** dialog, which opens by clicking on the **Settings** button.*



Click on the generated PowerShell command to copy it to Notepad.



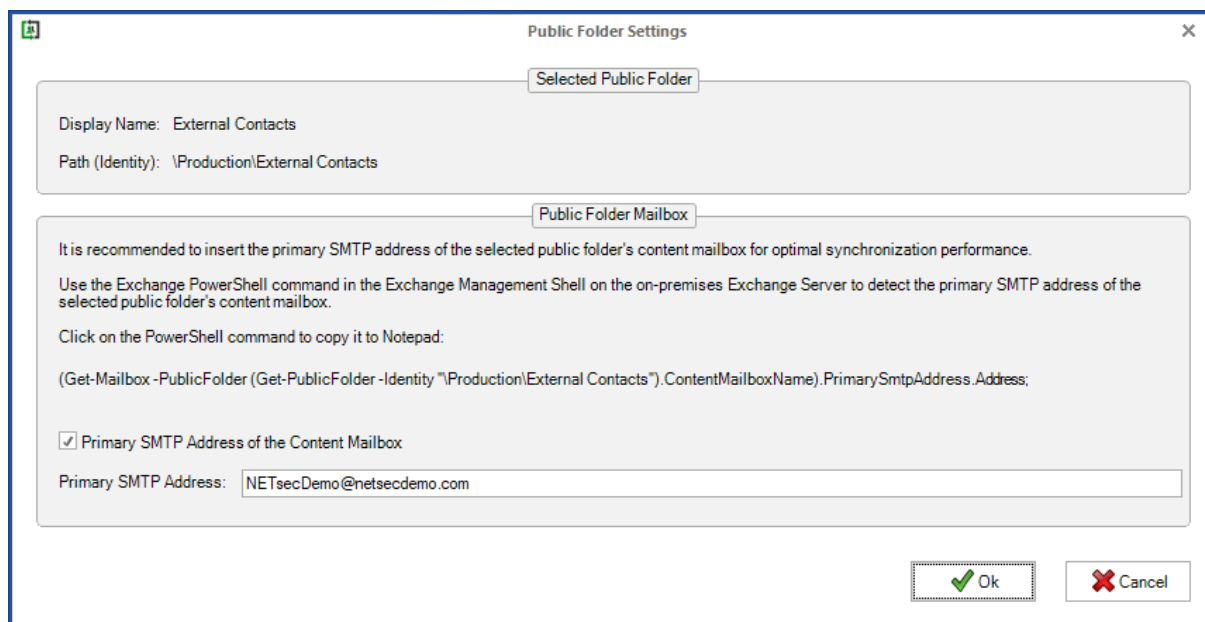
Run the PowerShell command in the **Exchange Management Shell** on the on-premises Exchange Server to retrieve the primary SMTP address of the selected public folder's content mailbox.



The result should be the primary SMTP address of the Public Folder mailbox.

Copy the primary SMTP address to insert it in the **Public Folder Settings** dialog.

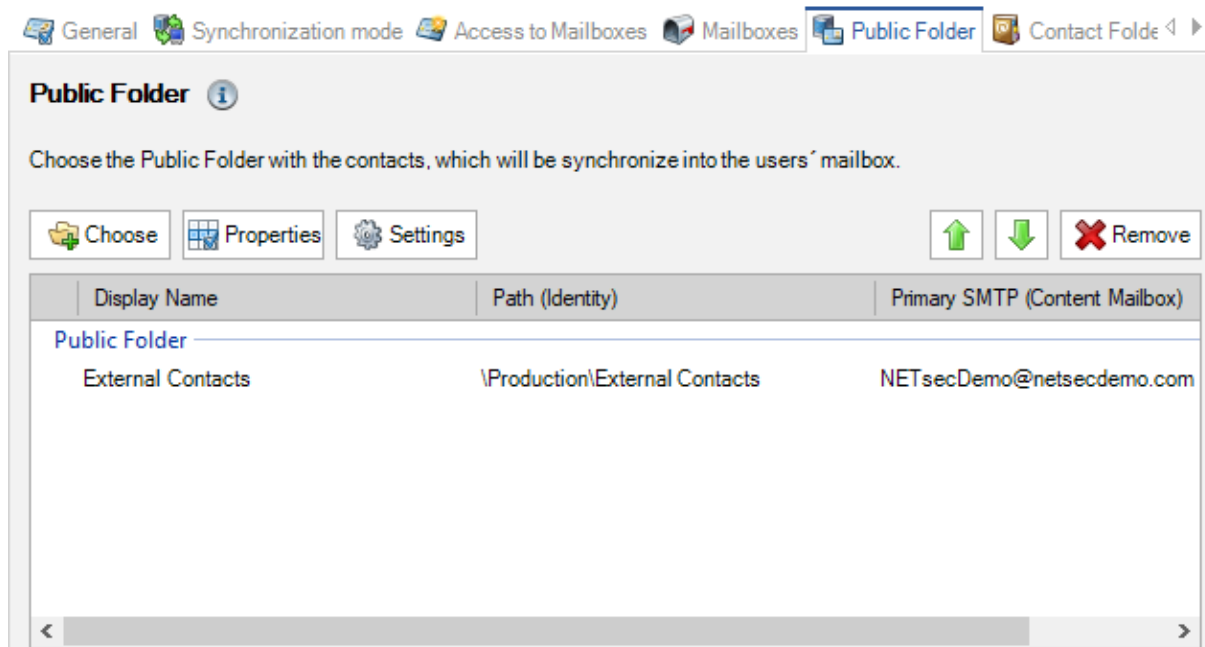
Enable the option **Primary SMTP Address of the content mailbox** and insert the detected primary SMTP address of the selected public folder's content mailbox.



The **Public Folder Settings** dialog box is shown. It has two tabs: **Selected Public Folder** and **Public Folder Mailbox**. The **Selected Public Folder** tab is active, showing the **Display Name** as "External Contacts" and the **Path (Identity)** as "\\Production\\External Contacts". The **Public Folder Mailbox** tab is also visible, containing instructions on how to find the primary SMTP address using PowerShell. Below the instructions, the checkbox **Primary SMTP Address of the Content Mailbox** is checked. The **Primary SMTP Address** field contains the text "NETsecDemo@netsecdemo.com". At the bottom right, there are **Ok** and **Cancel** buttons.

Next click **Ok**.

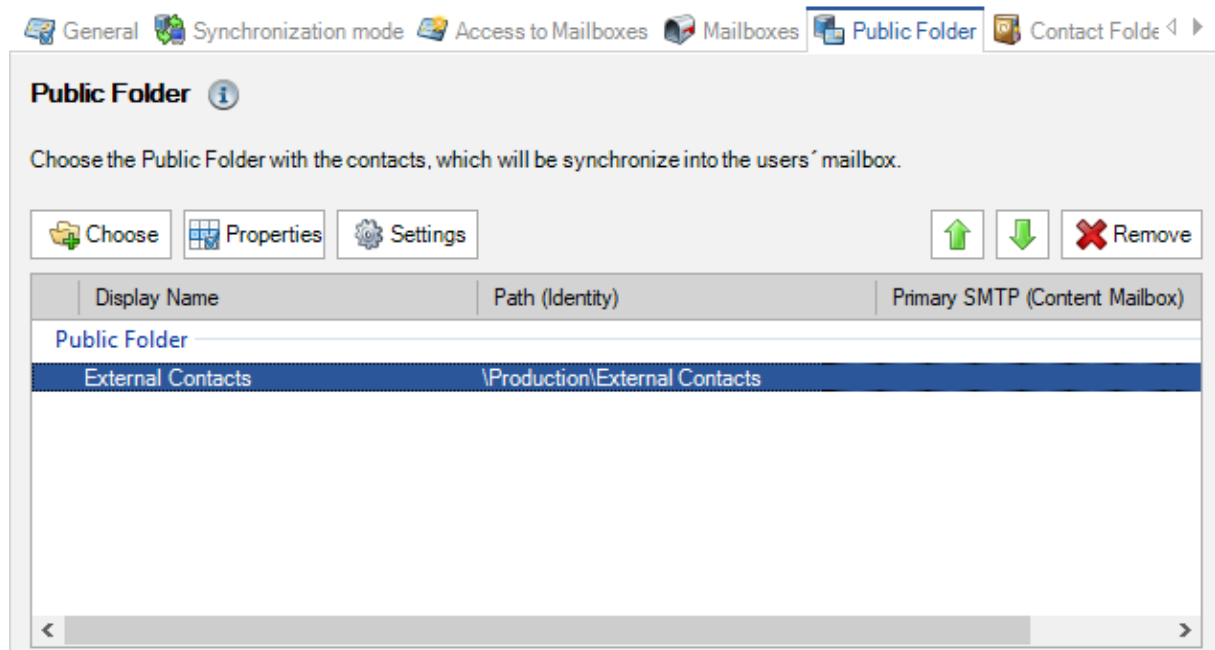
Verify the selected public folder is displayed.



The **Public Folder** selection window is shown. It has a tabbed interface with **General**, **Synchronization mode**, **Access to Mailboxes**, **Mailboxes**, **Public Folder**, and **Contact Folders**. The **Public Folder** tab is active. Below the tabs, there is a message: "Choose the Public Folder with the contacts, which will be synchronize into the users' mailbox." Below this message are three buttons: **Choose**, **Properties**, and **Settings**. To the right of these buttons are three more buttons: **Up** (green arrow), **Down** (green arrow), and **Remove** (red X). Below these buttons is a table with three columns: **Display Name**, **Path (Identity)**, and **Primary SMTP (Content Mailbox)**. The table contains one row with the following data:

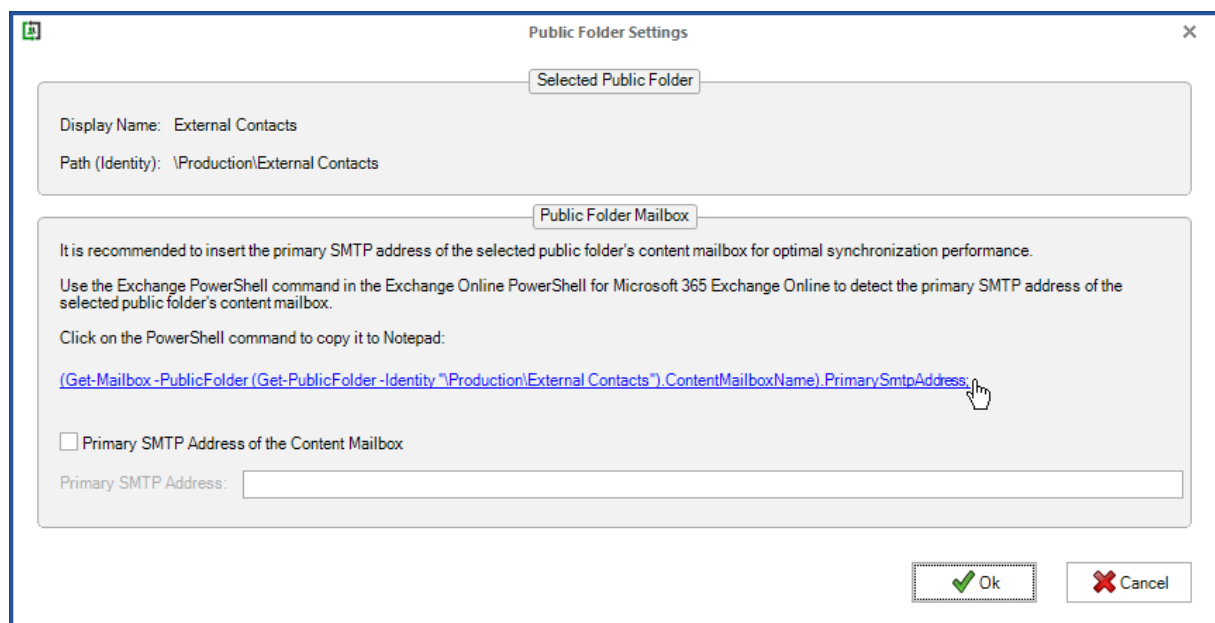
Display Name	Path (Identity)	Primary SMTP (Content Mailbox)
External Contacts	\\Production\\External Contacts	NETsecDemo@netsecdemo.com

Public Folder tab of the public folder policy for Exchange Online.

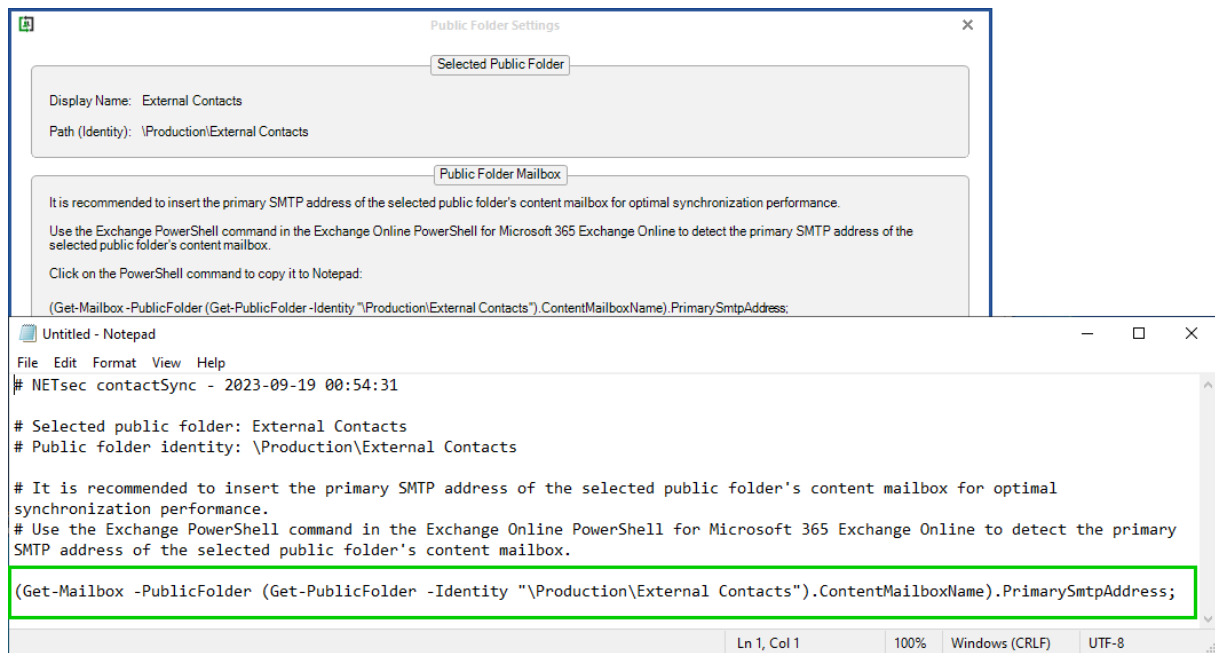


Double-click on the public folder entry to open the **Public Folder Settings** dialog.

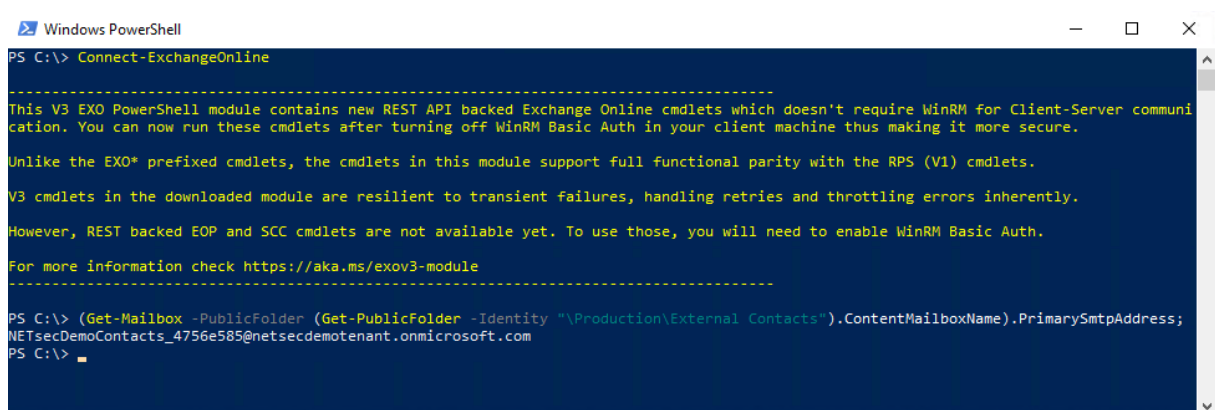
*Please do not confuse the **Public Folder Settings** dialog with the **contactSync Settings** dialog, which opens by clicking on the **Settings** button.*



Click on the generated PowerShell command to copy it to Notepad.



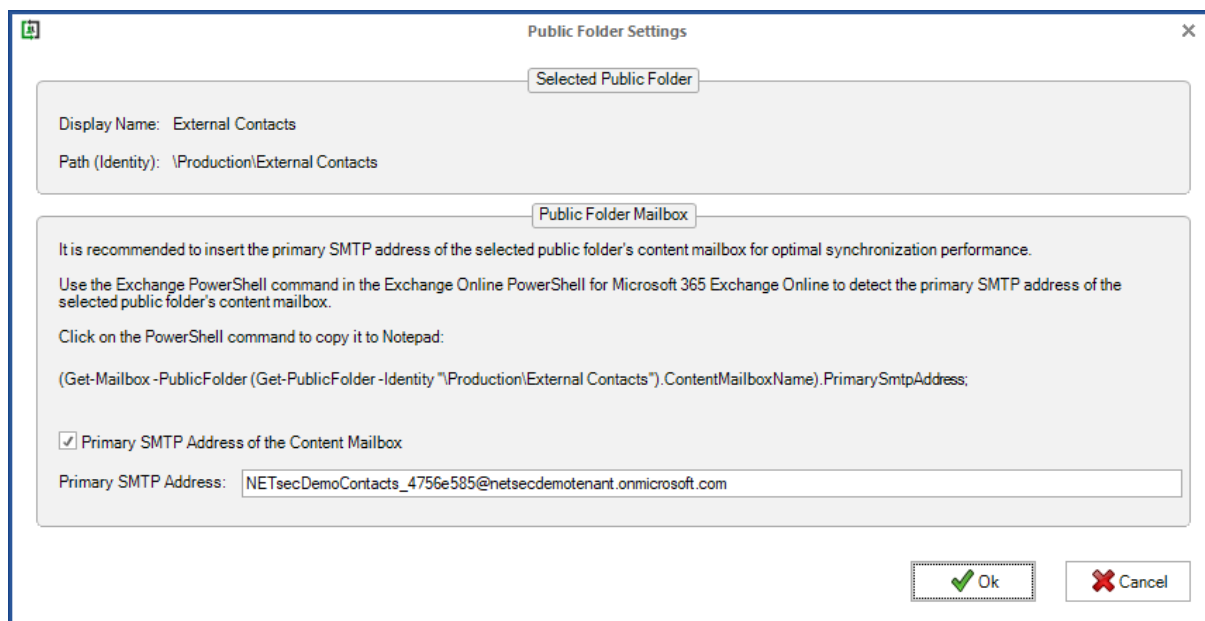
Run the PowerShell command in the **Exchange Online PowerShell** for the **Microsoft 365 Exchange Online** to retrieve the primary SMTP address of the selected public folder's content mailbox.



The result should be the primary SMTP address of the Public Folder mailbox.

Copy the primary SMTP address to insert it in the **Public Folder Settings** dialog.

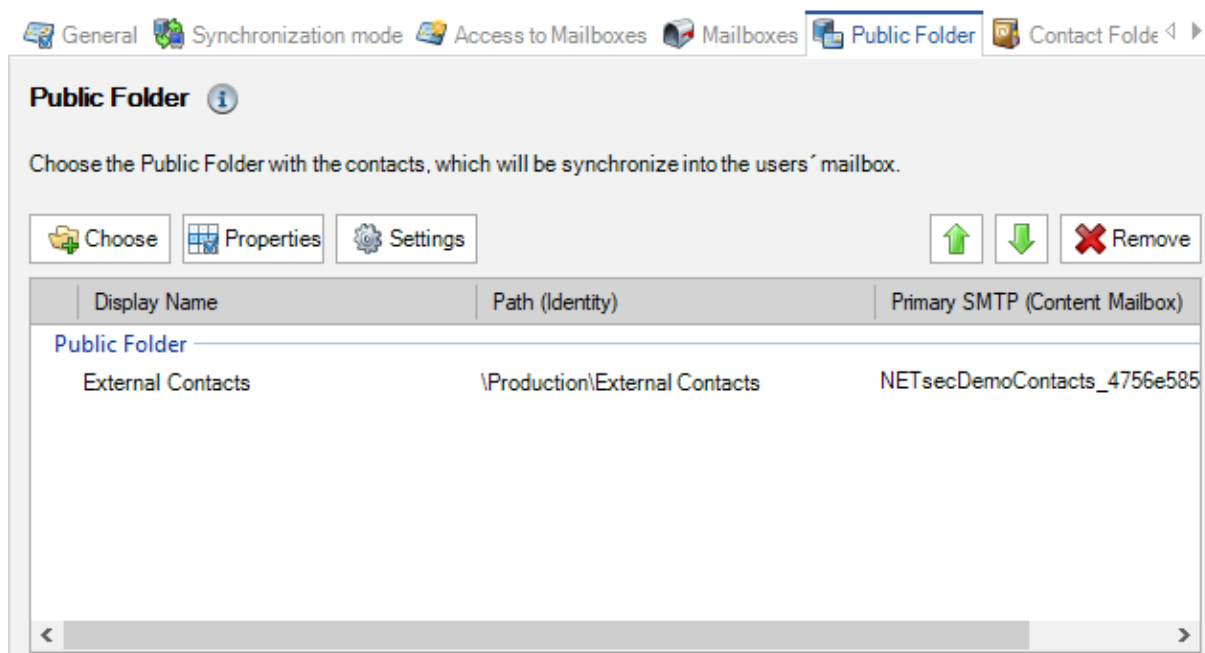
Enable the option **Primary SMTP Address of the content mailbox** and insert the detected primary SMTP address of the selected public folder's content mailbox.



The image shows the 'Public Folder Settings' dialog box. It has two tabs: 'Selected Public Folder' and 'Public Folder Mailbox'. The 'Selected Public Folder' tab is active, showing 'Display Name: External Contacts' and 'Path (Identity): \Production\External Contacts'. The 'Public Folder Mailbox' tab is also visible, containing instructions on how to find the primary SMTP address using PowerShell. Below the instructions, there is a checkbox labeled 'Primary SMTP Address of the Content Mailbox' which is checked. Below the checkbox, there is a text field labeled 'Primary SMTP Address:' containing the value 'NETsecDemoContacts_4756e585@netsecdemotenant.onmicrosoft.com'. At the bottom right, there are 'Ok' and 'Cancel' buttons.

Next click **Ok**.

Verify the selected public folder is displayed.



The image shows the 'Public Folder' selection window. It has a tabbed interface with 'General', 'Synchronization mode', 'Access to Mailboxes', 'Mailboxes', 'Public Folder', and 'Contact Folders'. The 'Public Folder' tab is active. Below the tabs, there is a message: 'Choose the Public Folder with the contacts, which will be synchronize into the users' mailbox.' Below this message, there are three buttons: 'Choose', 'Properties', and 'Settings'. To the right of these buttons are three more buttons: an up arrow, a down arrow, and a 'Remove' button. Below these buttons is a table with three columns: 'Display Name', 'Path (Identity)', and 'Primary SMTP (Content Mailbox)'. The table contains one row with the following data: 'External Contacts', '\Production\External Contacts', and 'NETsecDemoContacts_4756e585'. At the bottom of the window, there is a scrollbar.

Display Name	Path (Identity)	Primary SMTP (Content Mailbox)
External Contacts	\Production\External Contacts	NETsecDemoContacts_4756e585

contactSync version 8.2 compared with contactSync 8.1.x

1. As of version 8.2, contactSync requires **Windows PowerShell 5.1** and **ExchangeOnlineManagement PowerShell module version 3.1** or later for **Exchange Online PowerShell V3**.

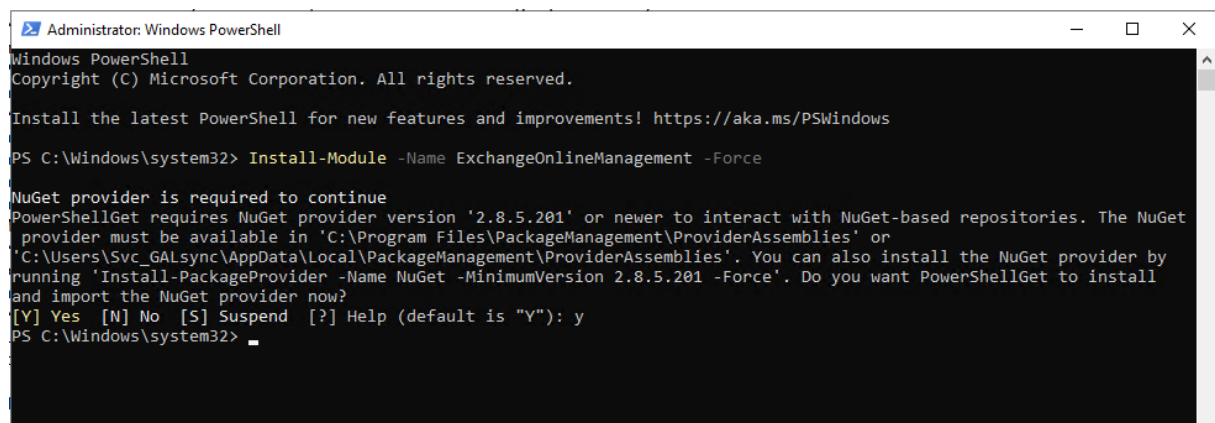
The **ExchangeOnlineManagement PowerShell module** needs to be installed or updated on the contactSync Server, so contactSync can directly communicate with an Office 365 Exchange Online tenant.

Install ExchangeOnlineManagement PowerShell module

On the contactSync Server, open **Windows PowerShell** as **Administrator**, then run the following to install:

```
Install-Module -Name ExchangeOnlineManagement -Force
```

When prompted, enter **Y** for Yes then Return



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Windows\system32> Install-Module -Name ExchangeOnlineManagement -Force

NuGet provider is required to continue
PowerShellGet requires NuGet provider version '2.8.5.201' or newer to interact with NuGet-based repositories. The NuGet
provider must be available in 'C:\Program Files\PackageManagement\ProviderAssemblies' or
'C:\Users\Svc_GALsync\AppData\Local\PackageManagement\ProviderAssemblies'. You can also install the NuGet provider by
running 'Install-PackageProvider -Name NuGet -MinimumVersion 2.8.5.201 -Force'. Do you want PowerShellGet to install
and import the NuGet provider now?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): y
PS C:\Windows\system32>
```

Please have look at the **Prerequisites for the Exchange Online PowerShell module** chapter of the **Microsoft Docs: About the Exchange Online PowerShell module**

<https://learn.microsoft.com/en-us/powershell/exchange/exchange-online-powershell-v2?view=exchange-ps#install-the-exchange-online-powershell-module>

Update ExchangeOnlineManagement PowerShell module

On the contactSync Server, open **Windows PowerShell** as **Administrator**, then run the following to update:

```
Update-Module -Name ExchangeOnlineManagement -Force
```

Please have look at the **Prerequisites for the Exchange Online PowerShell module** chapter of the **Microsoft Docs: About the Exchange Online PowerShell module**

<https://learn.microsoft.com/en-us/powershell/exchange/exchange-online-powershell-v2?view=exchange-ps#update-the-exchange-online-powershell-module>

2. As of version 8.2, the **Modify or delete existing contacts with source domain** option in the **contactSync Settings** is redesigned.

Old design of version 8.1

contactSync Settings

General Object Filter

☐ Maximum errors to transfer data file. ⓘ 1

☐ Minimum objects to transfer data file. ⓘ 1

☐ Include hidden objects ⓘ

☐ Synchronize Picture ⓘ

☐ Mark synchronized contacts as private ⓘ

☐ Modify or delete existing contacts with source domain ⓘ

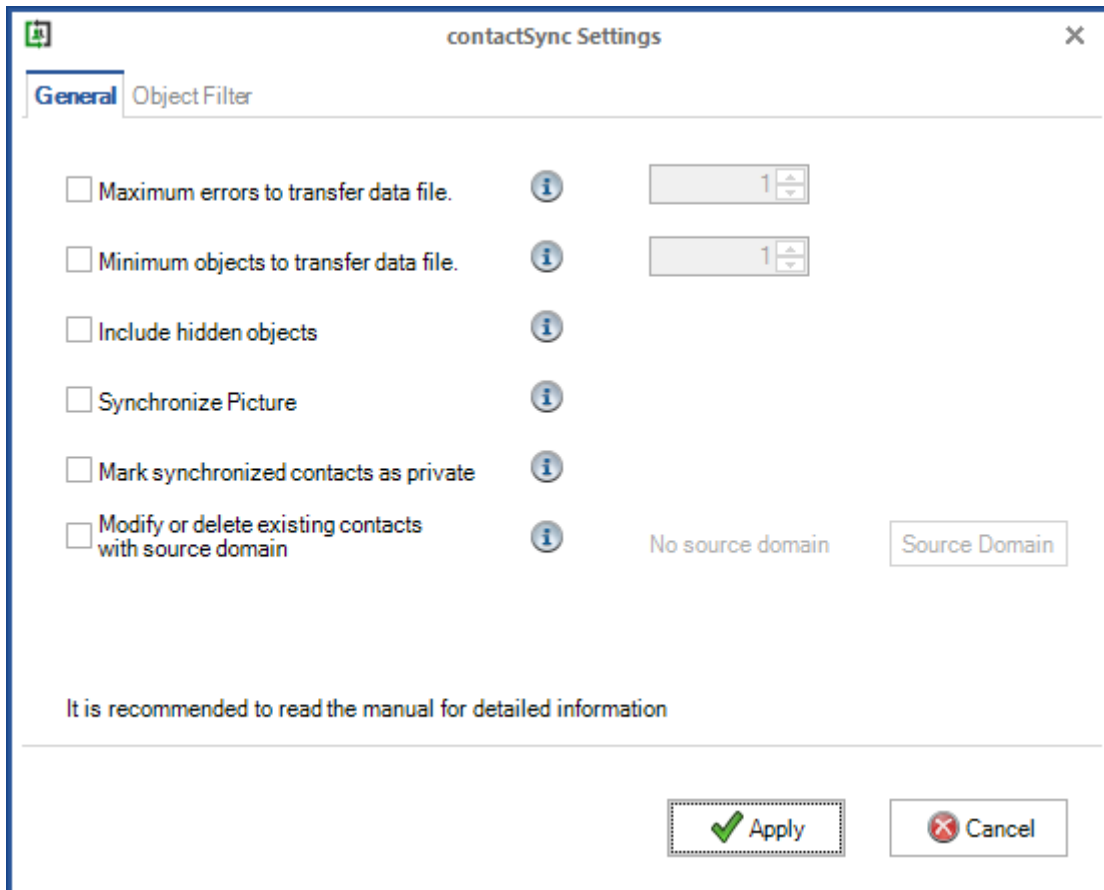
It is recommended to read the manual for detailed information

Apply Cancel

Example of configuration with an old source domain:

☒ Modify or delete existing contacts with source domain ⓘ DC=forestB,DC=com

New design of version 8.2



The screenshot shows the 'contactSync Settings' dialog box with the 'General' tab selected. The 'Object Filter' sub-tab is also visible. The settings are as follows:

- ☐ Maximum errors to transfer data file. (Information icon) [1]
- ☐ Minimum objects to transfer data file. (Information icon) [1]
- ☐ Include hidden objects (Information icon)
- ☐ Synchronize Picture (Information icon)
- ☐ Mark synchronized contacts as private (Information icon)
- ☐ Modify or delete existing contacts with source domain (Information icon) [No source domain] [Source Domain]

It is recommended to read the manual for detailed information

[Apply] [Cancel]

Example of configuration with an old source domain:



The example configuration shows the 'Modify or delete existing contacts with source domain' option checked. The 'No source domain' button is highlighted, and the 'Source Domain' button is also visible.

Enable the **Modify or delete existing contacts with source domain** option and click the **Source Domain** button to open the dialog to manage the old source domains.

The **Old Source Domain** dialog to manage the old source domain values.

contactSync - Old Source Domains

After migrating objects, the source domain may change.
For example, objects were exported from an on-premises Exchange, migrated to Exchange Online and are now to be synchronized from Exchange Online to the mailboxes without their email address having changed.

This option additionally allows to modify and delete the corresponding synchronized contacts in the mailbox, which are still marked with the old source domain.

Please use the notation of the on-premises Active Directory domain (e.g. dc=company,dc=local) or the notation of the domain name of the Microsoft 365 Exchange Online tenant (e.g. company.onmicrosoft.com)

or the notation 'folderid=<Folder Id>' or 'folder id: <Folder Id>' for the folder id of the old Public Folder or Shared Mailbox (e.g. folderid=AQEuAAADGkRzkKpmEc2byqACEWgMAduzr2hZ6egBDm3yfl4AAAM)

Source Domain

+

 Add

✎

 Modify

✖

 Remove

Old Source Domain

✓

 Apply

✖

 Cancel

Insert the old source domain value and add it to the **Old Source Domain** list.

Source Domain

DC=forestB,DC= com

+

 Add

✎

 Modify

✖

 Remove

Old Source Domain

Source Domain

Add

Modify

Remove

Old Source Domain	
DC=forestB,DC=com	

Please note, the source domain syntax `company.onmicrosoft.com` will be added as `DC=company,DC=onmicrosoft,DC=com` to the **Old Source Domain List**.

Source Domain

company.onmicrosoft.com

Add

Modify

Remove

Old Source Domain	

Source Domain

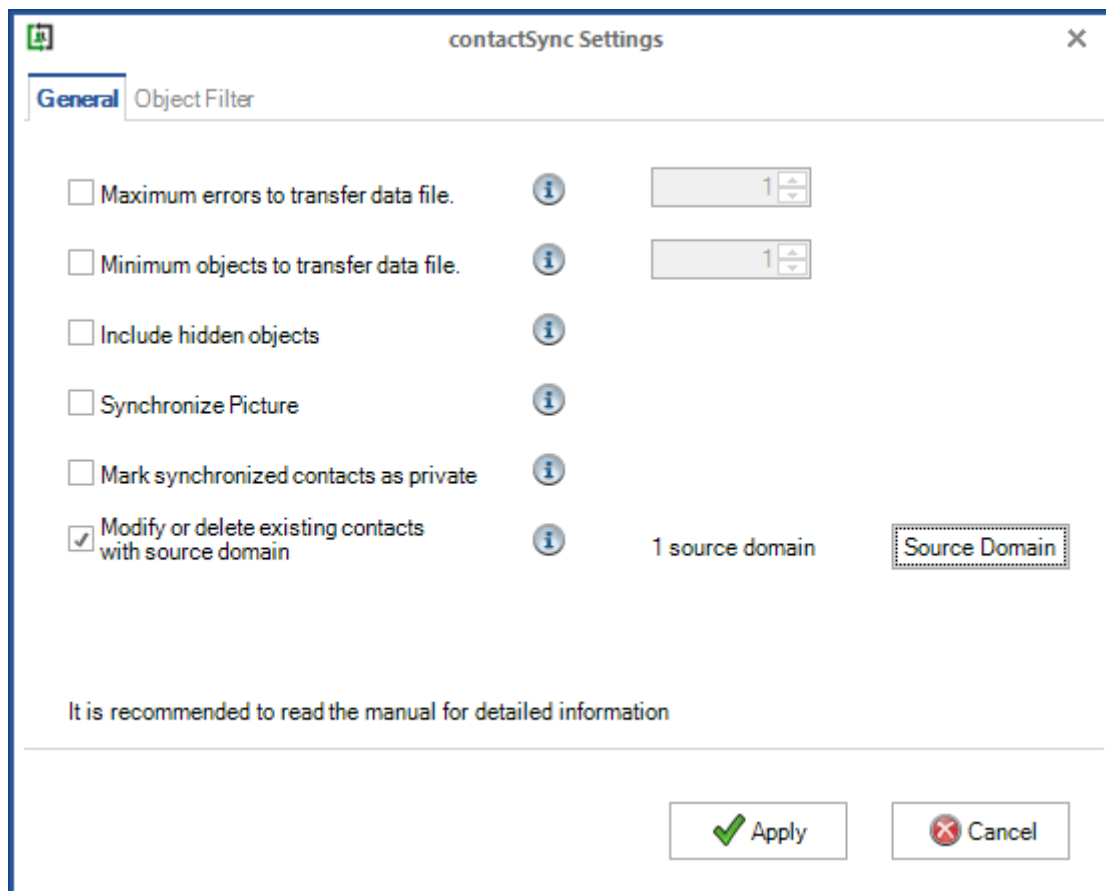
Add

Modify

Remove

Old Source Domain	
DC=company,DC=onmicrosoft,DC=com	

After clicking **Apply** to close the **Old Source Domain** dialog, the count of old source domain values is shown at the **Modify or delete existing contacts with source domain** option in the **contactSync Settings** dialog.



The screenshot shows the 'contactSync Settings' dialog box with the 'General' tab selected. The 'Object Filter' section is visible. The settings are as follows:

Setting	Value
<input type="checkbox"/> Maximum errors to transfer data file.	1
<input type="checkbox"/> Minimum objects to transfer data file.	1
<input type="checkbox"/> Include hidden objects	
<input type="checkbox"/> Synchronize Picture	
<input type="checkbox"/> Mark synchronized contacts as private	
<input checked="" type="checkbox"/> Modify or delete existing contacts with source domain	1 source domain

Below the settings, there is a text box labeled 'Source Domain' and a note: 'It is recommended to read the manual for detailed information'. At the bottom, there are 'Apply' and 'Cancel' buttons.

contactSync version 8.1 compared with contactSync 8.0.x

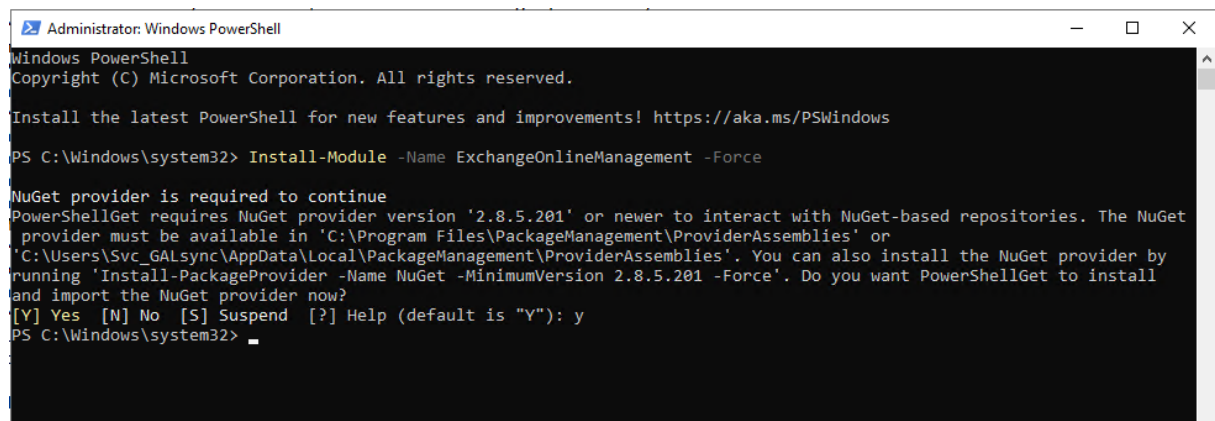
1. As of version 8.1, contactSync requires **Windows PowerShell 5.1** and the **ExchangeOnlineManagement PowerShell module** for **Exchange Online PowerShell V3**.

The **ExchangeOnlineManagement PowerShell module** needs to be installed on the contactSync Server, so contactSync can directly communicate with an Office 365 Exchange Online tenant.

On the contactSync Server, open **Windows PowerShell as Administrator**, then run the following:

```
Install-Module -Name ExchangeOnlineManagement -Force
```

When prompted, enter **Y** for Yes then Return



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Windows\system32> Install-Module -Name ExchangeOnlineManagement -Force

NuGet provider is required to continue
PowerShellGet requires NuGet provider version '2.8.5.201' or newer to interact with NuGet-based repositories. The NuGet
provider must be available in 'C:\Program Files\PackageManagement\ProviderAssemblies' or
'C:\Users\Svc_GALsync\AppData\Local\PackageManagement\ProviderAssemblies'. You can also install the NuGet provider by
running 'Install-PackageProvider -Name NuGet -MinimumVersion 2.8.5.201 -Force'. Do you want PowerShellGet to install
and import the NuGet provider now?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): y
PS C:\Windows\system32>
```

Please have look at the **Prerequisites for the Exchange Online PowerShell module** chapter of the **Microsoft Docs: About the Exchange Online PowerShell module**

<https://learn.microsoft.com/en-us/powershell/exchange/exchange-online-powershell-v2?view=exchange-ps#prerequisites-for-the-exchange-online-powershell-module>

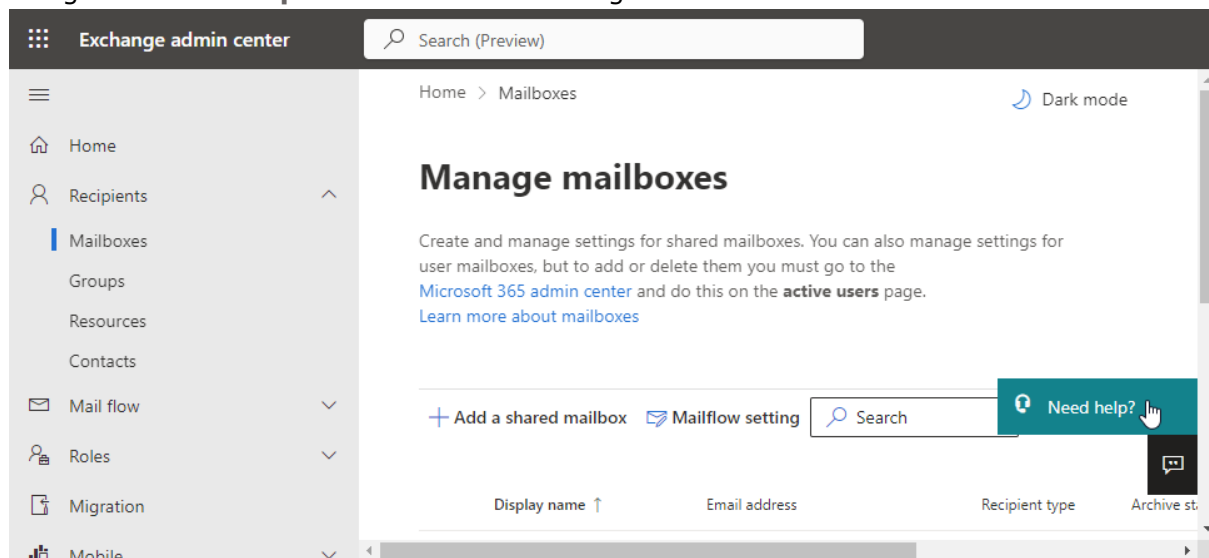
Remote PowerShell in Exchange Online is needed - Re-enabling or Extending RPS support

Microsoft announced the deprecation of Remote PowerShell (RPS) in Exchange Online, but offers the possibility of re-enabling or extending the RPS support in the Exchange Team Blog article:

[Deprecation of Remote PowerShell in Exchange Online – Re-enabling or Extending RPS support](#)

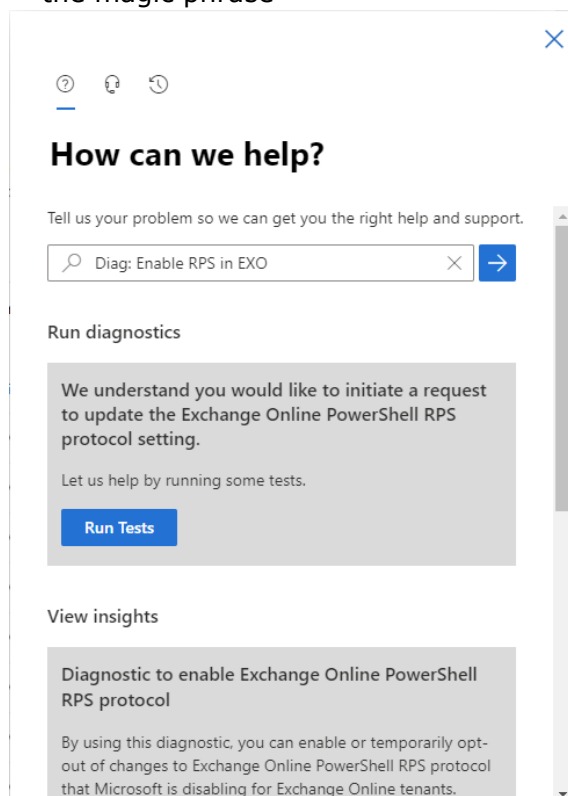
Using the Self-Service Tool

You can go to the Microsoft 365 admin center or the Exchange admin center and click on the green **Need help?** button in the lower right-hand corner of the screen.

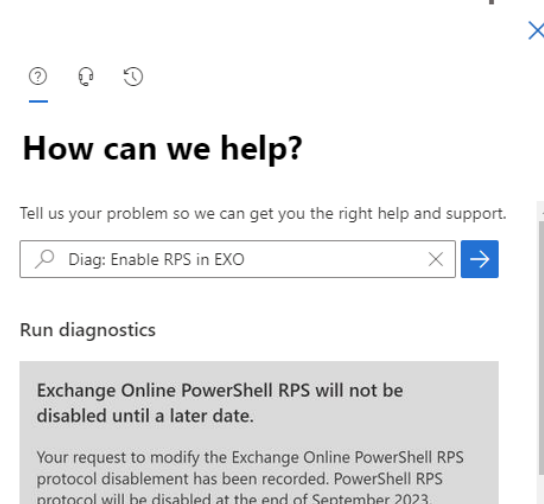


When you click the button, you enter our self-service help system. Here you can enter the magic phrase

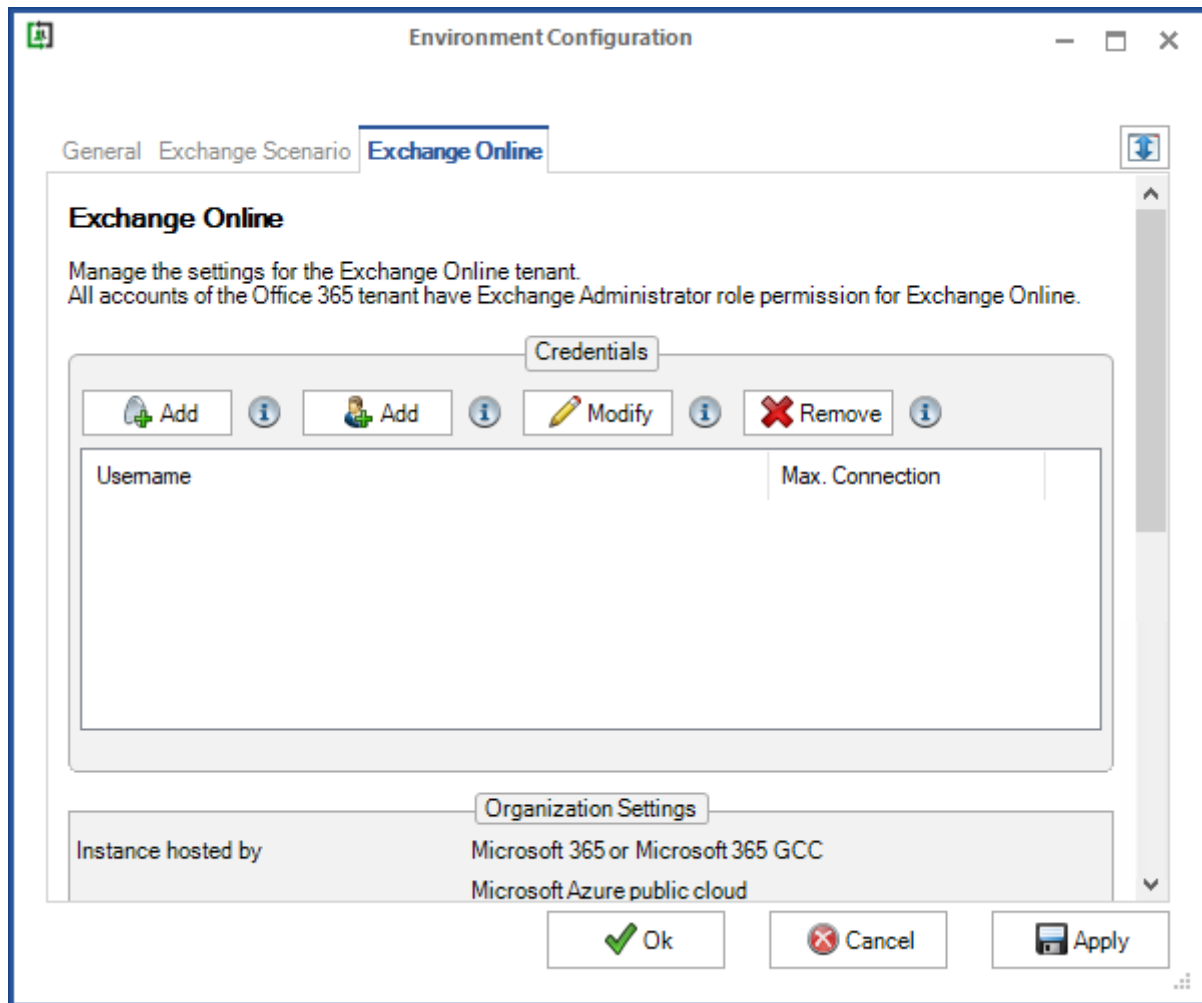
Diag: Enable RPS in EXO



Click **Run Tests** to check your tenant settings to see if we have disabled RPS, and then review the results. If we have not disabled RPS for your tenant, and you are running the diagnostic, we will offer you the option to temporarily opt out of RPS disablement or re-enable RPS. Click the checkbox and then click **Update**.



2. As of contactSync version 8.1, the **certificate-based authentication** method to establish a connection to Exchange Online is available on the Exchange Online tab of the **Environment Configuration**.



Please take a look at the **contactSync 8.1 manual** for further information

<https://www.netsec.de/en/products/contactsync/documentation.html>









The **Add** button on the left, will open a dialog window in which to configure **certificate-based authentication** via **App registration** for the Exchange Online tenant.



General Exchange Scenario **Exchange Online**

Exchange Online


Manage the settings for the Exchange Online tenant.
All accounts of the Office 365 tenant have Exchange Administrator role permission for Exchange Online.


Credentials


 Add   Add   Modify   Remove 

 Exchange Online App Registration 

Corresponding settings for the Enterprise Application in the Office 365 Azure AD that enables access to Exchange Online.


Organization / Tenant 



Application Display Name 


Application ID 



Certificate

Friendly Name	FriendlyName
Not After	Not After
Subject	Subject
Thumbprint	Thumbprint
Has PrivateKey	Has PrivateKey
User	User

Choose Certificate Create Certificate 

Maximum Connection  ☒ Set as primary account 

Email Address 

 Apply  Cancel

Please take a look at the **Exchange Online certificate-based authentication via App Registration** chapter in the **contactSync 8.1 manual** for further information

<https://www.netsec.de/en/products/contactsync/documentation.html>

The **Add** button on the right, will open a dialog window in which to configure **user-based authentication** via **Service Account** for the Exchange Online tenant.

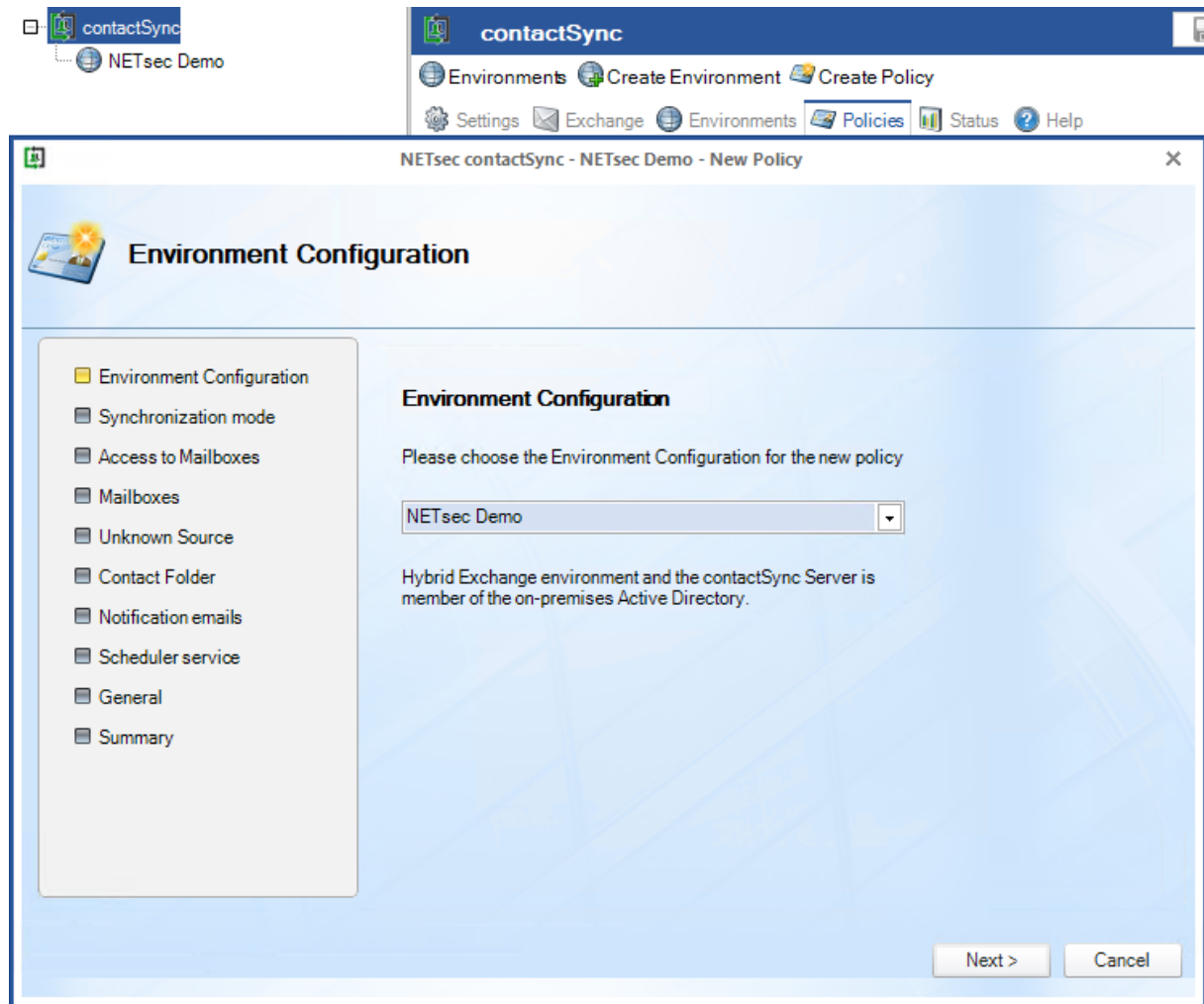
The screenshot shows a software interface with three tabs: 'General', 'Exchange Scenario', and 'Exchange Online'. The 'Exchange Online' tab is active. Below the tabs, the title 'Exchange Online' is followed by a description: 'Manage the settings for the Exchange Online tenant. All accounts of the Office 365 tenant have Exchange Administrator role permission for Exchange Onli'. Below this is a 'Credentials' section with a toolbar containing 'Add', 'Add', 'Modify', and 'Remove' buttons, each with an information icon. A dialog box titled 'Exchange Online Credential' is open, featuring input fields for 'User-ID:', 'Password:', and 'E-mail:', each with an information icon. It also has a 'Maximum Connection' spinner set to '2' with an information icon, and a checkbox 'Set as primary account' which is checked. Below these fields is a message box: 'The authentication method for Exchange Web Services of the Office 365 tenant'. Inside this box, it says 'Please login for the Modern Authentication OAuth 2.0' and has a radio button selected for 'Modern Authentication OAuth 2.0' with a 'Login' button and an information icon. At the bottom of the dialog are 'Apply' and 'Cancel' buttons.

Please take a look at the **Exchange Online authentication via Service Account** chapter in the **contactSync 8.1 manual** for further information

<https://www.netsec.de/en/products/contactsync/documentation.html>

contactSync version 8.0 compared with contactSync 7.6.x

1. As of contactSync version 8.0, new policies can only be created for an **Environment Configuration**. You must create and configure an **Environment Configuration** before a policy can be created.



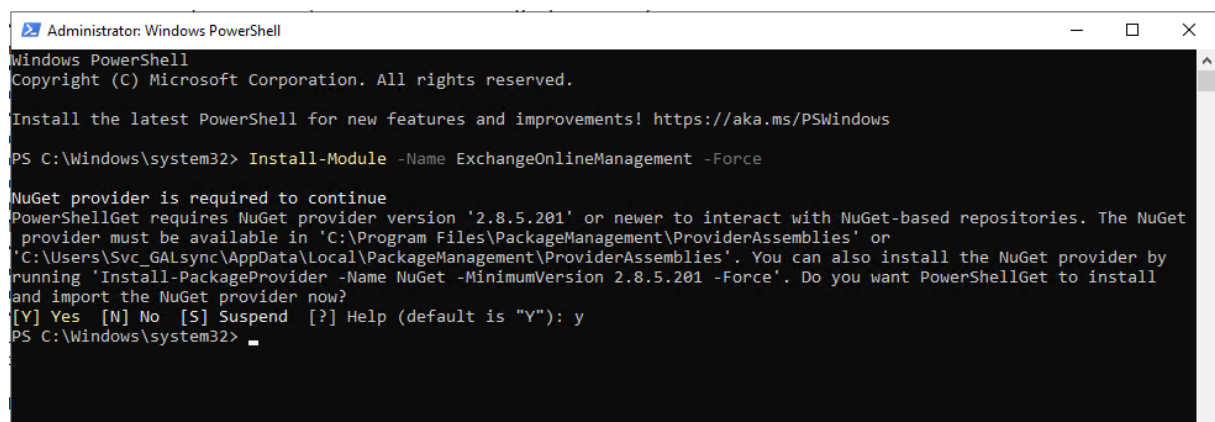
2. As of version 8.0, contactSync requires **Windows PowerShell 5.1** and the **ExchangeOnlineManagement PowerShell module** for **Exchange Online PowerShell V2** (ExchangeOnlineManagement module version 2.0.3 - 2.0.5).

The **ExchangeOnlineManagement PowerShell module** needs to be installed on the contactSync Server, so contactSync can directly communicate with an Office 365 Exchange Online tenant.

On the contactSync Server, open **Windows PowerShell as Administrator**, then run the following:

```
Install-Module -Name ExchangeOnlineManagement -RequiredVersion 2.0.5 -Force
```

When prompted, enter **Y** for Yes then Return



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

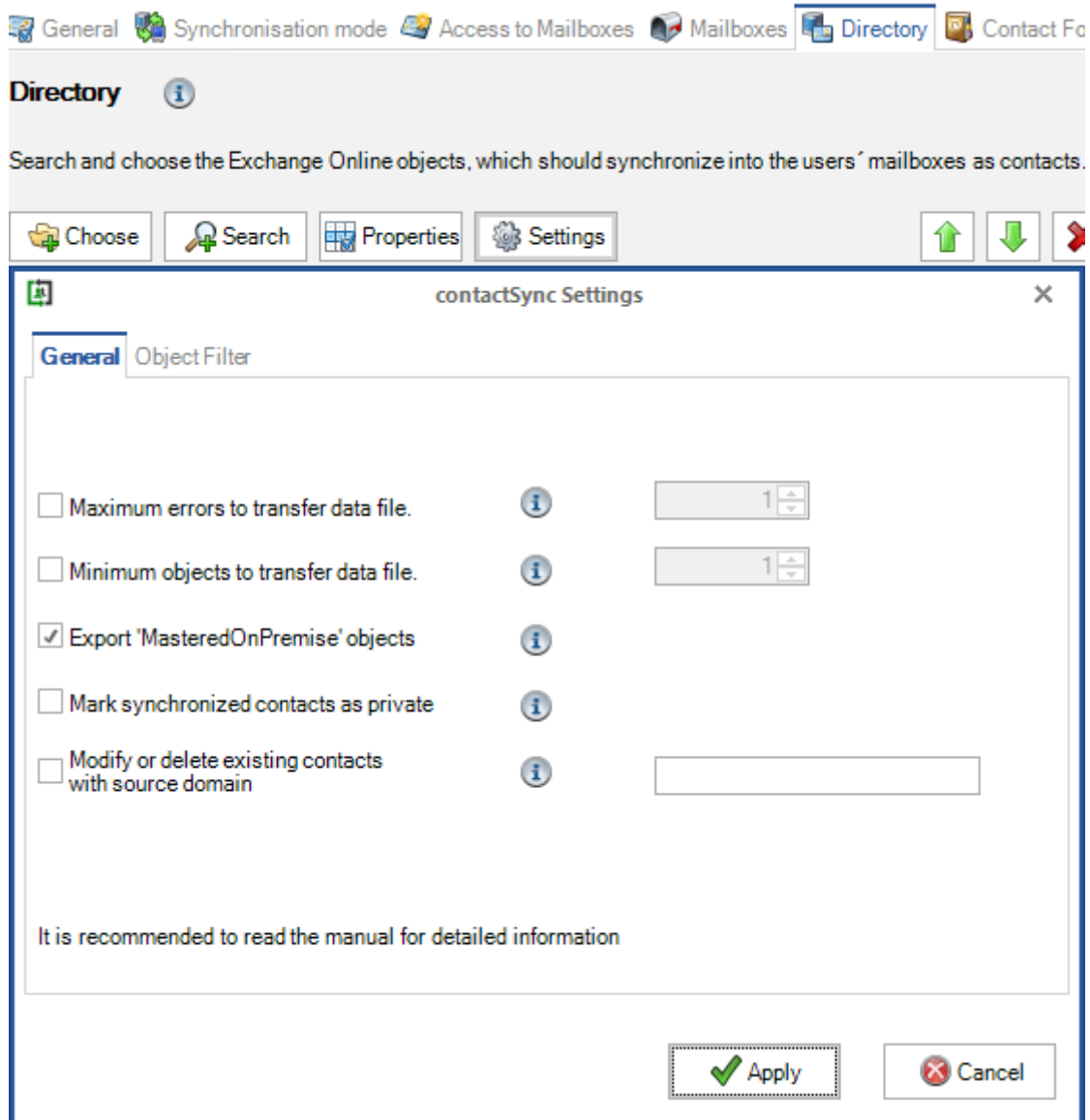
PS C:\Windows\system32> Install-Module -Name ExchangeOnlineManagement -Force

NuGet provider is required to continue
PowerShellGet requires NuGet provider version '2.8.5.201' or newer to interact with NuGet-based repositories. The NuGet
provider must be available in 'C:\Program Files\PackageManagement\ProviderAssemblies' or
'C:\Users\Svc_GALsync\AppData\Local\PackageManagement\ProviderAssemblies'. You can also install the NuGet provider by
running 'Install-PackageProvider -Name NuGet -MinimumVersion 2.8.5.201 -Force'. Do you want PowerShellGet to install
and import the NuGet provider now?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): y
PS C:\Windows\system32>
```

Please take look at the **Prerequisites for the EXO V2 module** chapter of the **Microsoft Docs: About the Exchange Online PowerShell V2 module**

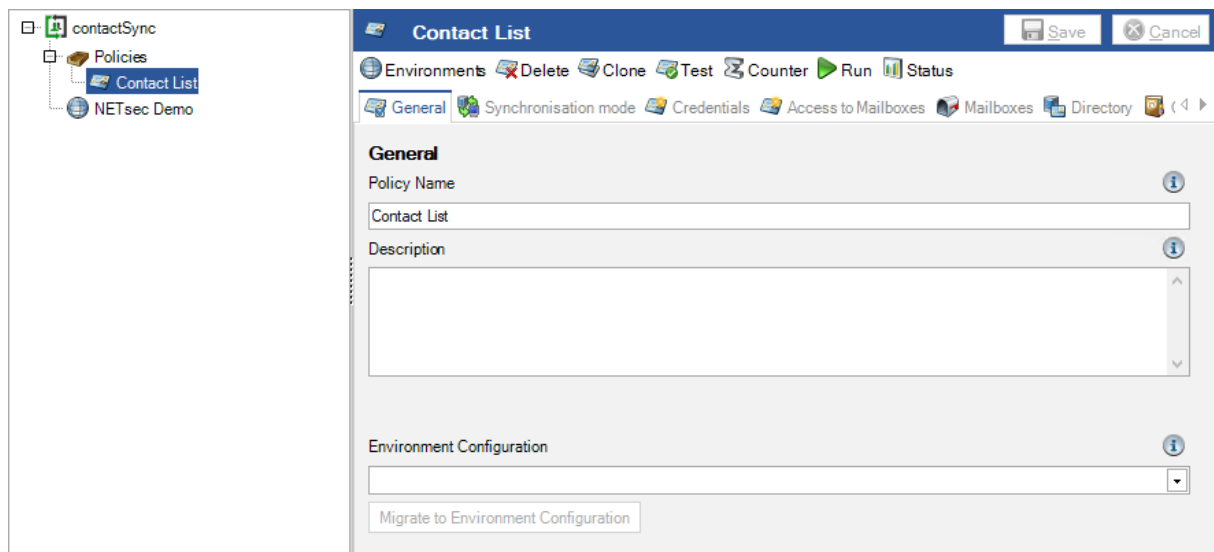
<https://docs.microsoft.com/en-us/powershell/exchange/exchange-online-powershell-v2?view=exchange-ps#prerequisites-for-the-exo-v2-module>

3. As of contactSync version 8.0, newly created policies for Exchange Online have the **Export 'MasteredOnPremise' objects** option of the **contactSync Settings** enabled by default.



Migrate an existing policy

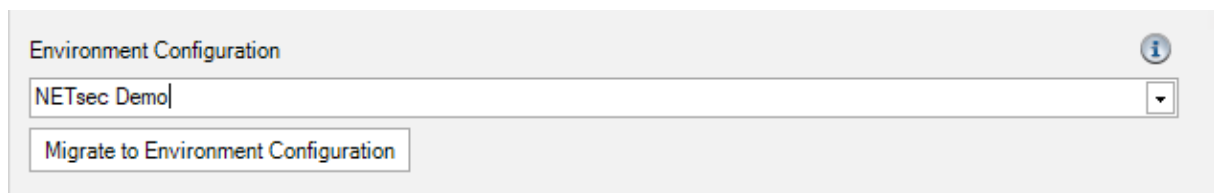
Policies created by contactSync Version 7 or earlier versions have no associated Environment Configuration.



You can migrate such a policy to a corresponding Environment Configuration.

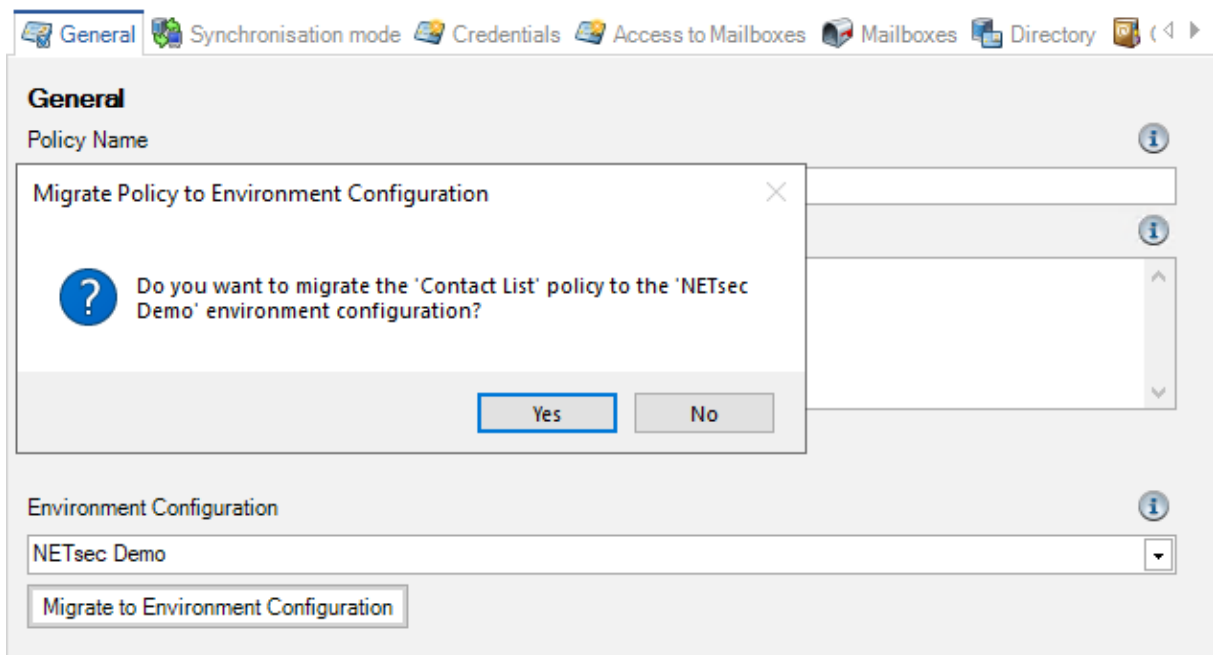
Please note that a policy can only migrate once.

Select the corresponding **Environment Configuration** on the **General** tab of the policy and click **Migrate to Environment Configuration**.



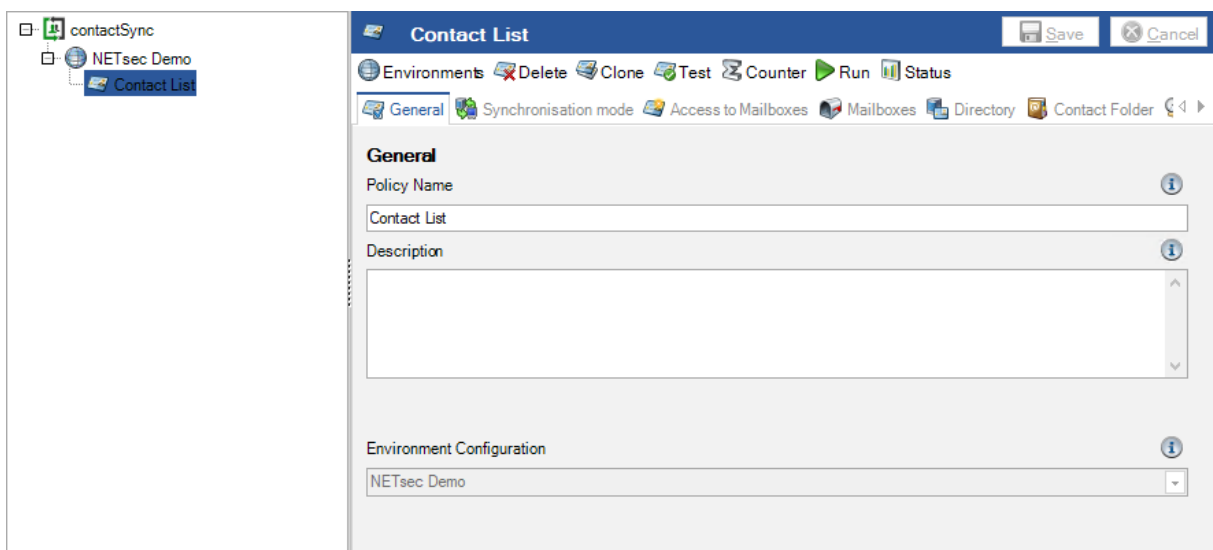
If you are sure, you have selected the correct **Environment Configuration** for the policy migration, click **Yes** to migrate the policy to the selected Environment Configuration.

Please note that a policy can only migrate once.



After that, please save the policy.

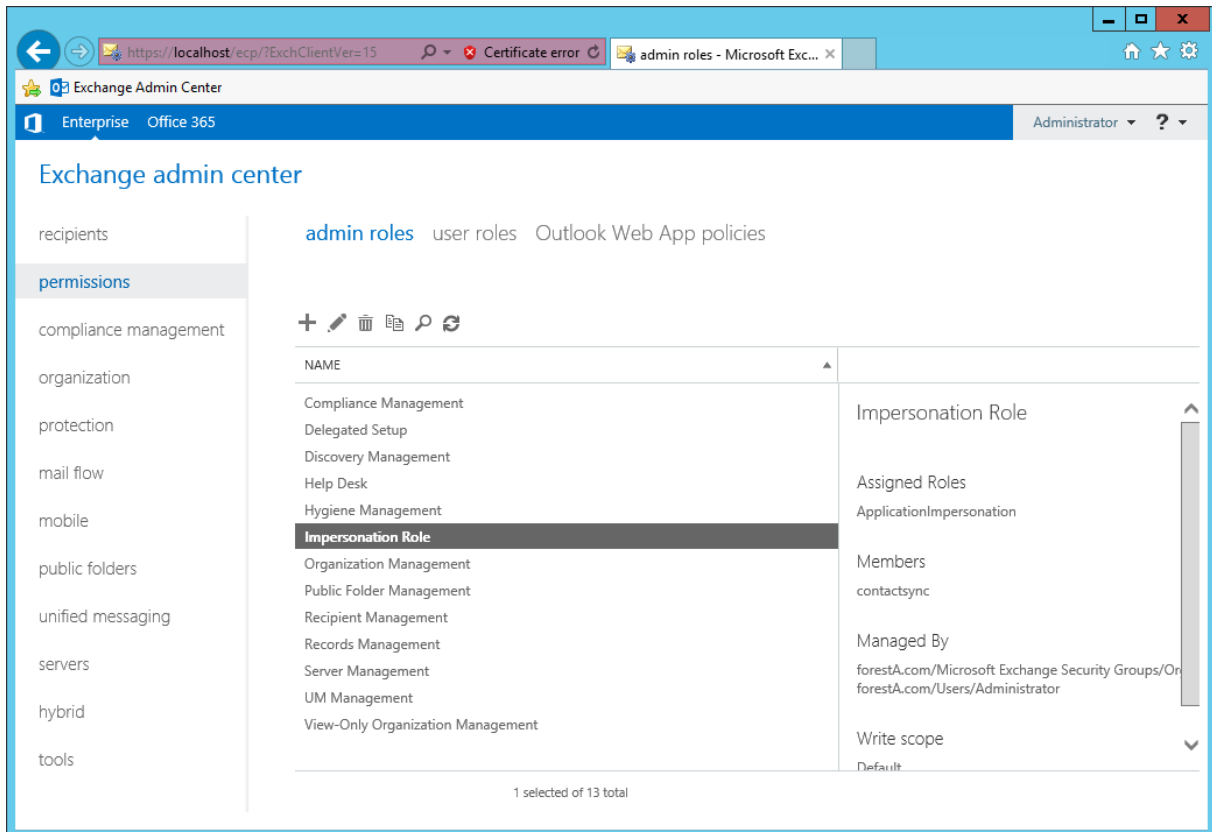
The policy now belongs to the corresponding Environment Configuration and uses the settings of the Environment Configuration for the Exchange environment.



contactSync version 7.6 compared with contactSync 7.5.x

As of contactSync version 7.6, the default access method to the mailboxes has changed to Exchange Impersonation on the **Access to mailboxes** Credentials tab of the policy.

The service account must be member of an **Admin Role** in the **Exchange Admin Center**, which has the **ApplicationImpersonation** role assigned.



On-premises Exchange:

The screenshot shows the 'Access to Mailboxes' configuration window. At the top, there are tabs for 'General', 'Synchronisation mode', 'Credentials', 'Mailboxes', and 'Directory'. The 'Mailboxes' tab is selected. The window is divided into three main sections: 'Access Method', 'Account for Access', and 'Exchange Web Services URL'. In the 'Access Method' section, the 'Use impersonation for access to mailboxes' radio button is selected. Below it, there is a checkbox for 'Use full access for access to mailboxes' which is unchecked, and a checkbox for 'with disabled EWS Throttling' which is also unchecked. A spinner box shows the value '5', with a text label 'count of concurrent mailboxes getting the contacts' and an example 'e.g. 5 mailboxes concurrently'. The 'Account for Access' section has two radio buttons: 'Credentials of the contactSync service account' (selected) and 'Credentials of a dedicated mailbox user' (unchecked). Below these are input fields for 'User Name:', 'Password:', and 'E-Mail Address:'. The 'E-Mail Address' field contains the text 'contactsync@foresta.com'. The 'Exchange Web Services URL' section has two radio buttons: 'Use Autodiscover to find Exchange Web Services URL' (selected) and 'Manual setting' (unchecked). The 'Manual setting' option has a text input field with the example 'e.g. https://casserver.domain.local/EWS/Exchange.asmx' and a search icon.

If **Exchange Application Impersonation** is configured, maximum 5 mailboxes concurrently are recommended.

If **Full Access** is configured in an on-premises Exchange environment and the server-side EWS Throttling is disabled, maximum 5 mailboxes concurrently are recommended.

Note: It depends on the Exchange environment how many mailboxes getting the contacts to be synchronized at the same time.

Exchange Online:

The screenshot shows the 'Access to Mailboxes' configuration window. At the top, there are tabs: 'General', 'Synchronisation mode', 'Credentials', 'Credentials', and 'Mailboxes'. The 'Access Method' section has two radio buttons: 'Use impersonation for access to mailboxes' (selected) and 'Use full access for access to mailboxes'. Below these is a spinner box set to '5' with the text 'count of concurrent mailboxes getting the contacts e.g. 5 mailboxes concurrently'. The 'Account for Access' section has two radio buttons: 'Credentials of the primary Exchange Online account' (selected) and 'Credentials of a dedicated mailbox user'. Below these are input fields for 'User Name:', 'Password:', and 'E-Mail Address:'. The 'Exchange Web Services URL of the Office 365 tenant' section has two radio buttons: 'Use Autodiscover to find Exchange Web Services URL' (selected) and 'Manual setting' with an example URL 'e.g. https://outlook.office365.com/EWS/Exchange.asmx' and a search icon. The bottom section, 'The authentication method for Exchange Web Services of the Office 365 tenant', states 'Exchange Online provides the following authentication options for you to choose from:' and has two radio buttons: 'Basic' (selected) and 'OAuth 2.0'. A 'Login' button is also present.

If **Exchange Application Impersonation** is configured (recommended), contactSync can connect to up to 5 mailboxes concurrently.

If **Full Access** is configured, contactSync can only connect to one mailbox at a time.

Note: It depends on the Exchange environment how many mailboxes getting the contacts to be synchronized at the same time.

contactSync version 7.5 compared with contactSync 7.4.x

1. The shortcut on the desktop and the start menu entry are renamed to NETsec contactSync.



2. The contactSync service account of an Office 365 Tenant needs access to its own mailbox. Therefore, Modern Authentication OAuth 2.0 for Exchange Web Services (EWS) can be configured.

Please note, that Microsoft will stop supporting and fully decommission the Basic Authentication for Exchange Web Services (EWS) to access Exchange Online on 13th October 2020.

Please check first, that the contactSync GUI is running in the credentials of the local contactSync service account, otherwise contactSync cannot decrypt the token later.

You can check this on the information bar at the bottom of the contactSync GUI.



Enter the credentials of the contactSync service, and click the **Login** button.


 A screenshot of the 'Exchange Online Credential' dialog box. It contains the following fields and controls:

- User-ID:** support@netsectest.onmicrosoft.com
- Password:** [masked with dots]
- E-mail:** support@netsectest.onmicrosoft.com
- Maximum Connection:** 2
- ☒ **Set as primary account**
- The authentication method for Exchange Web Services of the Office 365 tenant**
 - Please login for the Modern Authentication OAuth 2.0
 - ☒ **Modern Authentication OAuth 2.0**
 - Login** button
- Apply** button (with a green checkmark icon)
- Cancel** button (with a red X icon)

Please note, that the User-ID and the E-mail address can be different for an Exchange Online mailbox user. This depends on your Office 365 Exchange Online tenant.


NETsec contactSync needs the requested permissions.

Sign in to your account

 Microsoft

support@netsectest.onmicrosoft.com

Permissions requested

 NETsec contactSync
contactsync.netsec.de

This application is not published by Microsoft or your organization.

This app would like to:

- ✓ Access your mailboxes
- ✓ Maintain access to data you have given it access to
- ✓ View your basic profile

☐ Consent on behalf of your organization

Accepting these permissions means that you allow this app to use your data as specified in their [terms of service](#) and [privacy statement](#). You can change these permissions at <https://myapps.microsoft.com>. [Show details](#)

Cancel

Accept

[Terms of use](#) [Privacy & cookies](#) ...

NETsec contactSync has an entry in **Enterprise Applications** of your Office 365 **Azure Active Directory Admin Center**, where you can also check and manage the permissions.

Enterprise applications - All applications
netsec-test - Azure Active Directory

Overview
 Overview
 Diagnose and solve problems

Manage
 All applications
 Application proxy
 User settings

Security
 Conditional Access

Activity
 Sign-ins
 Usage & insights (Preview)

+ New application | Columns

Try out the new Enterprise Apps search preview! Click to enable the preview. →

Application Type: Enterprise Applications | Applications status: Any | Application v: Any

First 50 shown, to search all of your applications, enter a display name or the application

Name	Homepage URL	Object ID
Azure DevOps	http://azure.com/devops	890966fd-7ca7-4...
Graph explorer		b74f7867-abbf-4...
Microsoft Intune	http://www.microsoft.com/en-us/se...	6fdd1b4d-7c4b-4...
Microsoft Intune Enr		e66af2ca-5f1c-44...
NETsec contactSync	https://www.netsec.de/en/products...	bd0bf5e1-1e51-4...
Office 365 Exchange	http://office.microsoft.com/outlook/...	e2082f30-h4e9-4...

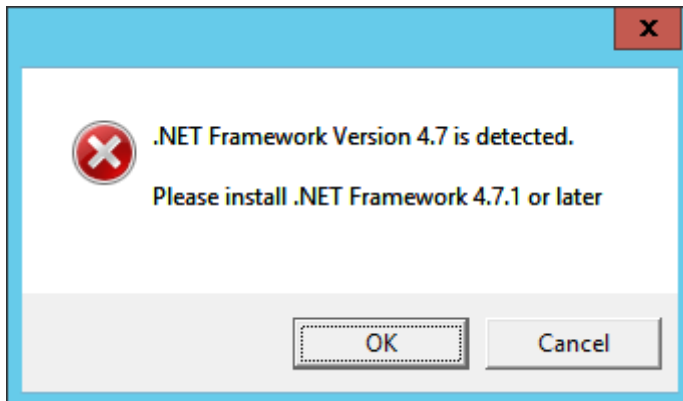
contactSync version 7.4 compared with contactSync 7.3.x

1. The old config.xml and old policy files may sometimes be incompatible.

contactSync version 7.3 compared with contactSync 7.2.x

1. contactSync needs **.NET Framework 4.7.1** or later.

Otherwise, you will receive the following errors and contactSync does not work.



Error message:

```
Could not load file or assembly 'netstandard, Version=2.0.0.0, Culture=neutral,
PublicKeyToken=cc7b13ffcd2ddd51' or one of its dependencies. The system cannot find
the file specified.
```

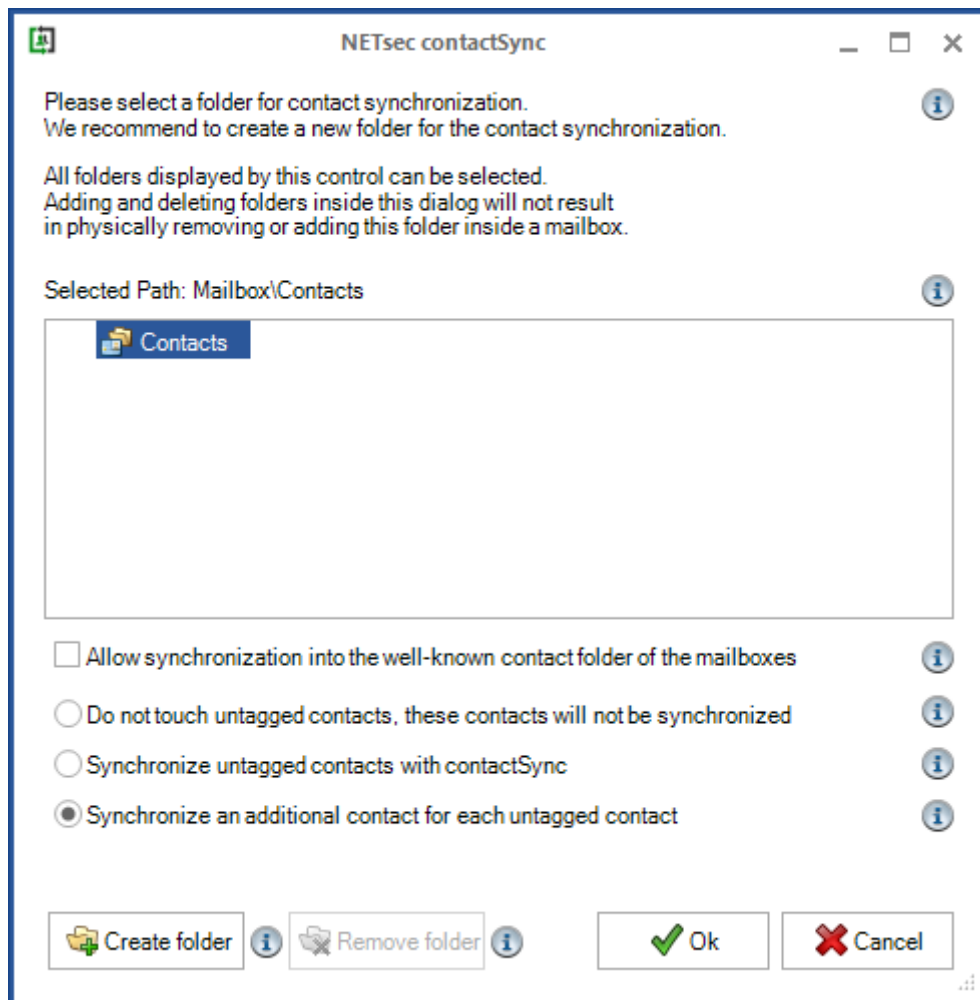
You can download the Microsoft .NET Framework 4.7.1 here:

<https://www.microsoft.com/en-us/download/details.aspx?id=56116>

2. Please check all credentials for the Office 365 accounts, because on some occasions, credentials are unable to be upgraded to the new version.

Note: If you downgrade to an old version, you have to insert all credentials again.

3. contactSync has the option to create and synchronize the contacts into the well-known contact folder of the mailboxes. Please be careful with this option because it allows you to directly change and delete contacts that your employees have created. This could also confuse some of your employees.

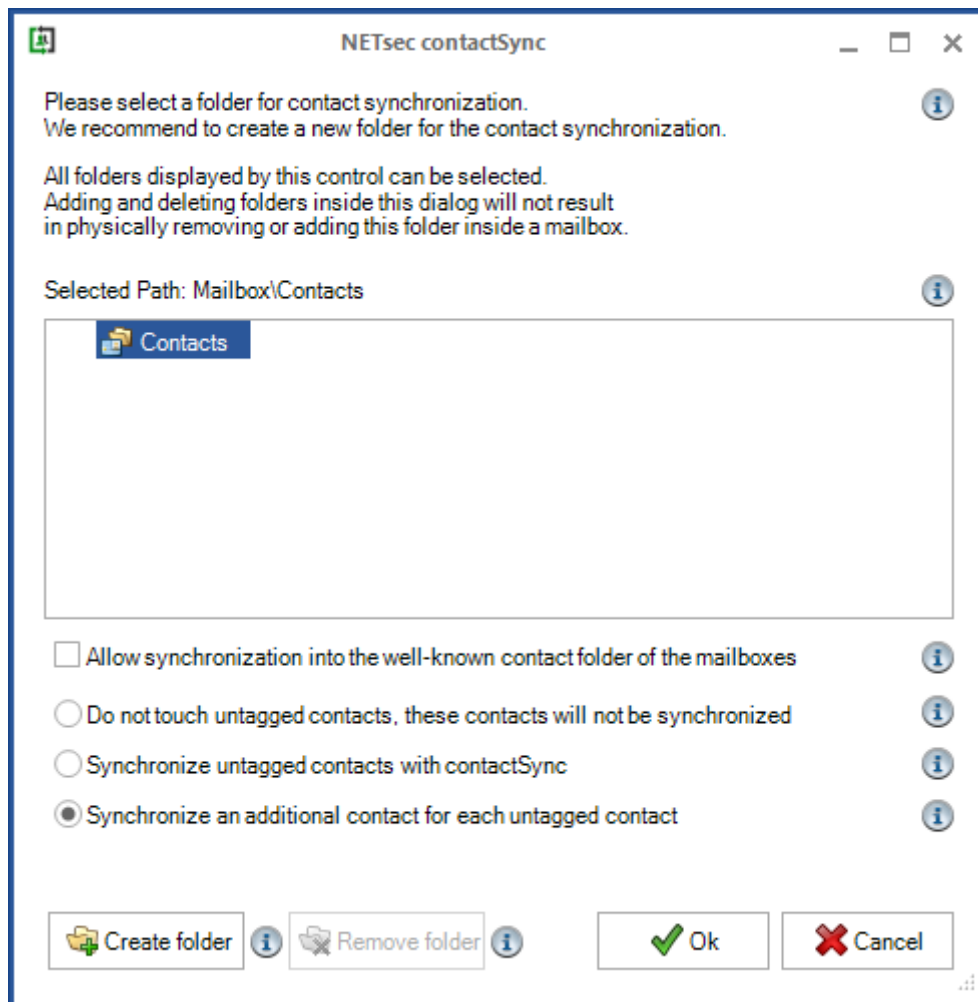


The default behavior has changed since contactSync 7.2.10 for existing contacts which were not created by contactSync, but in the selected contact folder and below it.

The default is now, that an additional contact for each existing contact, which was not created by contactSync, will be created and synchronized in the selected contact folder inside the mailboxes.

contactSync version 7.2 compared with contactSync 7.2.9

1. contactSync has the option to create and synchronize the contacts into the well-known contact folder of the mailboxes. Please be careful with this option because it allows you to directly change and delete contacts that your employees have created. This could also confuse some of your employees.



The default behavior has changed since contactSync 7.2.10 for existing contacts which were not created by contactSync, but in the selected contact folder and below it.

The default is now, that an additional contact for each existing contact, which was not created by contactSync, will be created and synchronized in the selected contact folder inside the mailboxes.

contactSync version 7.2 compared with contactSync 7.1.x

1. contactSync 7.2 has a redesigned remote PowerShell management for Office 365 tenants. contactSync will now try to reconnect broken remote PowerShell sessions to the Office 365 tenant during a policy run.

Note: If a PowerShell connection to the Office 365 tenant is broken, then contactSync will try to reconnect to the Office 365 tenant, but it may happen, that some data are not completely synchronized due to the broken connection.

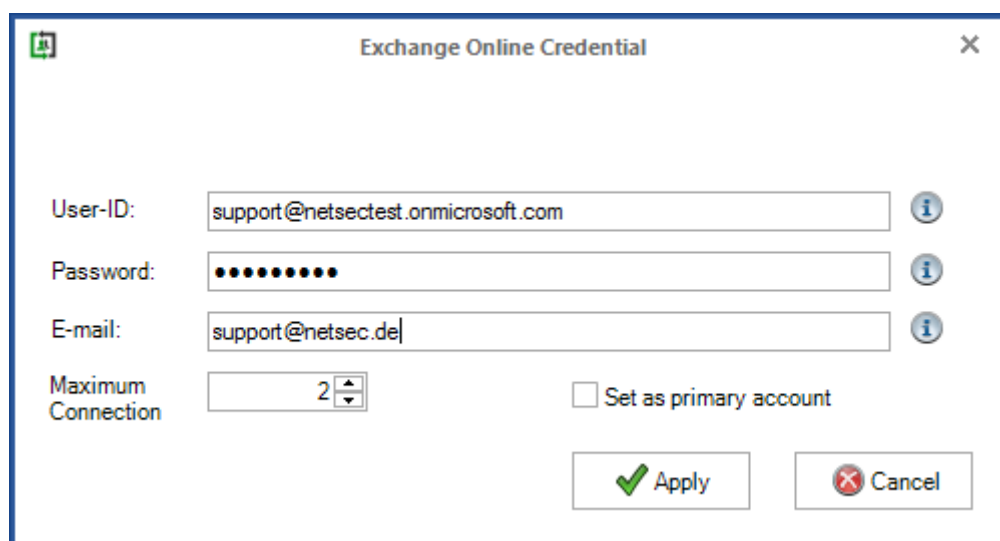
In this case contactSync will try to complete it in the next synchronization run.

In the worst case it can happened, that some existing contacts in the mailboxes of the synchronization will be deleted and that after they are re-created NDR issues in the target environment can occur.

2. contactSync needs PowerShell 3.0 and later to connect to Office 365 tenants.

3. contactSync needs the credentials for its Office 365 Exchange Online mailbox, and uses the User-ID as the email address in existing policies.

Please check your policies in the Office 365 tenant, to see whether there are any differences between the User-ID and email address.



The screenshot shows a dialog box titled "Exchange Online Credential". It has a close button (X) in the top right corner. The dialog contains the following fields and controls:

- User-ID:** A text box containing "support@netsectest.onmicrosoft.com" with an information icon (i) to its right.
- Password:** A text box with masked characters (dots) and an information icon (i) to its right.
- E-mail:** A text box containing "support@netsec.de" with an information icon (i) to its right.
- Maximum Connection:** A spinner box set to the value "2".
- Set as primary account:** An unchecked checkbox.
- Buttons:** "Apply" (with a green checkmark icon) and "Cancel" (with a red X icon) buttons at the bottom right.

4. contactSync will try to reconnect broken remote PowerShell sessions to the Office 365 tenant during a policy run.

Note: If a PowerShell connection to the Office 365 tenant is broken, contactSync will try to reconnect to the Office 365 tenant, but it may happen, that some data are not completely synchronized.

contactSync will try to complete it in the next synchronization run.

5. contactSync version 7.2 supports the local security option **System cryptography: Use FIPS compliant algorithms for encryption, hashing, and signing**.

If the local security option **System cryptography: Use FIPS compliant algorithms for encryption, hashing, and signing** is enabled,

contactSync 7.2 cannot communicate encrypted with older versions.

6. contactSync has a defined scope of **RecipientTypeDetails**, of which mail-enabled objects will be synchronized into the mailbox as contact.

For example: This enables to synchronize only mailbox users in a selected organizational unit (OU).

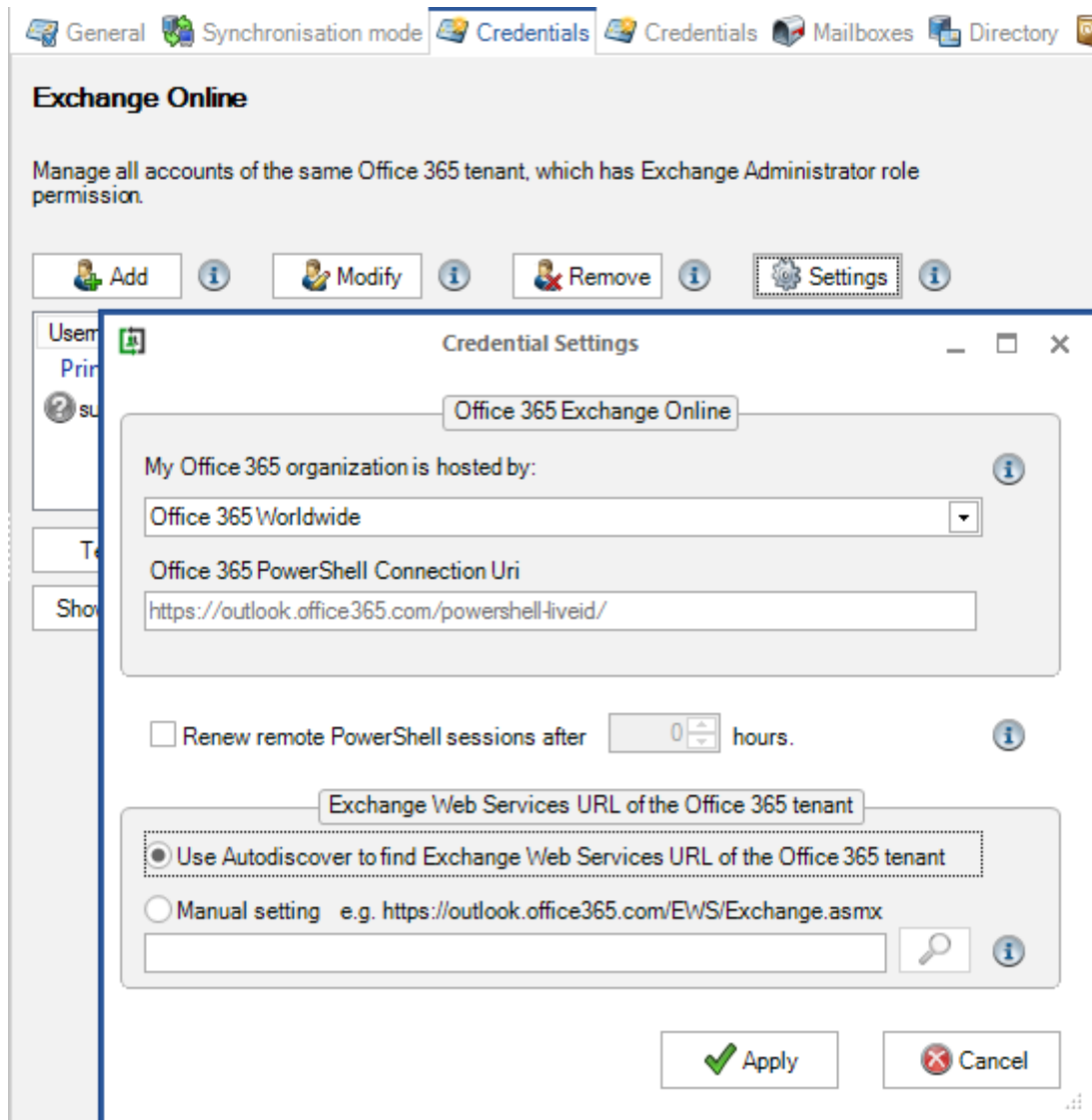
contactSync uses a default scope of **RecipientTypeDetails** for existing policies.

Please check your existing policies, that all **RecipientTypeDetails** are in the scope.

Note: If the `msExchRecipientTypeDetails` / `RecipientTypeDetails` property is not set, the object will be synchronized.

7. contactSync supports different Office 365 locations, particularly Office 365 Germany.

Select the Office 365 location in the **Settings** dialog on the Exchange Online Credentials tab.



Note: contactSync uses the "Office 365 Worldwide" by default.

Downgrading

Should you want to perform a downgrade to your previous version of contactSync, the changes you make in your new installation will not be reflected in the previous, older version. For downgrading, uninstall the new version, restore the backup of the contactSync program folder and commend data folder and run your previous installation file.

Licensing

For our customers with valid support the new version will be free of charge.

If you do not have valid support, you can keep using your contactSync version. If you install a newer version of contactSync, you have to buy a new license.

If you run contactSync version 8.3 without a license you will be able to synchronize contacts into maximum 20 mailboxes for up to 21 days!

Please note: Upgrading from contactSync to GALsync is possible without installing GALsync. Only the license needs to be updated.

If you have any licensing questions or queries, please feel free to contact our **contactSync Sales Team**
by phone +49 2421 998 78 20
or via e-mail sales@netsec.de

If you have any technical questions or queries, please feel free to contact our **contactSync Support Team**
by phone +49 2421 998 78 16
or via e-mail support@netsec.de