

# Setup an impersonation account in Exchange

If you need to link your Libraesva Archiver or Email Security to Microsoft Exchange for operations such as Libraesva Archiver synchronization/import or Libraesva Email Security Gateway Threat Remediation feature, you require full read access to all mailboxes residing in Microsoft Exchange.

To accomplish this, it is necessary to create an account in Microsoft Exchange with read rights across all mailboxes (impersonation role).

×**Prerequisites:** You must be a member of the *Organization Management* role group and ensure that the Exchange server is assigned Client Access Role.

## Impersonation account creation

There are two methods to configure the service account, the first one from the Exchange Admin Center and the second one from Exchange Management Shell:

### Method 1: From Exchange Admin Center

- Create an unprivileged domain user (e.g. *Libraesva Archiver*).
  - Exchange admin center -> recipients -> create a new dedicated mailbox.
- Log on to the *Exchange admin center* of your Microsoft Exchange environment.
- Navigate to *permissions*.
- Under *admin roles* select + (*New*).

The screenshot displays the Exchange Admin Center interface. The top navigation bar includes 'Enterprise Office 365' and 'Administrator'. The left sidebar lists various management categories, with 'permissions' selected. The main area shows 'admin roles' with a list of roles. 'Libraesva Archiver' is selected and highlighted. The right pane shows details for this role, including 'Assigned Roles' (Application Impersonation), 'Members' (Archiver Impersonation Mailbox), and 'Managed By' (ibra.sr/Microsoft Exchange Security Groups/Organization Manaibra.sr/Users/Administrator).

- Enter a meaningful name (e.g. *Libraesva Impersonation*) and description for the new role group.
- Under *Roles* add the role *ApplicationImpersonation*.
- Under *Members* add the user you've created above.
- Click on *Save* to create the new role group.

## Method 2: From the Exchange Management Shell

- Create an unprivileged domain user (e.g. *libraesva@yourdomain.com*).
- Open a Microsoft Exchange Management Shell session on the Microsoft Exchange 2016 Server.
- Enter the following command:

```
New-ManagementRoleAssignment -Name:"Libraesva Impersonation" -
Role:ApplicationImpersonation -User:libraesva@yourdomain.com
```

- *Optional:* Enter the following command to check the role assignment:

```
Get-ManagementRoleAssignment -Role:ApplicationImpersonation -
RoleAssigneeType:User | Format-List * Get-ManagementRoleAssignment
-Identity:"Libraesva Impersonation" | Format-List *
```

- *Optional:* Enter the following command to remove the role assignment:

```
Remove-ManagementRoleAssignment "Libraesva Impersonation"
```

## Remove EWS throttling limits

By default Exchange has specific limits on the amount of requests a user can make. To prevent Exchange from throttling Libraesva Appliances you can safely remove this limits with this command:

### Exchange 2010

```
New-ThrottlingPolicy -Name libraesva -EWSFindCountLimit $null -
EWSFastSearchTimeoutInSeconds $null -EWSMaxConcurrency $null -
EWSMaxSubscriptions $null -EWSPercentTimeInAD $null -
EWSPercentTimeInCAS $null -EWSPercentTimeInMailboxRPC $null; $b =
Get-ThrottlingPolicy libraesva; Set-ThrottlingPolicyAssociation -
Identity <name of the user with the impersonation role> -
ThrottlingPolicy $b;
```

### Exchange 2013

```
New-ThrottlingPolicy -Name libraesva -RCAMaxConcurrency $null -
EWSMaxConcurrency $null -EWSMaxSubscriptions $null -
EwsCutoffBalance $null -EwsMaxBurst $null -EwsRechargeRate $null -
CPAMaxConcurrency $null; $b = Get-ThrottlingPolicy libraesva; Set-
Mailbox -Identity <name of the user with the impersonation role> -
ThrottlingPolicy $b;
```

## Exchange 2016+

```
New-ThrottlingPolicy -Name libraesva -RCAMaxConcurrency unlimited -  
EWSMaxConcurrency unlimited -EWSMaxSubscriptions unlimited -  
EwsCutoffBalance unlimited -EwsMaxBurst unlimited -EwsRechargeRate  
unlimited -CPAMaxConcurrency unlimited; $b = Get-ThrottlingPolicy  
libraesva; Set-Mailbox -Identity <name of the user with the  
impersonation role> -ThrottlingPolicy $b;
```