

Setting up e-mail (OAUTH) in Azure Portal

Introduction

This document briefly describes two general examples of activating user name & password authentication and client secret authentication in Azure Portal to use with e-mail in Exchange/Office365.

The document also describes how to test settings from Azure Portal in the Monitor ERP client with the user name/password method and the client secret method.

Table of Contents

Setting up e-mail (OAUTH) in Azure Portal	1
Introduction	1
Azure Portal	2
Limitations.....	2
Security considerations.....	2
User name & password authentication	3
Azure Portal setup.....	3
Monitor ERP setup (User name/password method).....	12
Settings for incoming e-mail (User name/password method).....	17
Client secret authentication	25
Azure Portal setup.....	25
Monitor ERP setup (Client secret method).....	34
Settings for incoming e-mail (Client secret method).....	39

Azure Portal

- An account to Azure Portal is required.
- To test e-mail, the required credentials must be added under "Users" in Azure Portal.

Limitations

- Only one authentication method can be active at a time.
- The setting for "Supported account type" may differ depending on company setup - this guide describes a setup with the "single tenant" account type.
- Two-factor authentication can not be used with the user name & password authentication method.

Please note: **Further configuration and customization of settings according to each environment is required** to complete the setup. Also note that this document **does not cover the security aspect** of setting up e-mail using these settings in a tenant.

Security considerations

The document **does not cover settings or configurations for security**; it covers settings used to test that a configuration for both authentication methods in the Azure Portal works in the Monitor ERP client on a basic level. Please note: **It is up to each IT department to select and configure appropriate security settings** in their respective environments.

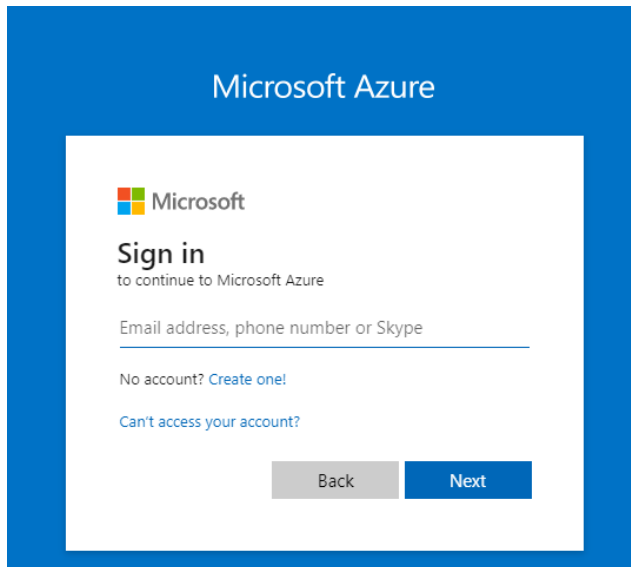
Example: You may want to complement with suitable security settings if you configure a tenant with the Client secret authentication method according to guidelines from Microsoft:

<https://learn.microsoft.com/en-us/powershell/module/exchange/new-applicationaccesspolicy?view=exchange-ps>

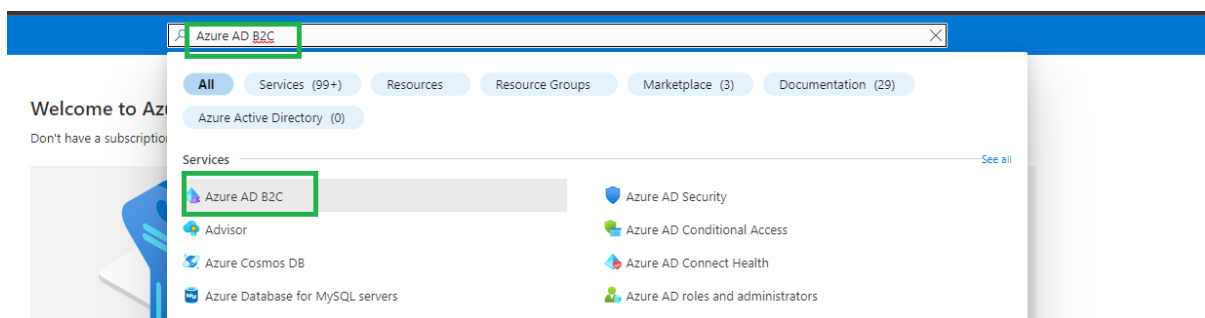
User name & password authentication

Azure Portal setup

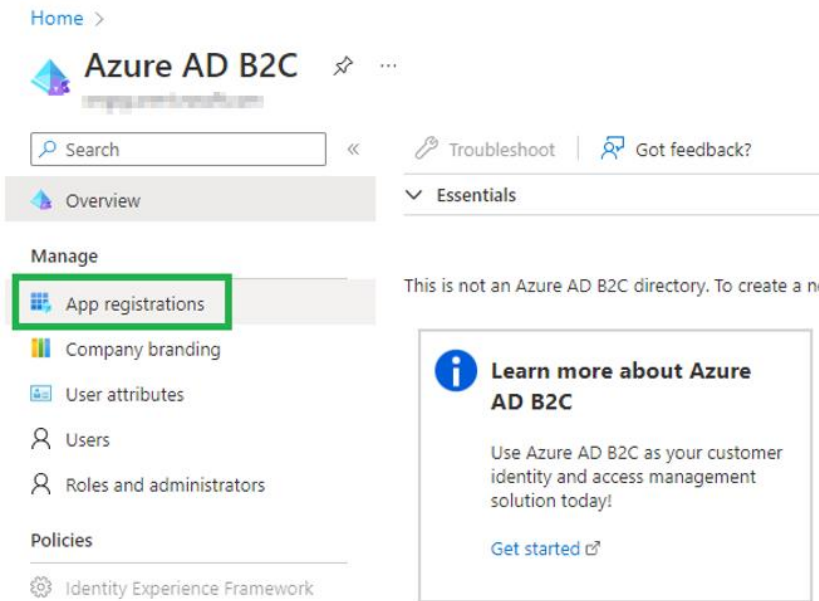
1. Sign in with an existing Azure account at <https://portal.azure.com>.



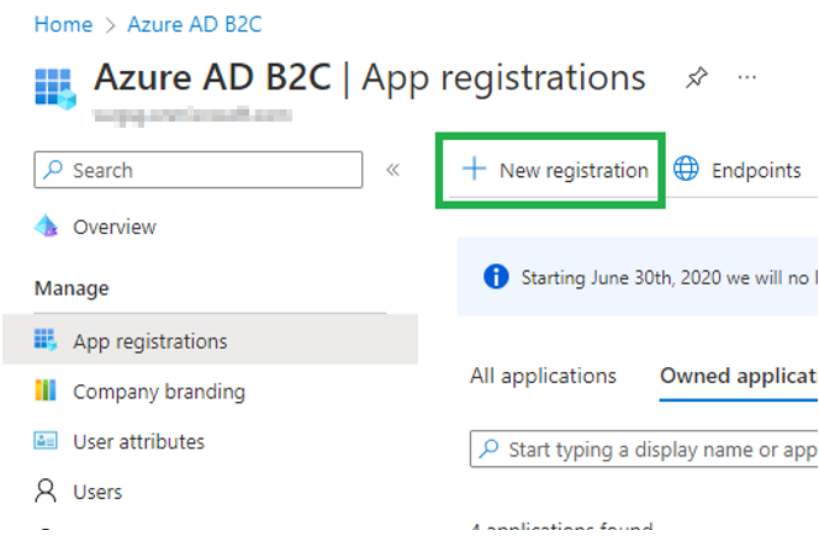
2. Once signed in, search for and access "Azure AD B2C".



3. Click on "App registrations".



4. Click on "New registration".



5. Enter a name and select your preferred account type (single tenant by default).

[Home](#) > [Azure AD B2C | App registrations](#) >

Register an application

* Name

The user-facing display name for this application (this can be changed later).

Monitor G5 1 ✓

Supported account types

Who can use this application or access this API?

- Accounts in this organizational directory only (Single tenant) 2
- Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant)
- Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
- Personal Microsoft accounts only

[Help me choose...](#)

6. Click on the "Register" button.

[Home](#) > [Azure AD B2C | App registrations](#) >

Register an application

* Name

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Monitor G5 ✓

Supported account types

Who can use this application or access this API?

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- Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
- Personal Microsoft accounts only

[Help me choose...](#)

Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

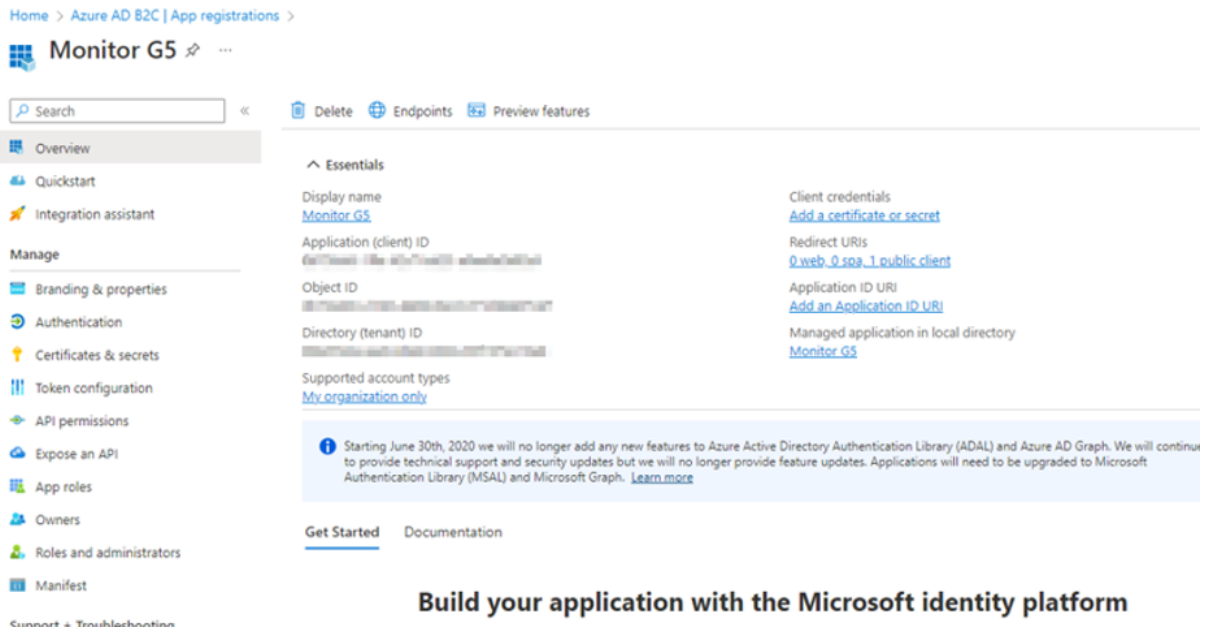
Select a platform e.g. https://example.com/auth

Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from [Enterprise applications](#).

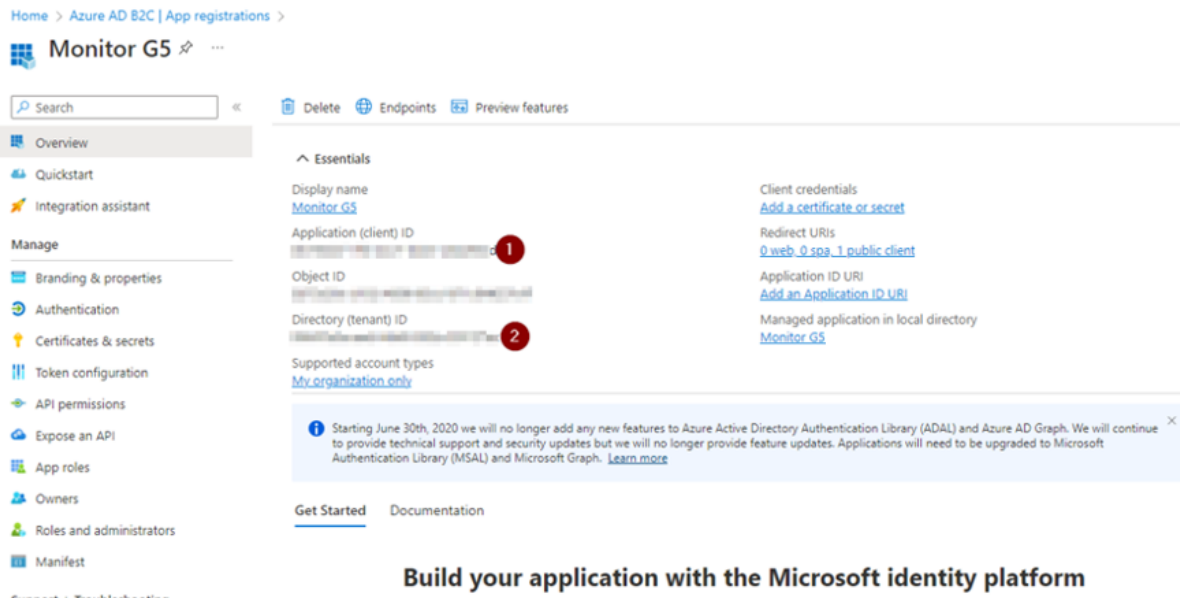
By proceeding, you agree to the [Microsoft Platform Policies](#)

Register

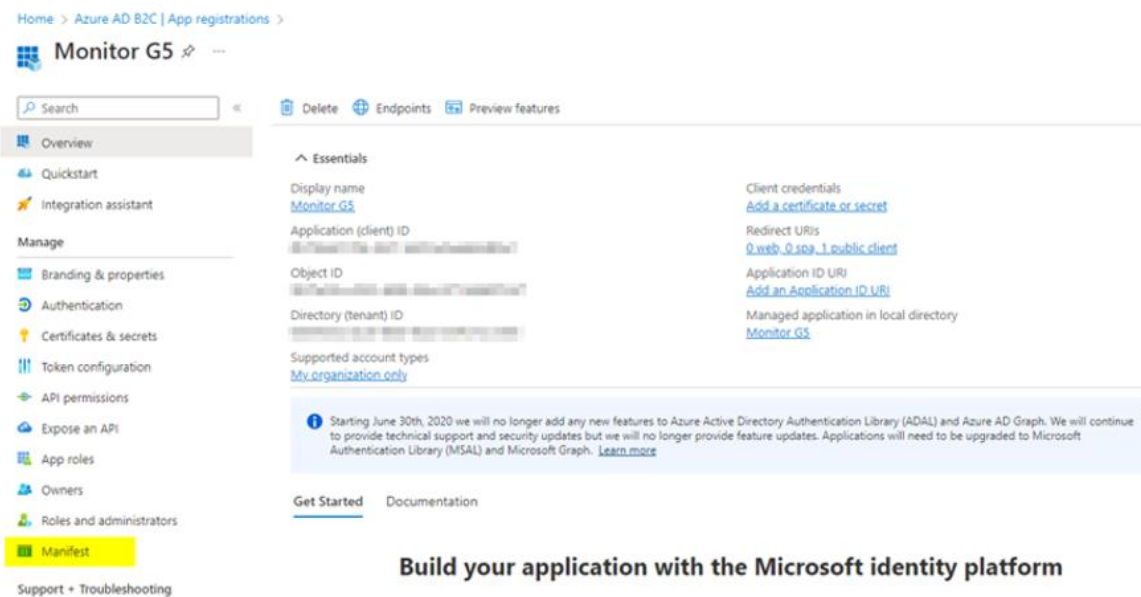
7. You will be forwarded to the menu of the application you just registered, if not – click on the application.



8. Copy the values of the Application (client) ID and Directory (tenant) ID and save them, you will need them later.



9. Click on "Manifest" in the left-hand menu.



10. We need to add the authentication method to our manifest, this can be done by copying and pasting the code found under the section "Configure for delegated authentication" in the documentation from Microsoft.

Refer to – <https://learn.microsoft.com/en-us/exchange/client-developer/exchange-web-services/how-to-authenticate-an-ews-application-by-using-oauth#configure-for-delegated-authentication>.

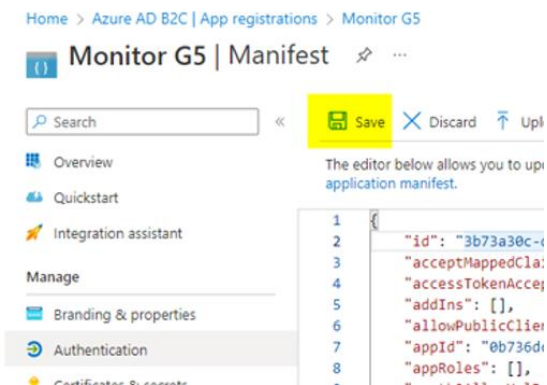
For example, copy and add the delegated authentication code to the "Manifest" as shown below:

```

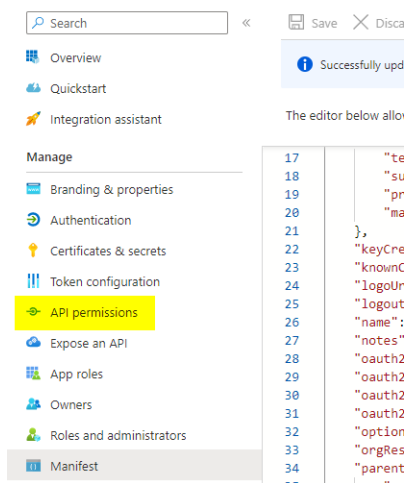
    ],
    "requiredResourceAccess": [
      {
        "resourceAppId": "00000002-0000-0000-0000-000000000000",
        "resourceAccess": [
          {
            "id": "3b5f3d61-589b-4a3c-a359-5dd4b5ee5bd5",
            "type": "Scope"
          }
        ]
      },
      {
        "resourceAppId": "00000003-0000-0000-c000-000000000000",
        "resourceAccess": [
          {
            "id": "e1fe6dd8-ba31-4d61-89e7-88639da4683d",
            "type": "Scope"
          }
        ]
      }
    ]
  },
  ]
}

```

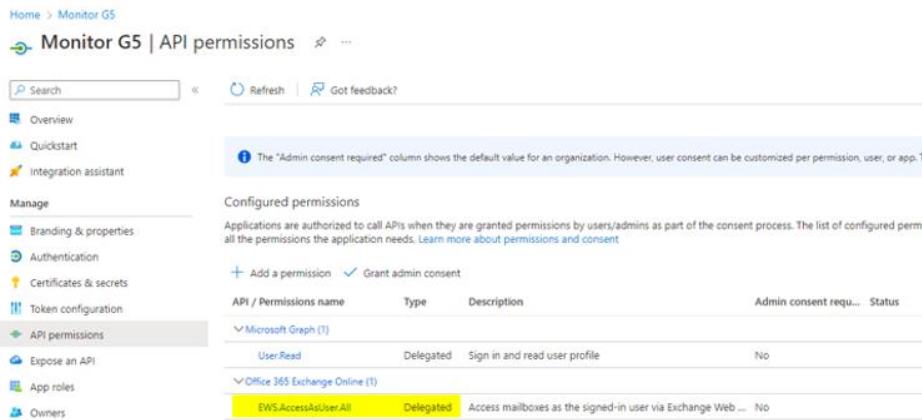
11. Save the "Manifest" settings.



12. Click on "API permissions" in the left-hand menu.

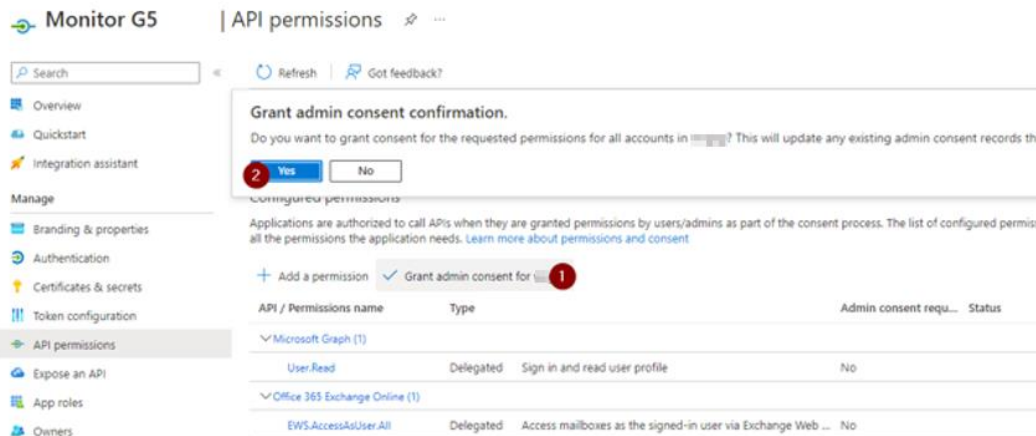


13. Confirm that the permissions have been added (EWS.AccessAsUser.All, Type: Delegated).

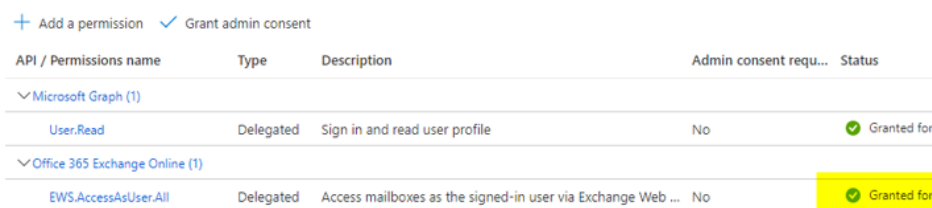


14. Grant admin consent.

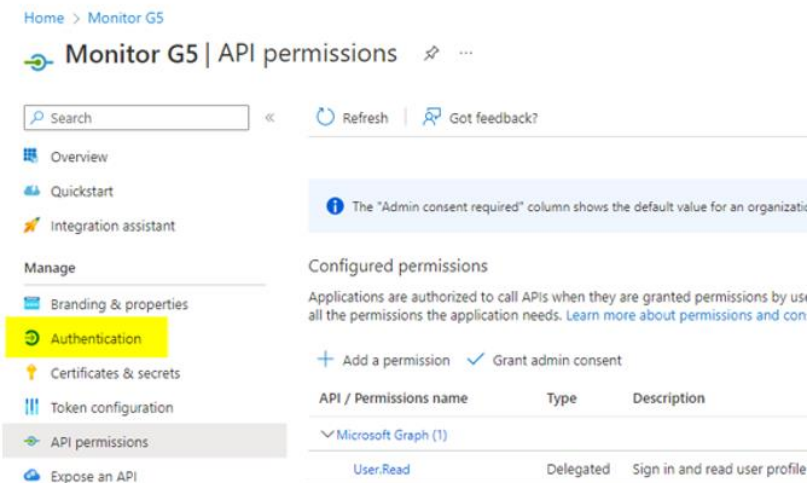
Monitor ERP requires full access to Exchange Online, additional security settings may be applied to adapt the level of security.



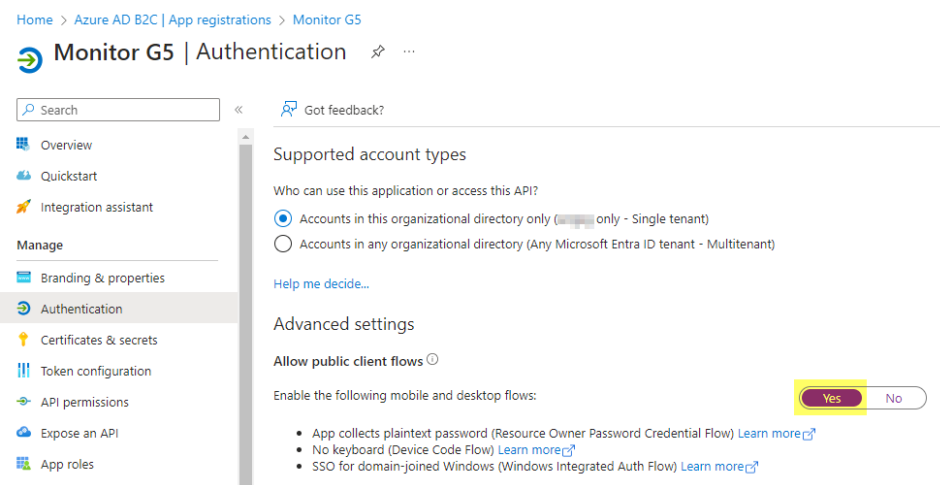
15. Verify that the icon is green.



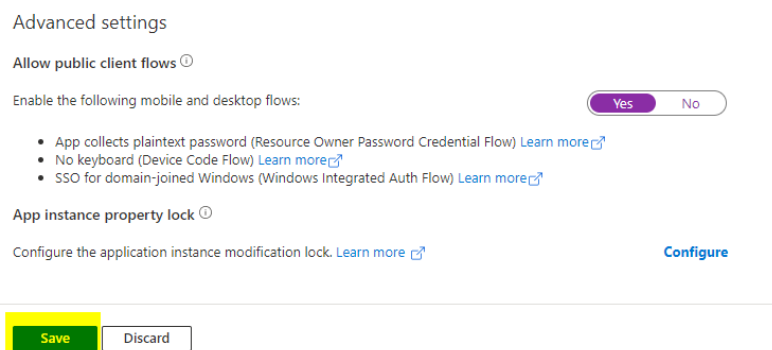
16. Click on "Authentication" in the left-hand menu.



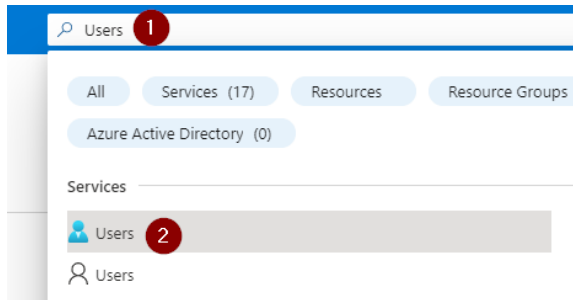
17. Under "Advanced settings", set "Enable the following mobile and desktop flows" to "Yes".



18. Save the settings.

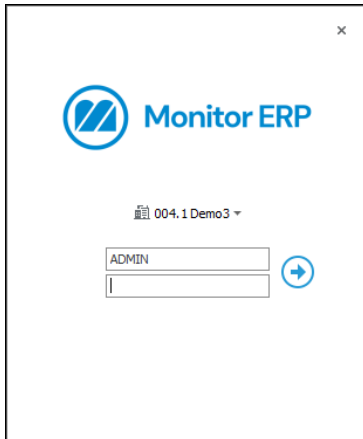


19. Go to "Users", copy an existing e-mail address, then test it in the Monitor ERP client according to the next part.

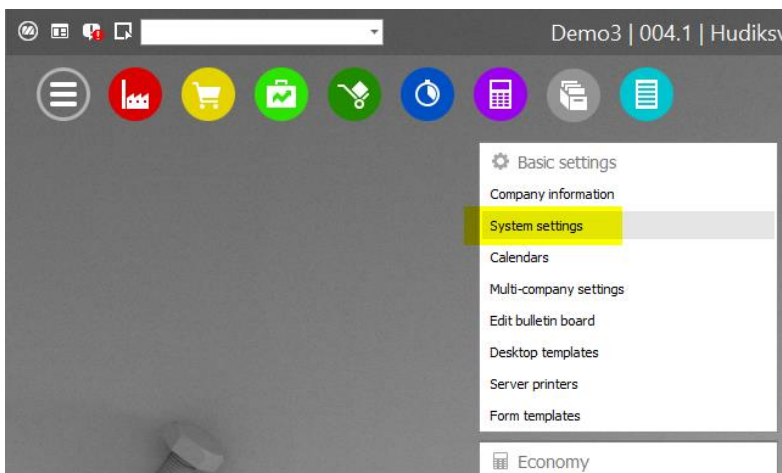


Monitor ERP setup (User name/password method)

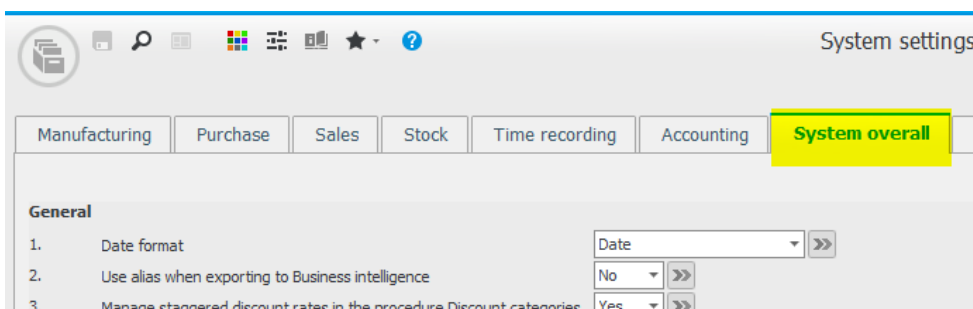
1. Start the Monitor ERP client and sign in with the appropriate admin account.



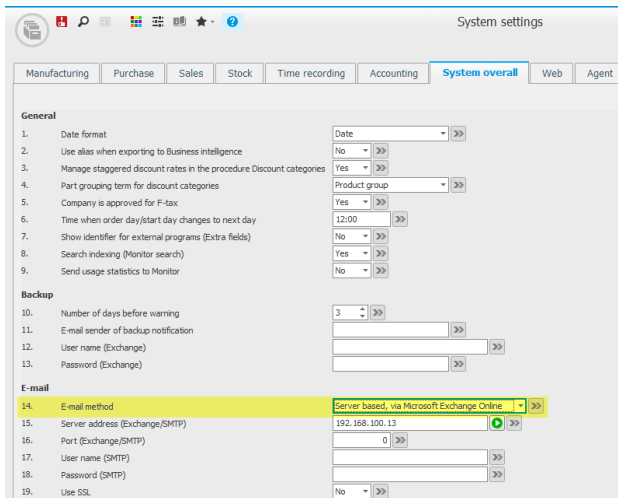
2. Access the "System settings" procedure.



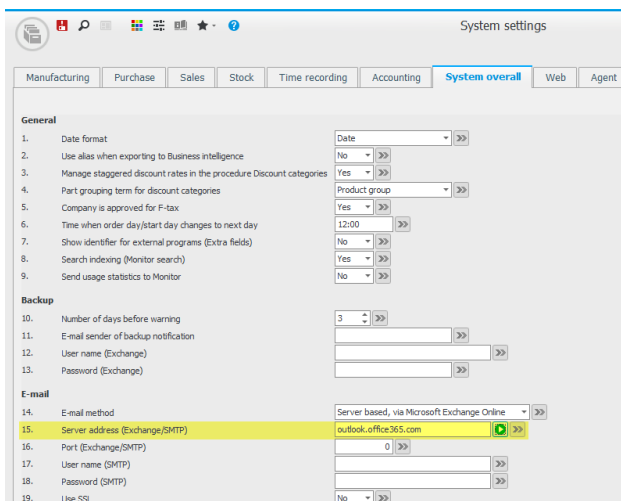
3. Click on the "System overall" tab.



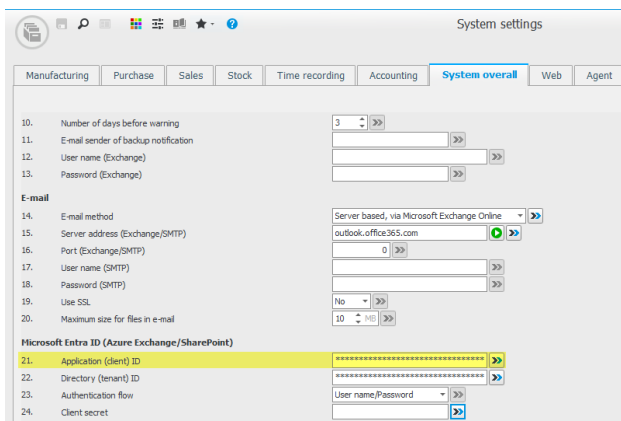
4. In "E-mail method" select "Server based, via Microsoft Exchange Online".



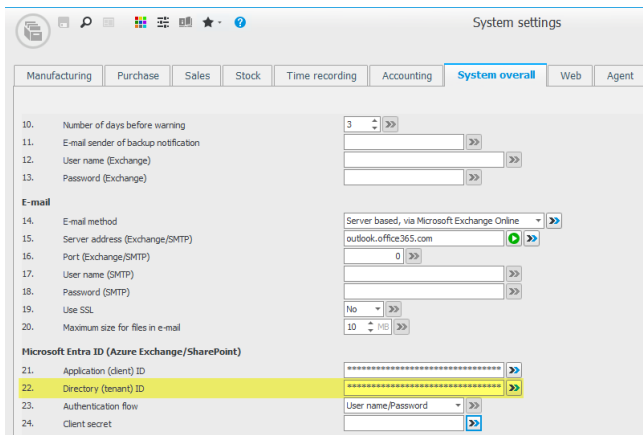
5. Set the server address – outlook.office365.com.



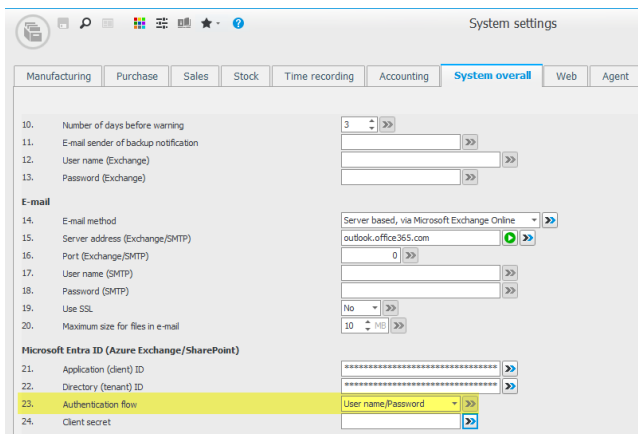
6. Paste the Application (client) ID from Azure in the corresponding field.



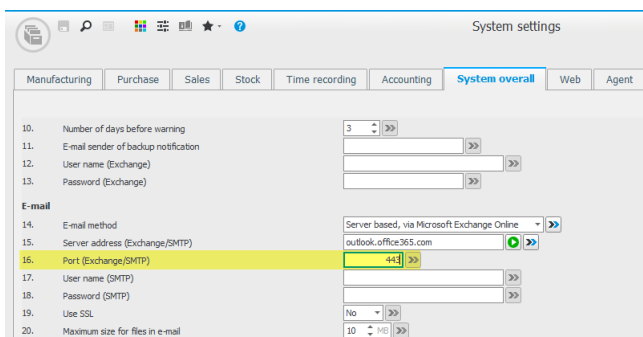
7. Paste the Directory (tenant) ID from Azure in the corresponding field.



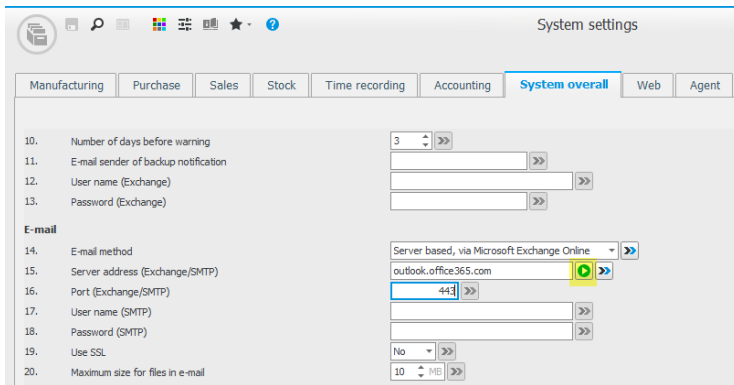
8. In "Authentication flow" select "User name/password".



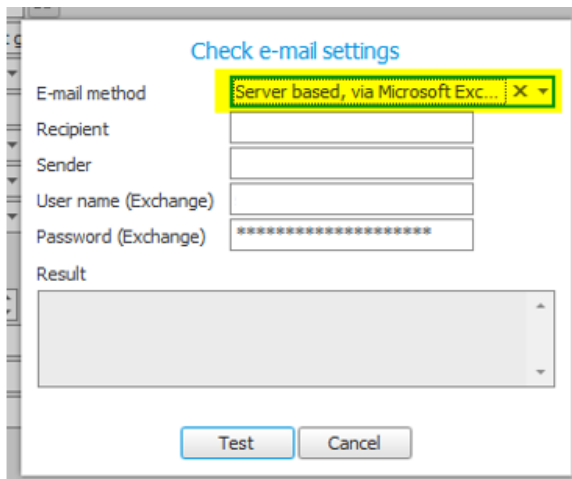
9. The port can be set, for more information refer to <https://learn.microsoft.com/en-us/microsoft-365/enterprise/urls-and-ip-address-ranges?view=o365-worldwide>.



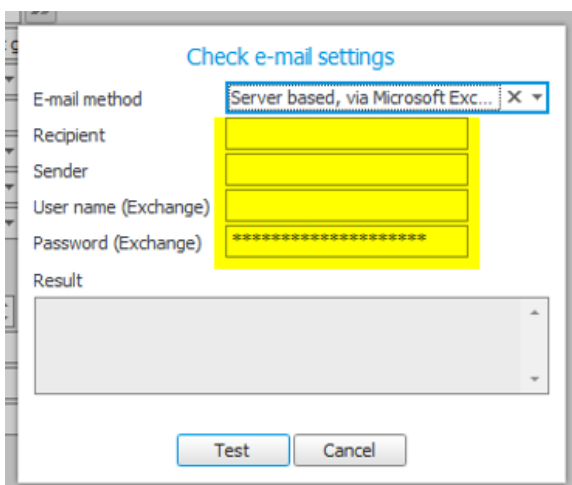
10. Click on the green icon next to the server address to test the settings.



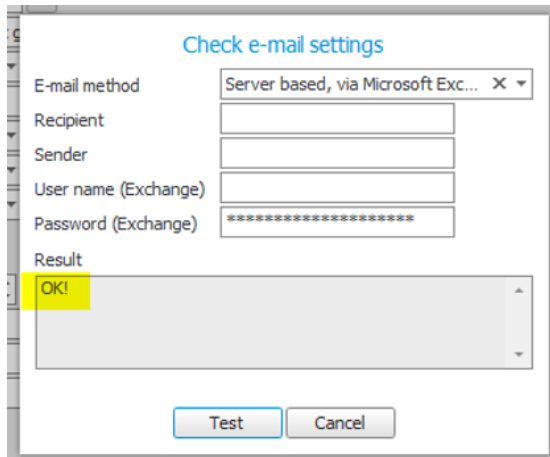
11. Set e-mail method to “Server based, via Microsoft Exchange Online”.



12. Enter a valid recipient, sender, user name and password.



13. Press the "Test" button – the message "OK" will be displayed if everything is set up according to the examples in this document.



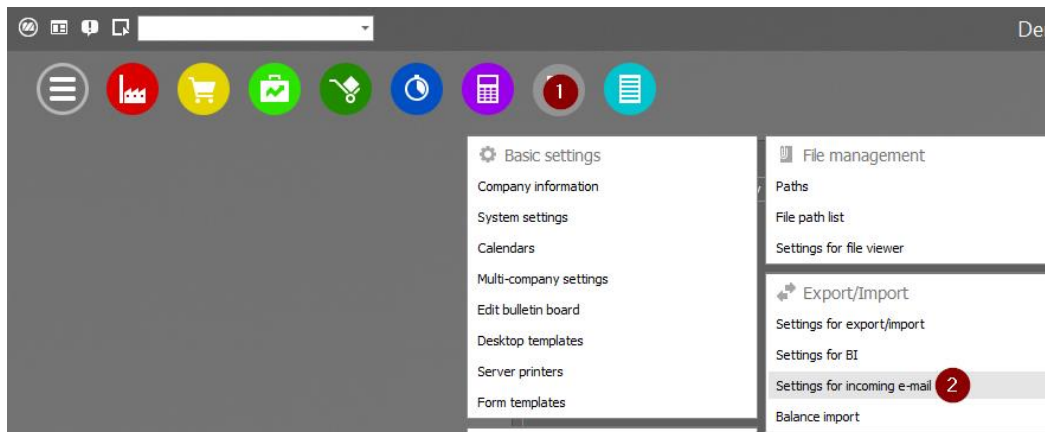
The screenshot shows a dialog box titled "Check e-mail settings". It contains the following fields and controls:

- E-mail method:** A dropdown menu with the selected option "Server based, via Microsoft Exc...".
- Recipient:** An empty text input field.
- Sender:** An empty text input field.
- User name (Exchange):** An empty text input field.
- Password (Exchange):** A text input field filled with asterisks to mask the password.
- Result:** A text area containing the text "OK!".
- Buttons:** "Test" and "Cancel" buttons at the bottom.

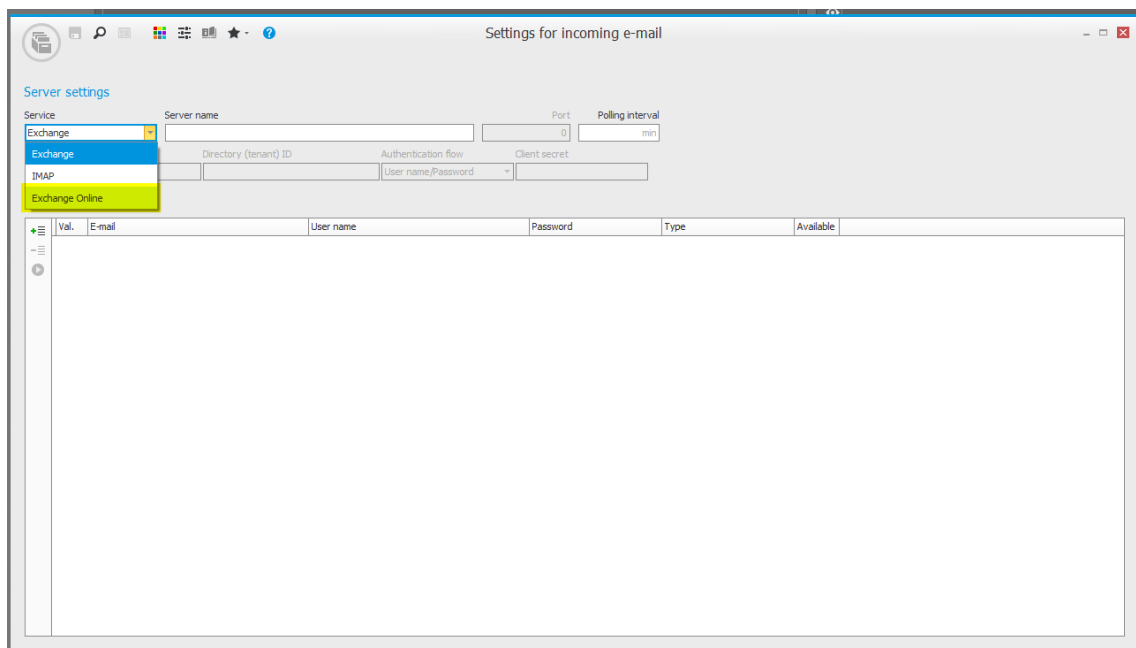
(Please note: If the service has been set up recently you may receive a **403 Forbidden message** due to delays when updating a tenant in Azure Portal. In this case, wait a moment then press "Test" again. If you encounter other messages in the "Result" box, please refer to the online documentation by Microsoft).

Settings for incoming e-mail (User name/password method)

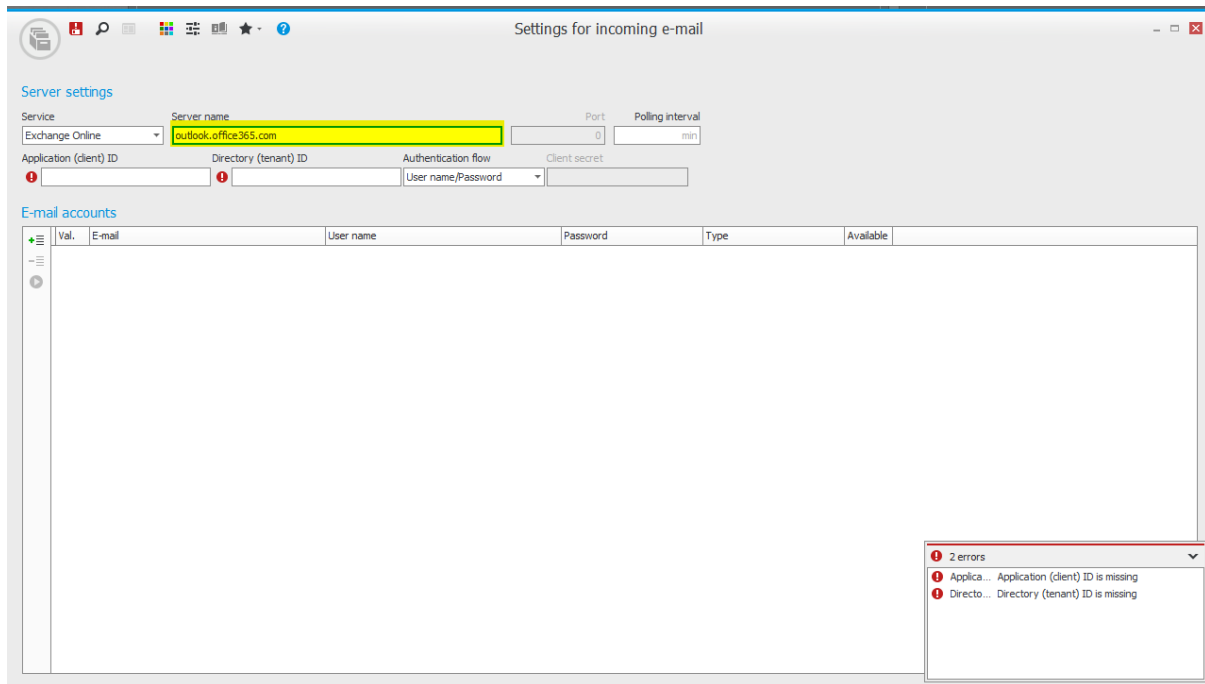
1. Access the “Settings for incoming e-mail” procedure.



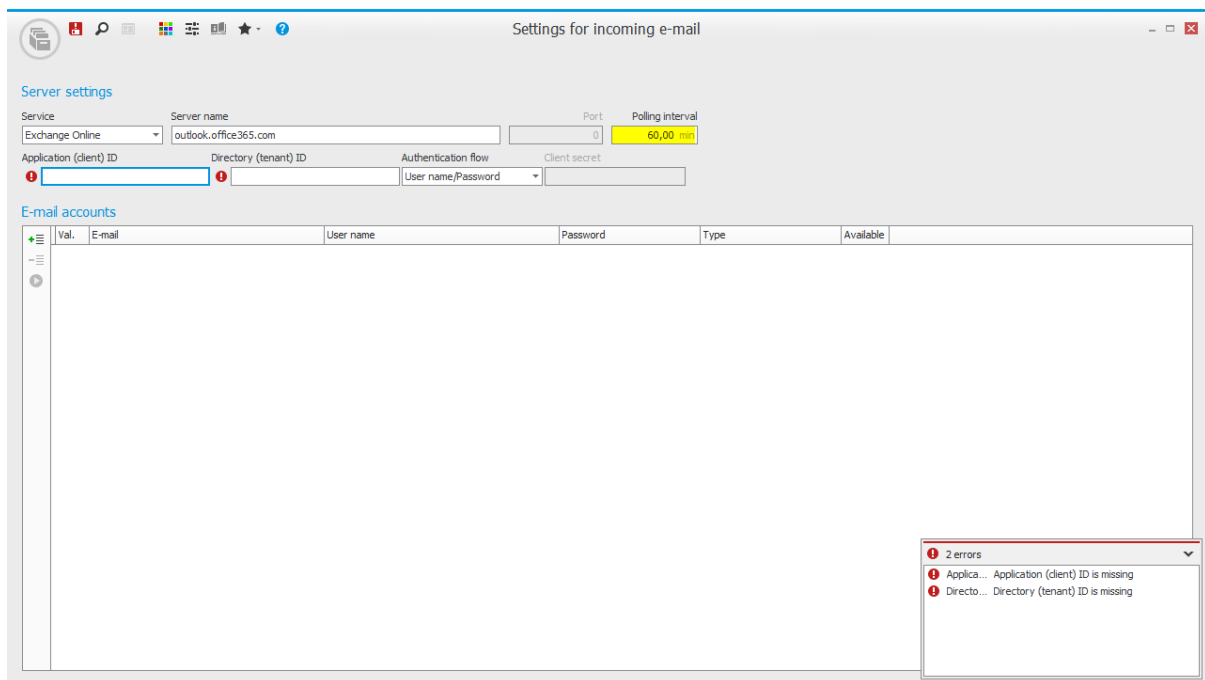
2. Under “Service” select “Exchange Online”.



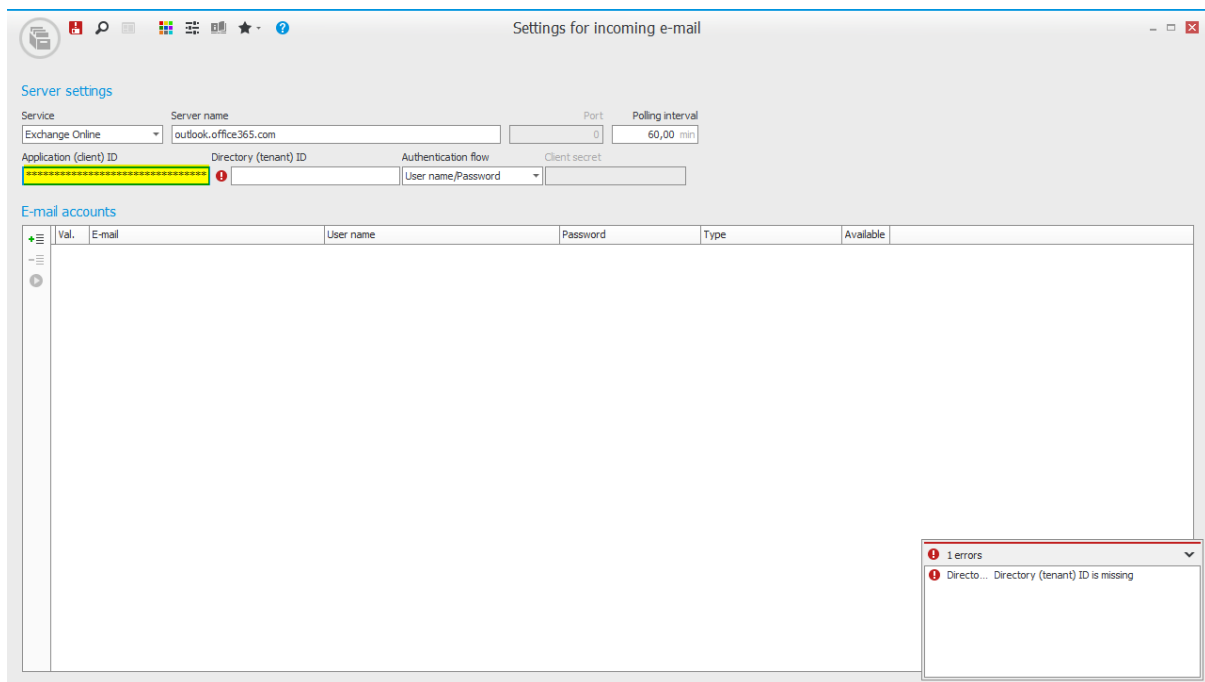
3. Enter the URL to the server – for example outlook.office365.com.



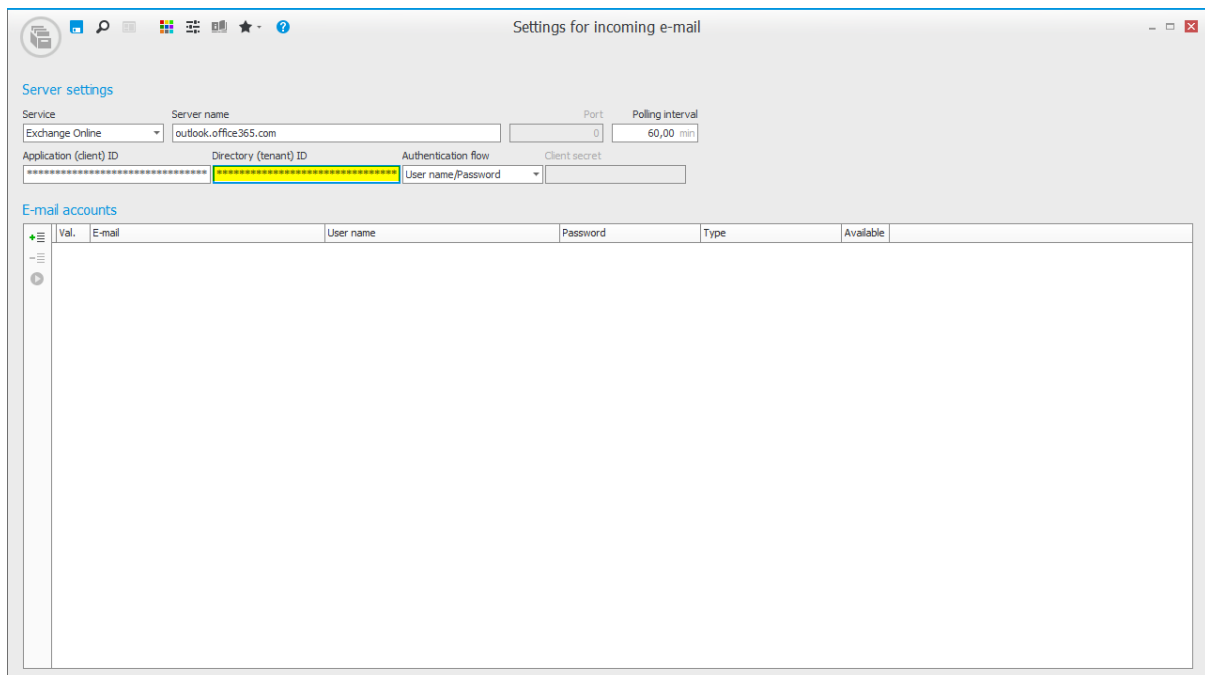
4. Set a pooling interval (in minutes) according to your requirements. In our example we set this to 60,00 to check for new e-mails on the server once every hour.



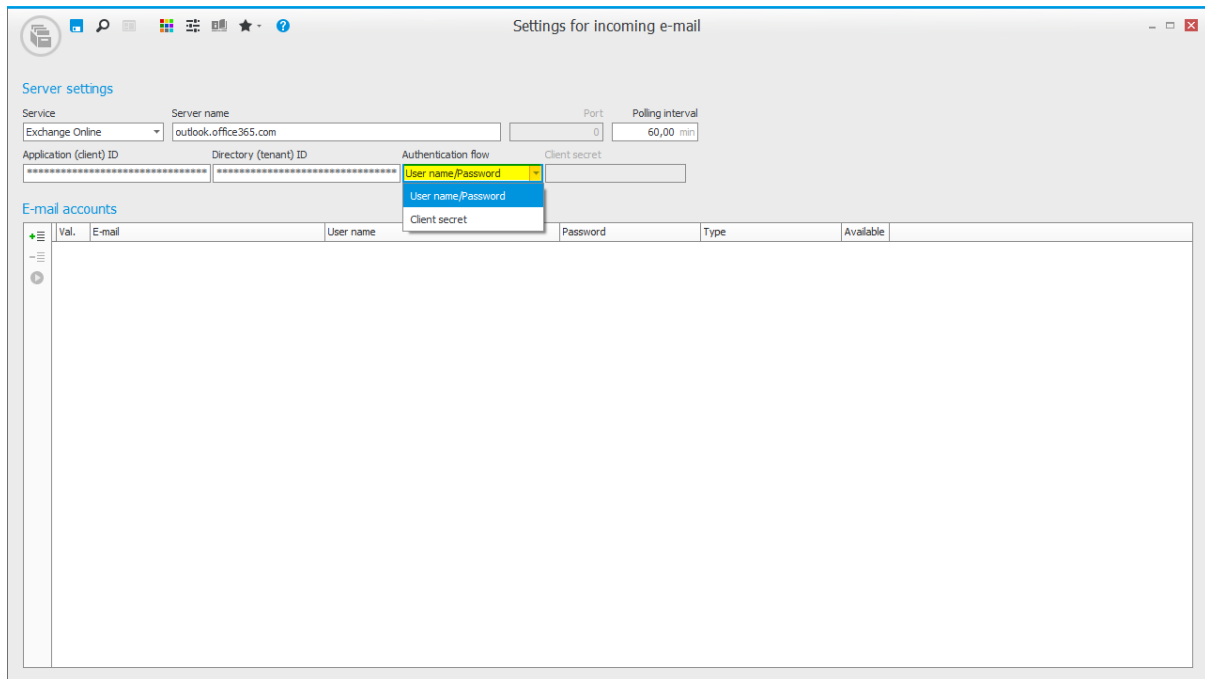
5. Enter the Application (client) ID.



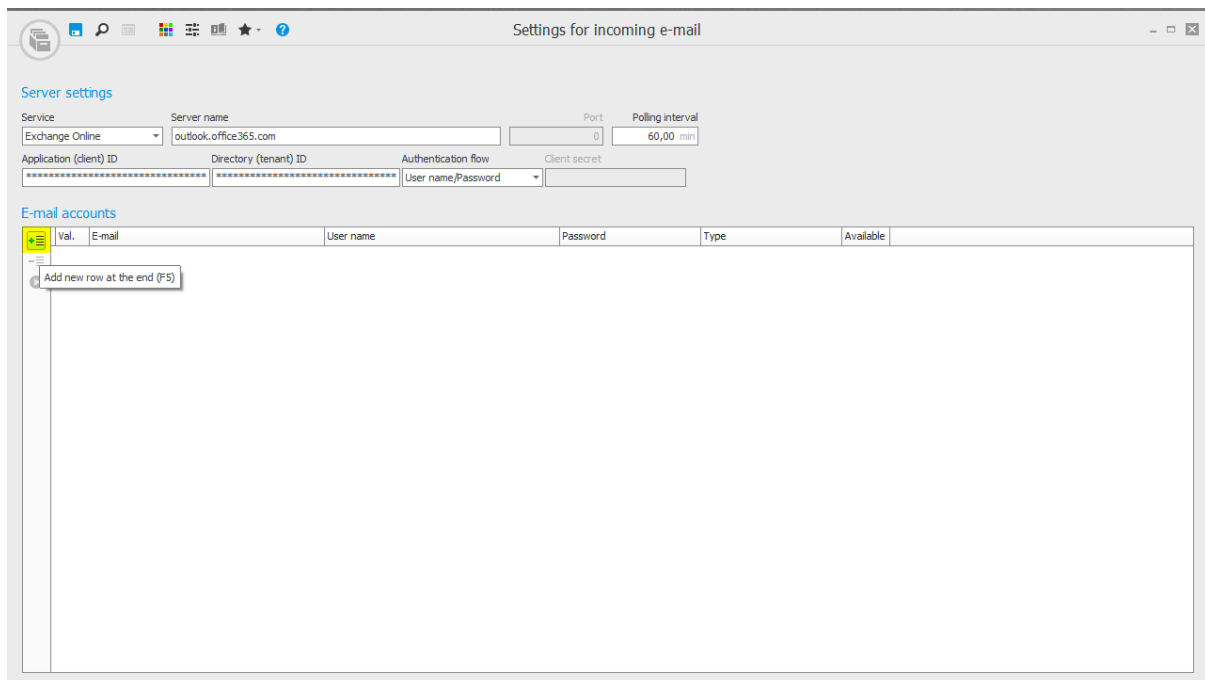
6. Enter the Directory (tenant) ID.



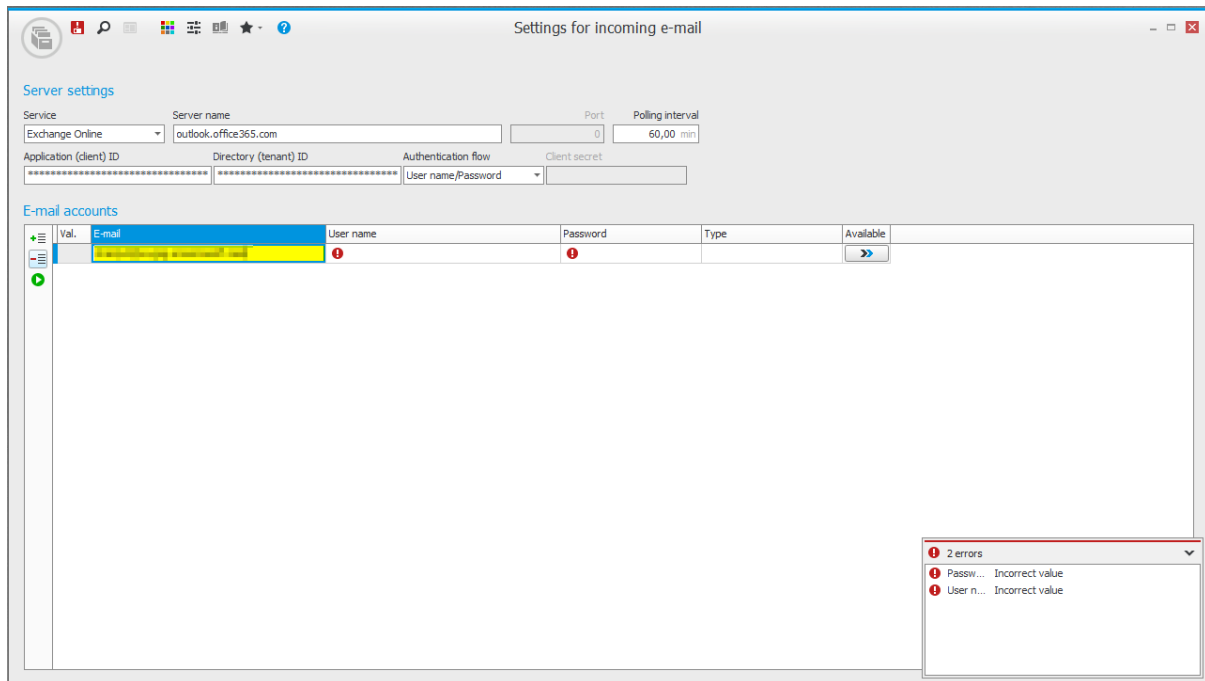
7. "Authentication flow" should be set to "User name/Password".



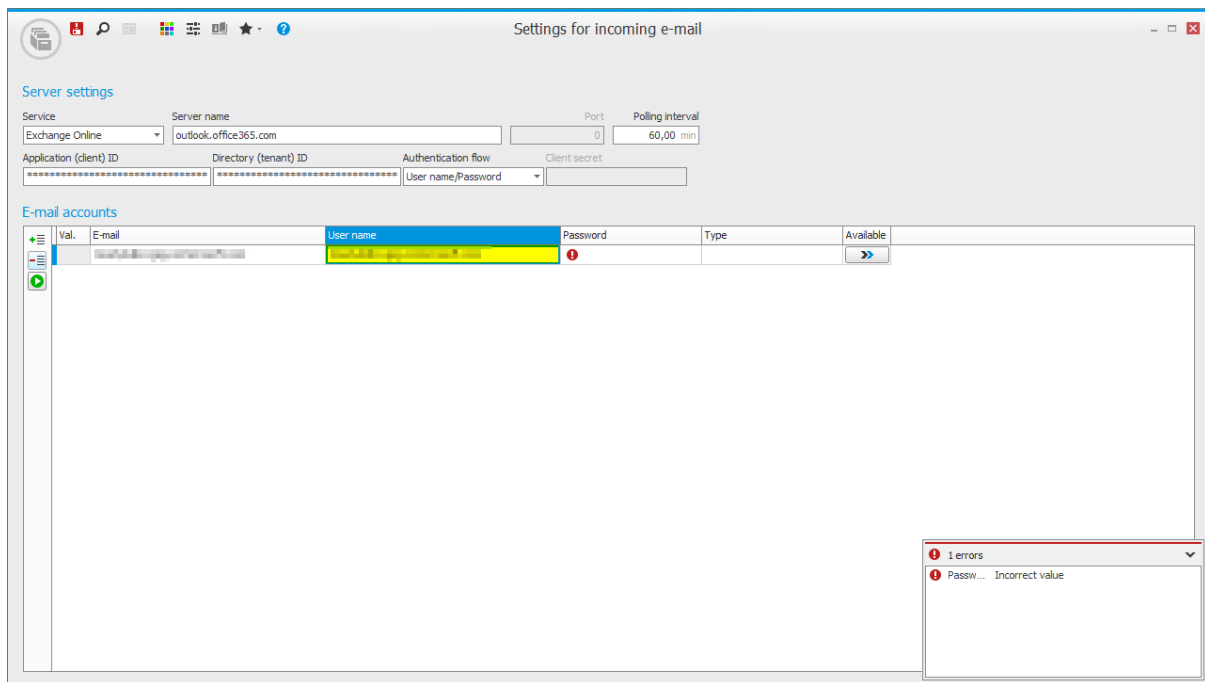
8. Add an e-mail account by pressing the plus icon or F5 on your keyboard.



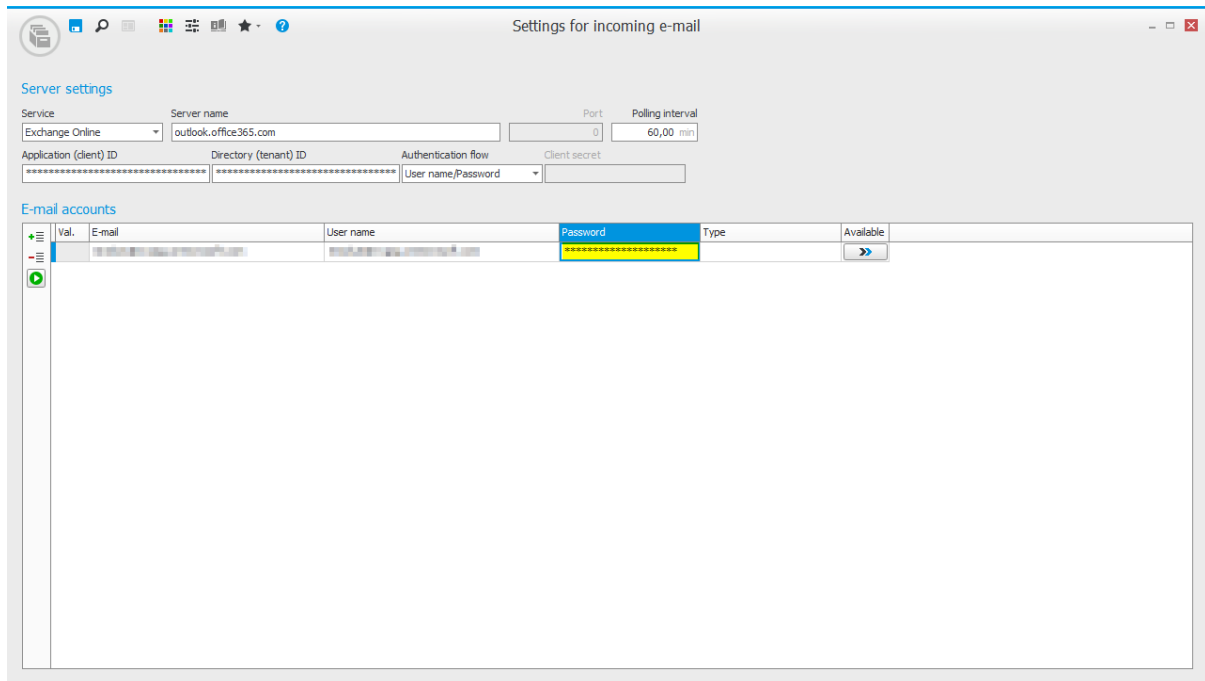
9. Enter the e-mail address.



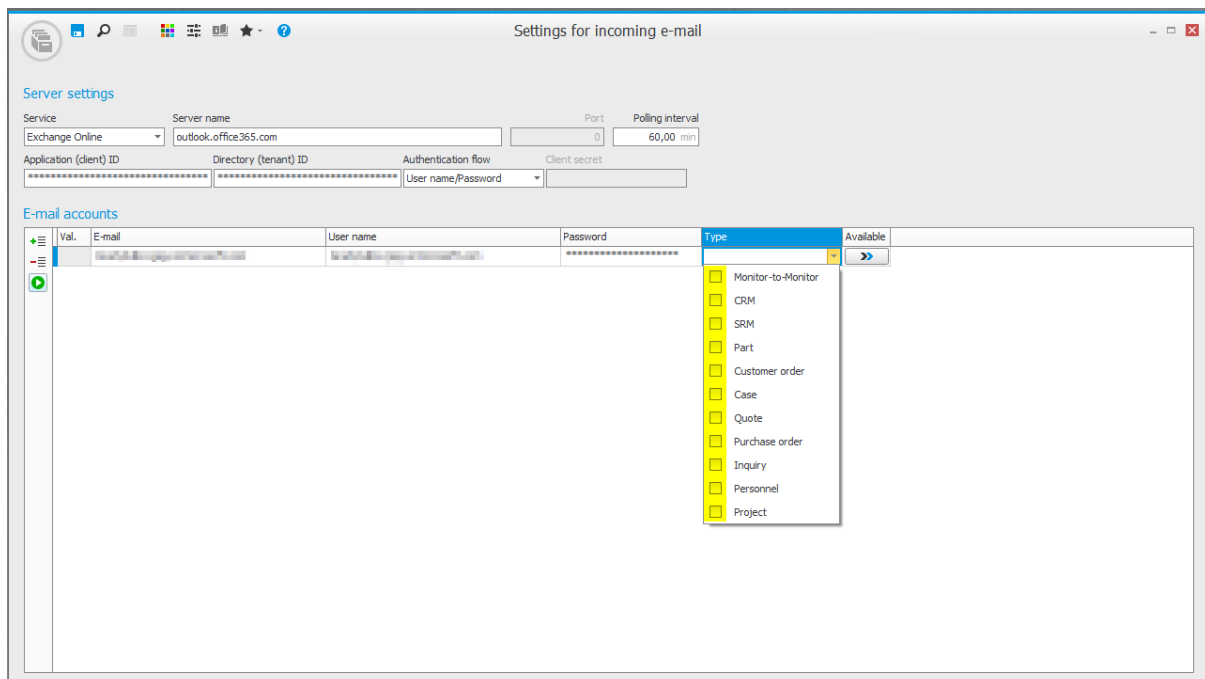
10. Enter the user name.



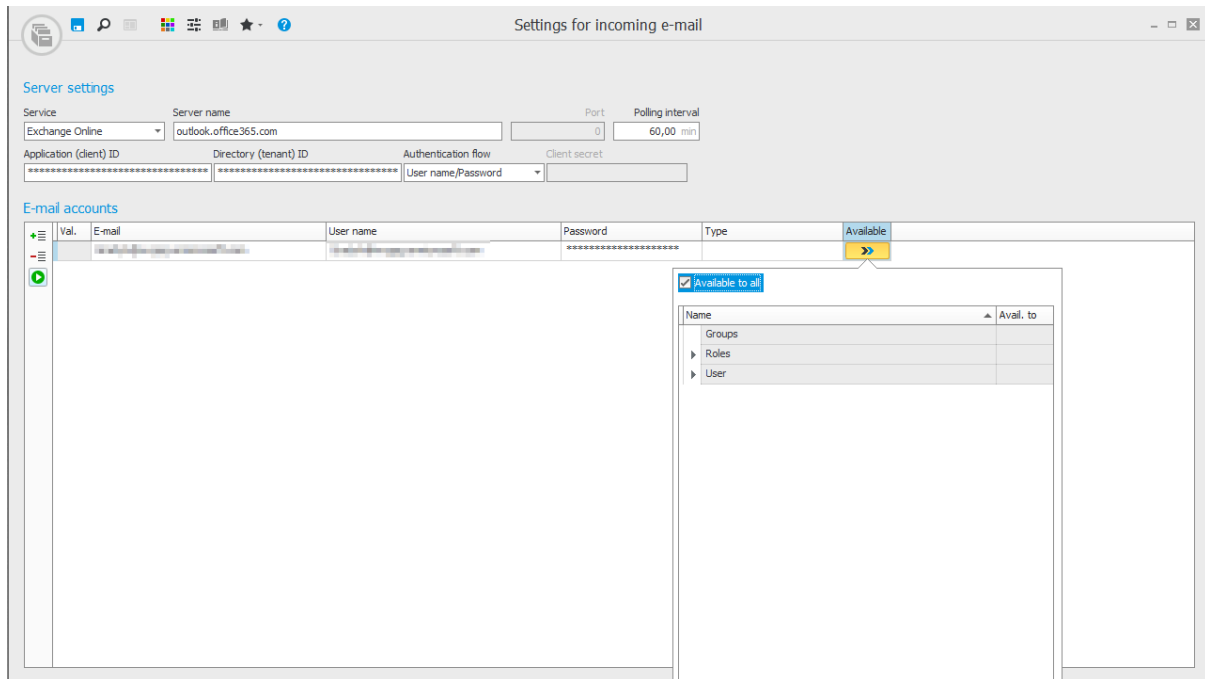
11. Enter the password.



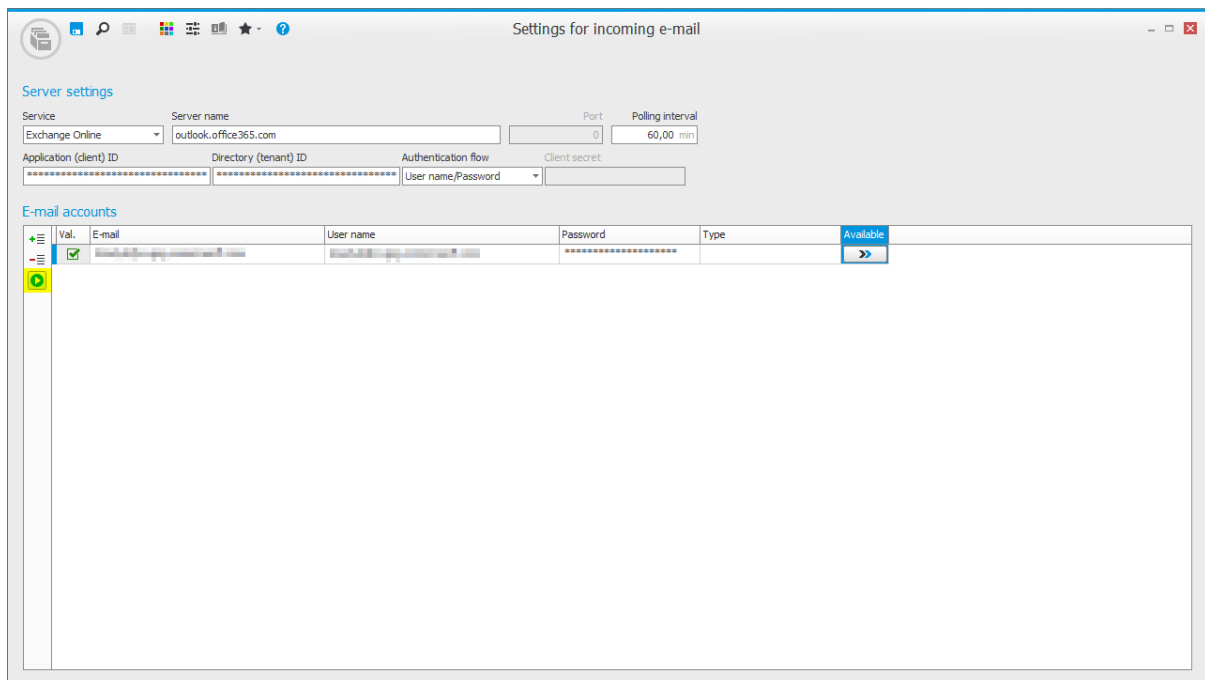
12. Select all "Types" that apply to your configuration of Monitor ERP, for example "Monitor-to-Monitor".



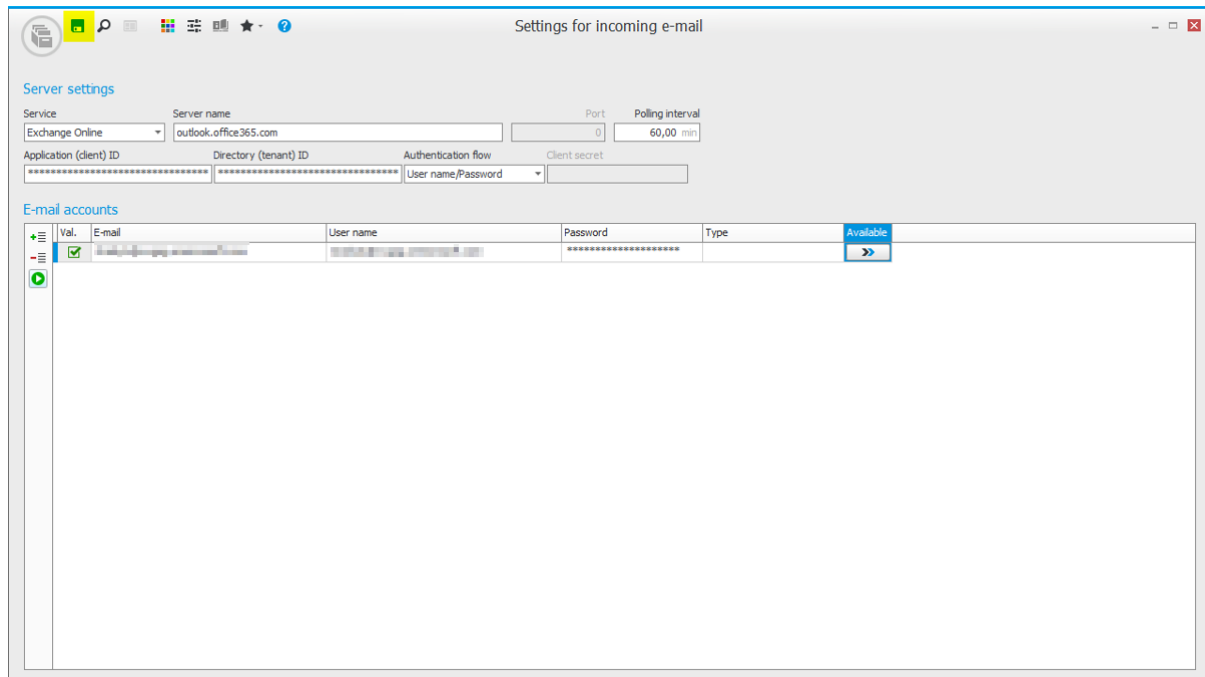
13. Click on "Available" and set your preferred permissions ("Available to all" by default).



14. Press the green icon to validate the selected address.



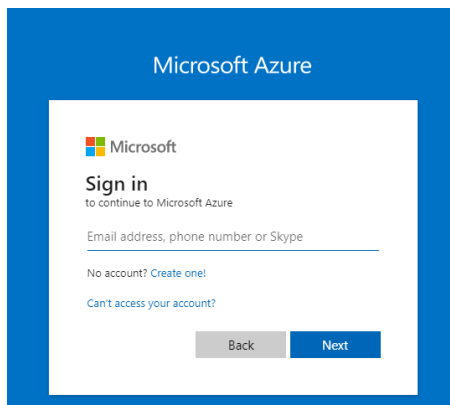
15. Press "Save" then close the procedure.



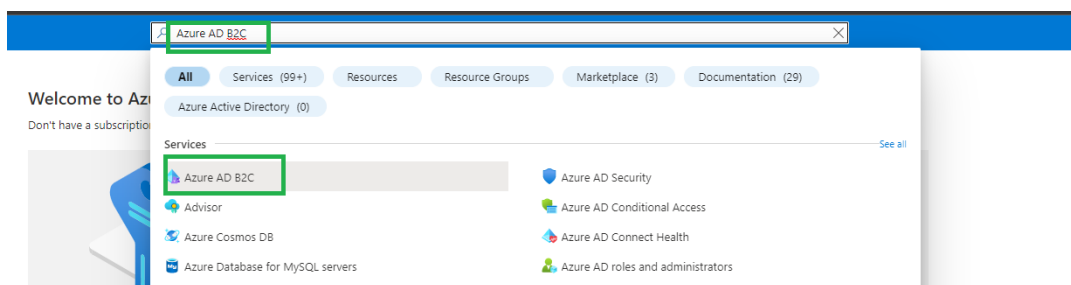
Client secret authentication

Azure Portal setup

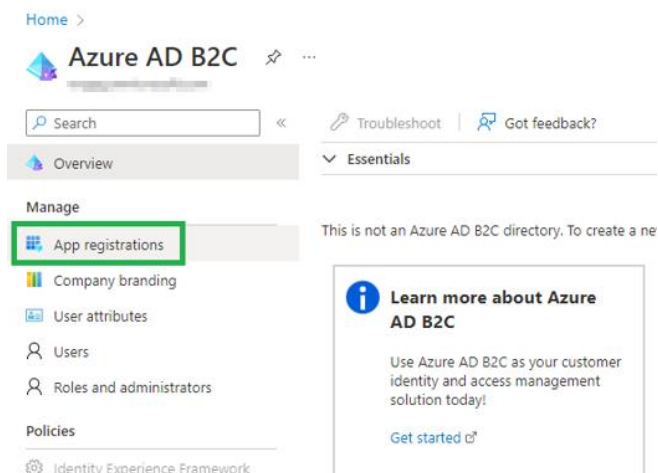
1. Sign in with an existing Azure account at <https://portal.azure.com>.



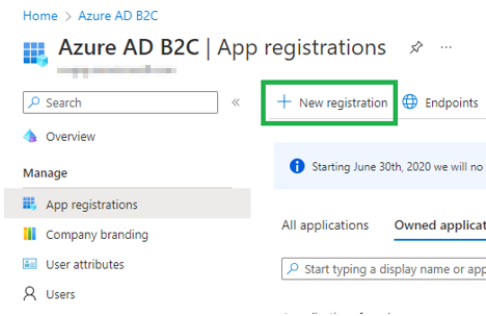
2. Once signed in, search for and access "Azure AD B2C".



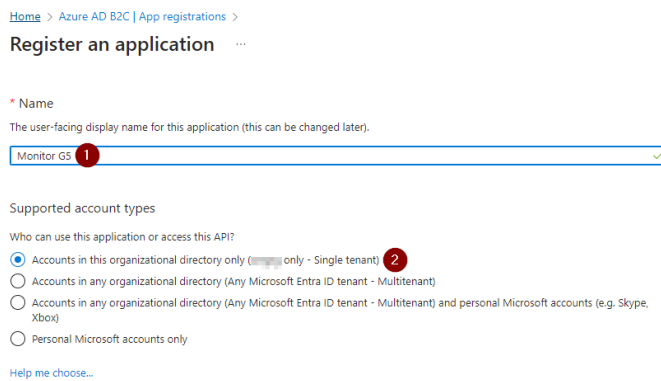
3. Click on "App registrations".



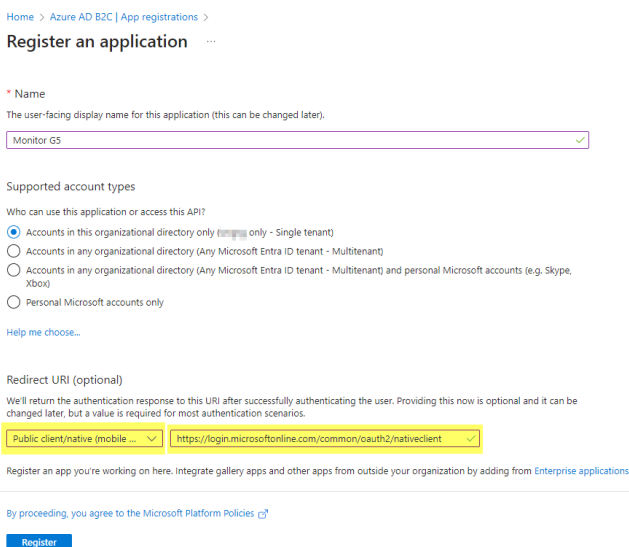
4. Click on "New registration".



5. Enter a name and select your preferred account type (set to single tenant by default).



6. Enter the appropriate "Redirect URI" – for example, select "Public client/native (mobile & desktop)" and at the URL <https://login.microsoftonline.com/common/oauth2/nativeclient>. Refer to – <https://learn.microsoft.com/en-us/azure/active-directory/develop/reply-url>.



7. Click on the "Register" button.

Home > Azure AD B2C | App registrations >

Register an application

* Name
The user-facing display name for this application (this can be changed later).

Monitor G5

Supported account types
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- Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant)
- Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
- Personal Microsoft accounts only

[Help me choose...](#)

Redirect URI (optional)
We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

Public client/native (mobile ... | https://login.microsoftonline.com/common/oauth2/nativeclient

Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from [Enterprise applications](#).

By proceeding, you agree to the [Microsoft Platform Policies](#)

Register

8. You will be forwarded to the menu of the application you just registered, if not – click on the application.

Home > Azure AD B2C | App registrations >

Monitor G5

Search | Delete | Endpoints | Preview features

- Overview
- Quickstart
- Integration assistant
- Manage
 - Branding & properties
 - Authentication
 - Certificates & secrets
 - Token configuration
 - API permissions
 - Expose an API
 - App roles
 - Owners
 - Roles and administrators
 - Manifest
- Support + Troubleshooting
 - Troubleshooting
 - New support request

Essentials

Display name
[Monitor G5](#)

Application (client) ID
[Redacted]

Object ID
[Redacted]

Directory (tenant) ID
[Redacted]

Supported account types
[My organization only](#)

Client credentials
[Add a certificate or secret](#)

Redirect URIs
[0 web, 0 spa, 1 public client](#)

Application ID URI
[Add an Application ID URI](#)

Managed application in local directory
[Monitor G5](#)

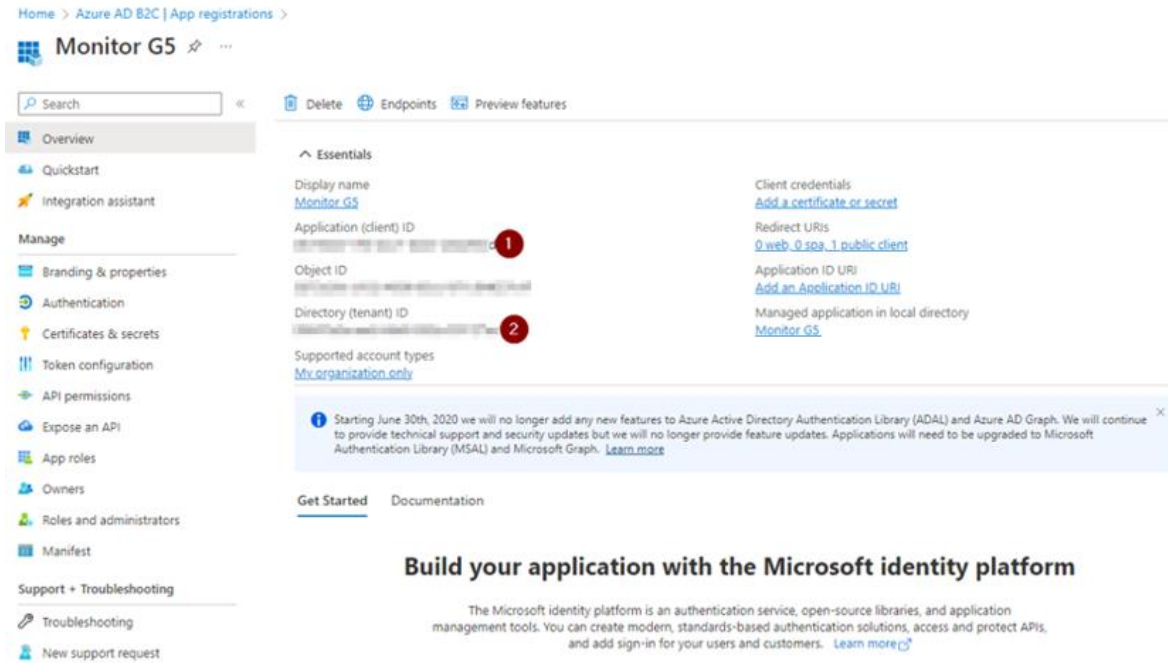
Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure AD Graph. We will continue to provide technical support and security updates but we will no longer provide feature updates. Applications will need to be upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph. [Learn more](#)

[Get Started](#) | [Documentation](#)

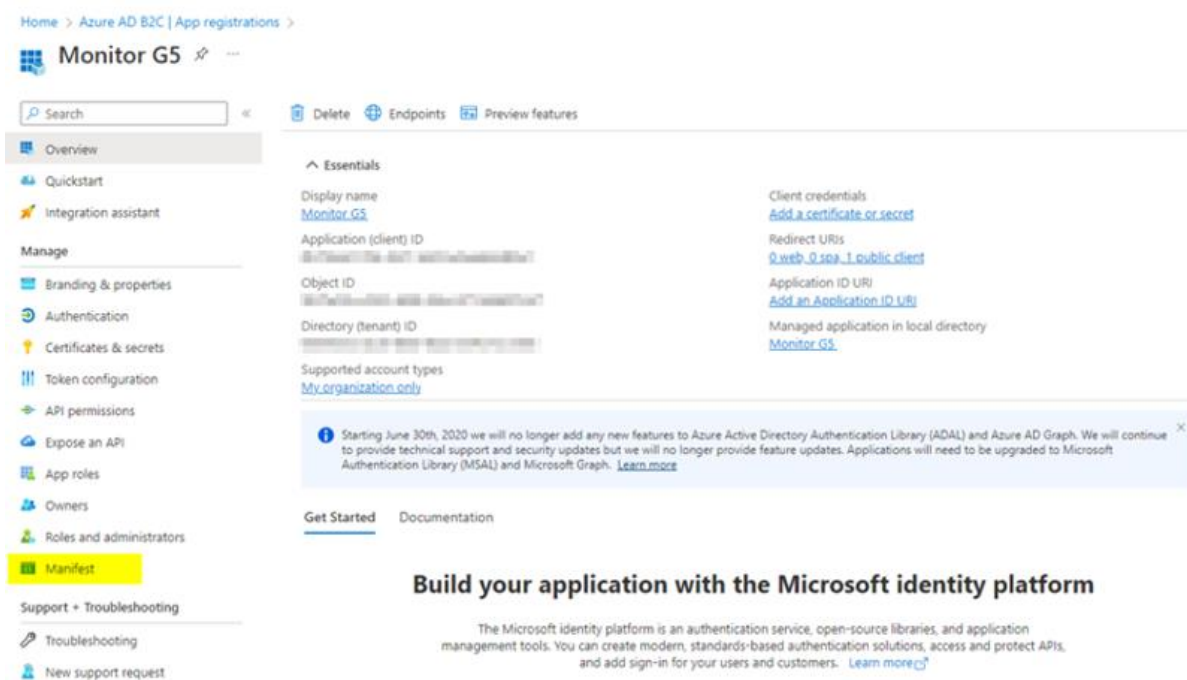
Build your application with the Microsoft identity platform

The Microsoft identity platform is an authentication service, open-source libraries, and application management tools. You can create modern, standards-based authentication solutions, access and protect APIs, and add sign-in for your users and customers. [Learn more](#)

9. Copy the values of the Application (client) ID and Directory (tenant) ID and save them, you will need them later.



10. Click on "Manifest" in the left-hand menu.



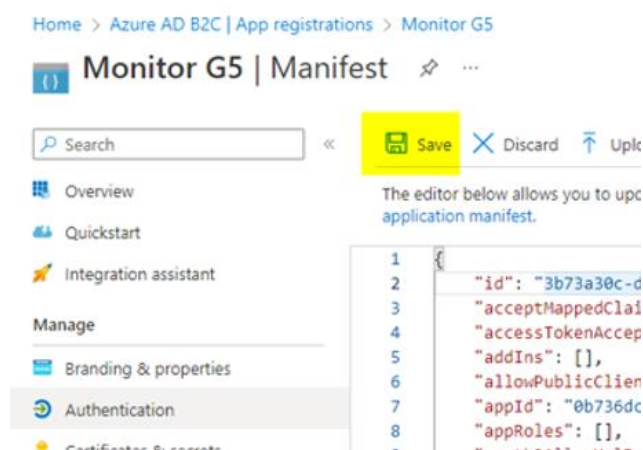
11. We need to add the authentication method to our manifest, this can be done by copying and pasting the code found under the section "Configure for app-only authentication" in the documentation from Microsoft.

Refer to – <https://learn.microsoft.com/en-us/exchange/client-developer/exchange-web-services/how-to-authenticate-an-ews-application-by-using-oauth#configure-for-app-only-authentication>.

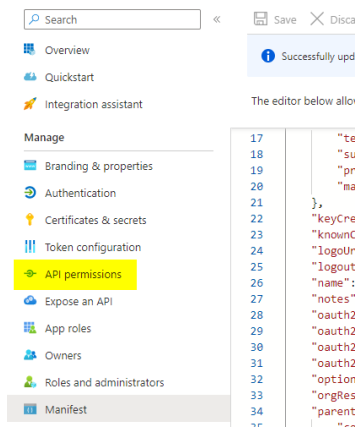
For example, copy and add the app-only authentication code to the "Manifest" then save.

```
    },
    "requiredResourceAccess": [
      {
        "resourceAppId": "00000002-0000-0ff1-ce00-000000000000",
        "resourceAccess": [
          {
            "id": "dc890d15-9560-4a4c-9b7f-a736ec74ec40",
            "type": "Role"
          }
        ]
      }
    ],
    {
      "resourceAppId": "00000003-0000-0000-c000-000000000000",
      "resourceAccess": [
        {
          "id": "e1fe6dd8-ba31-4d61-89e7-88639da4683d",
          "type": "Scope"
        }
      ]
    }
  ],
}
```

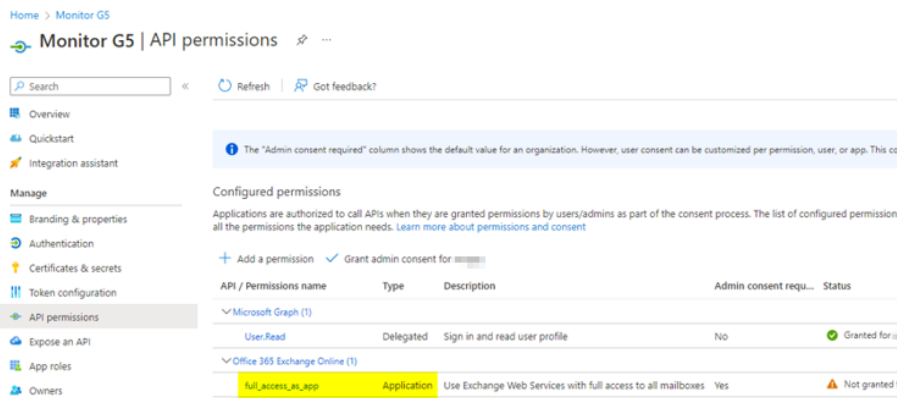
12. Save the "Manifest" settings.



13. Click on "API permissions" in the left-hand menu.

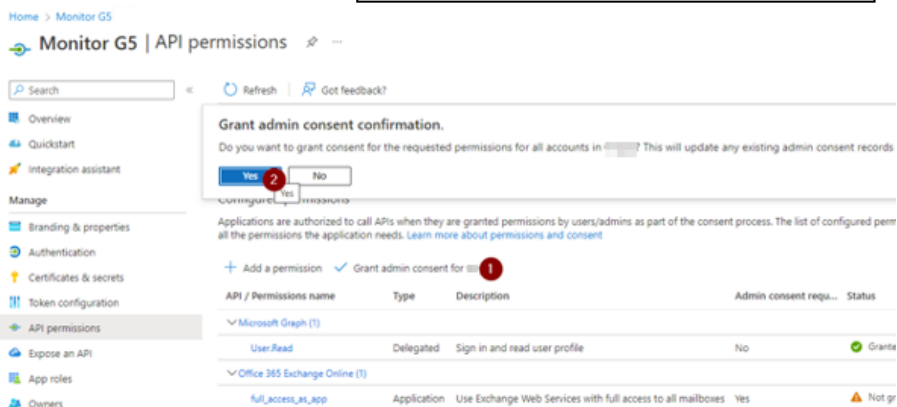


14. Confirm that the permissions have been added (**full_access_as_app**, Type: **Application**).



15. Grant admin consent.

Monitor ERP **requires full access** to Exchange Web Services, additional security settings can be applied to adapt the level of security.



16. Verify that the icon is green.

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permission all the permissions the application needs. [Learn more about permissions and consent](#)

+ Add a permission ✓ Grant admin consent for █████

API / Permissions name	Type	Description	Admin consent requ...	Status
▼ Microsoft Graph (1)				
User.Read	Delegated	Sign in and read user profile	No	✔ Granted for v
▼ Office 365 Exchange Online (1)				
full_access_as_app	Application	Use Exchange Web Services with full access to all mailboxes	Yes	✔ Granted for v

17. Click on "Authentication" in the left-hand menu.

Home > Monitor G5

Monitor G5 | API permissions

Search ☐ Refresh Got feedback?

- Overview
- Quickstart
- Integration assistant
- Manage
 - Branding & properties
 - Authentication**
 - Certificates & secrets
 - Token configuration

Configured permissions

Applications are authorized to call APIs when they a all the permissions the application needs. [Learn moi](#)

+ Add a permission ✓ Grant admin consent

API / Permissions name	Type
------------------------	------

18. Under "Advanced settings", set "Enable the following mobile and desktop flows" to "No".

Home > Azure AD B2C | App registrations > Monitor G5

Monitor G5 | Authentication

Search ☐ Got feedback?

- Integration assistant
- Manage
 - Branding & properties
 - Authentication**
 - Certificates & secrets
 - Token configuration
 - API permissions
 - Expose an API
 - App roles
 - Owners
 - Roles and administrators
 - Manifest

Advanced settings

Allow public client flows

Enable the following mobile and desktop flows: Yes **No**

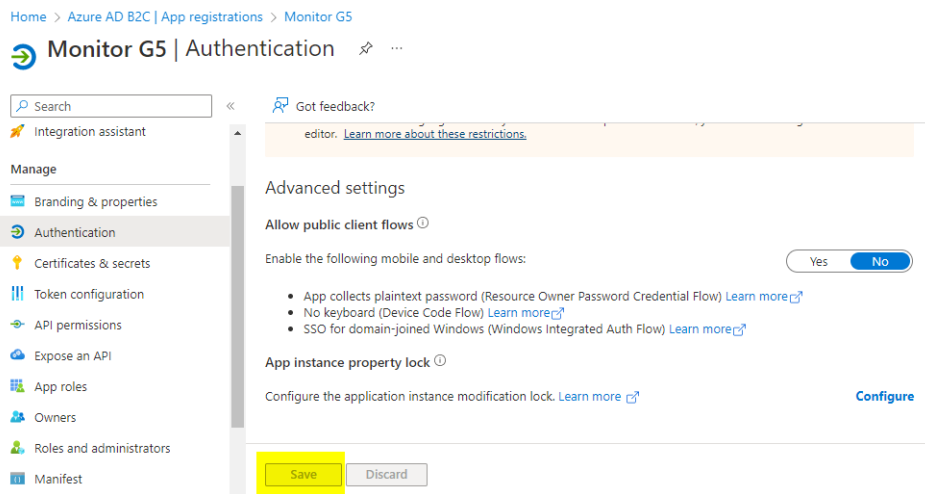
- App collects plaintext password (Resource Owner Password Credential Flow) [Learn more](#)
- No keyboard (Device Code Flow) [Learn more](#)
- SSO for domain-joined Windows (Windows Integrated Auth Flow) [Learn more](#)

App instance property lock

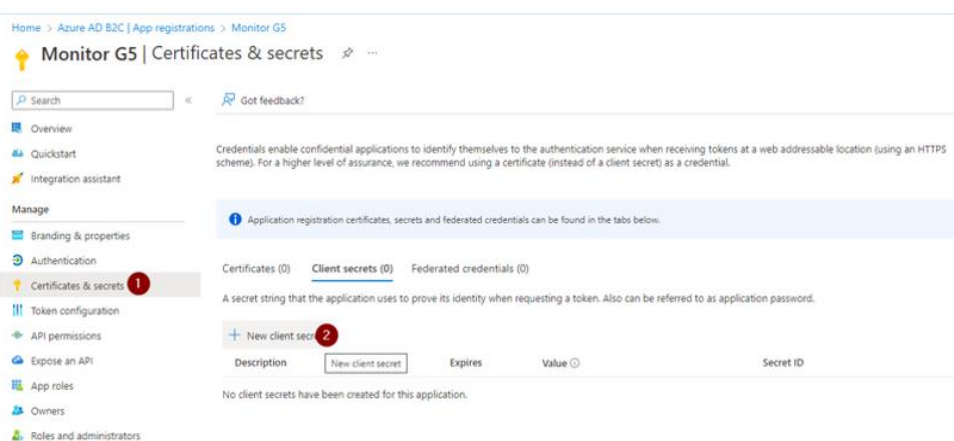
Configure the application instance modification lock. [Learn more](#) Configure

Save Discard

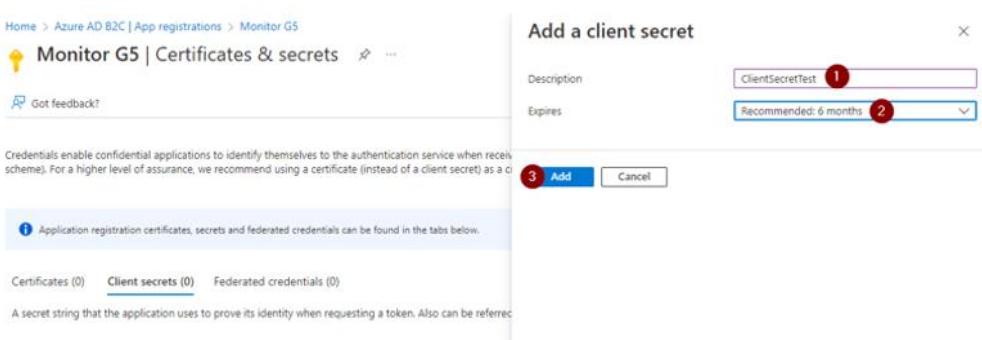
19. Save the settings.



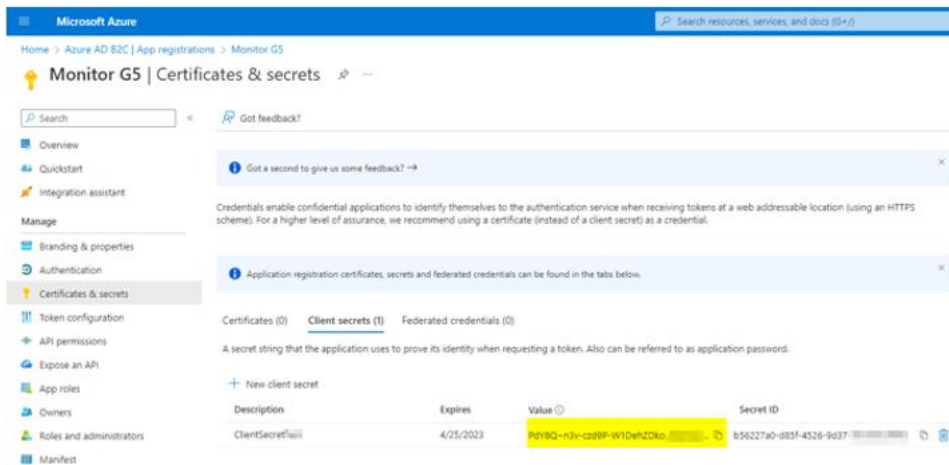
20. Access “Certificates & secrets” in the left-hand menu and click on “New client secret”.



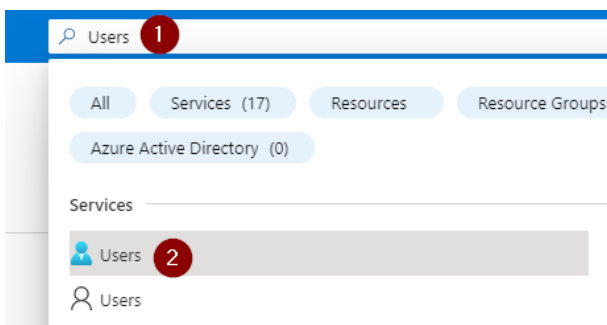
21. Enter a name and set a preferred client secret expiration, then click “Add”.



22. Note that **the client secret can only be copied once** – copy the content in “Value” and store it in a safe place, you will need it later.

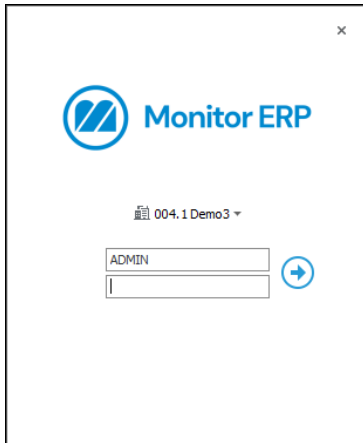


23. Go to "Users", copy an existing e-mail address, then test it in the Monitor ERP client according to the next part.

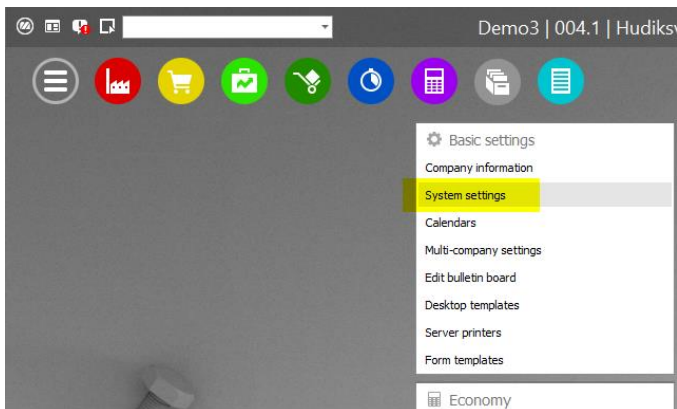


Monitor ERP setup (Client secret method)

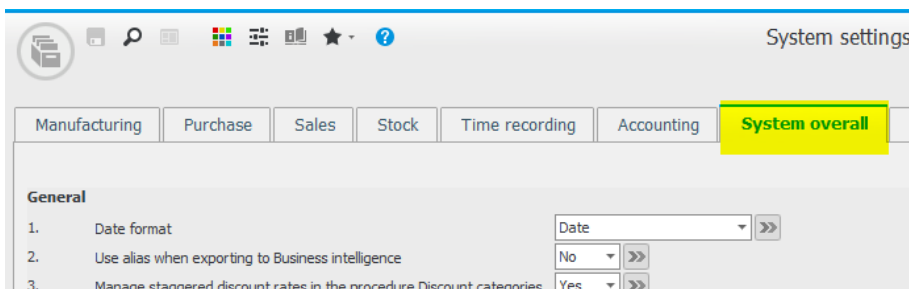
1. Start the Monitor ERP client and sign in with the appropriate admin account.



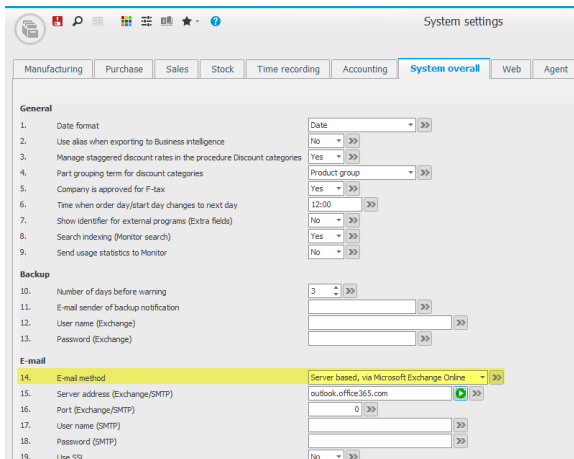
2. Access the "System settings" procedure.



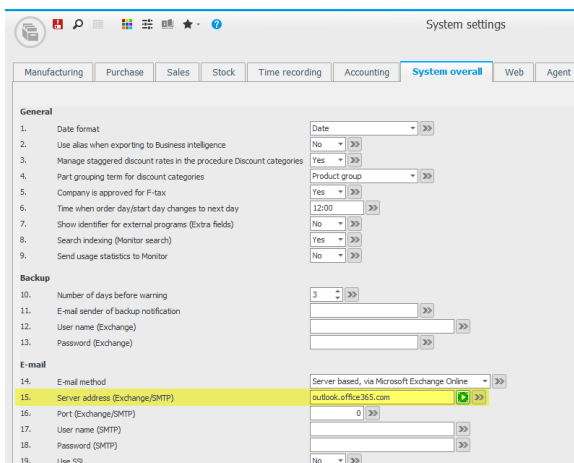
3. Click on the "System overall" tab.



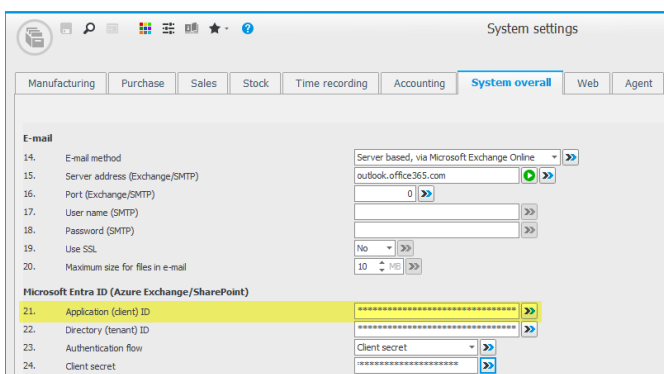
4. In "E-mail method" select "Server based, via Microsoft Exchange Online".



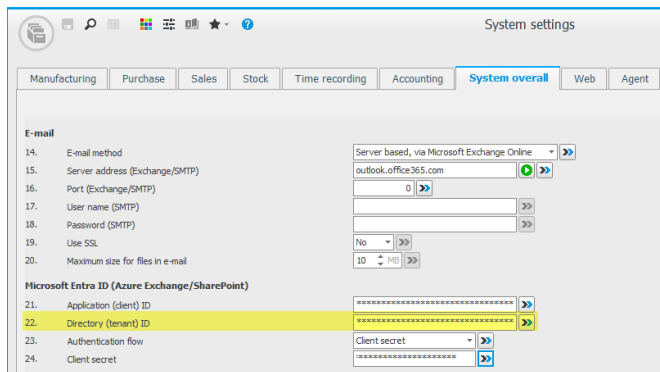
5. Set the server address – outlook.office365.com.



6. Paste the Application (client) ID previously saved from Azure in the corresponding field.

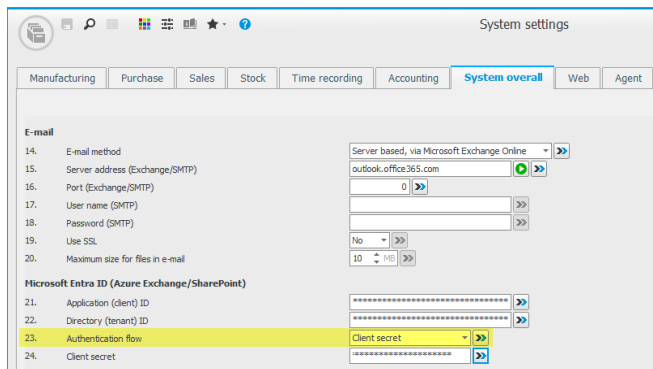


7. Paste the Directory (tenant) ID previously saved from Azure in the corresponding field.



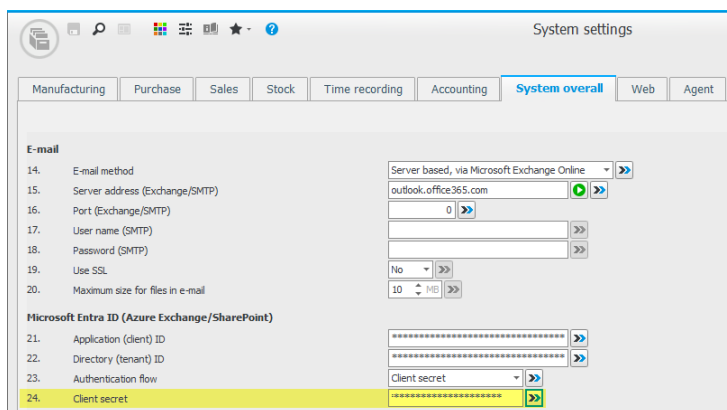
The screenshot shows the 'System settings' window with the 'System overall' tab selected. Under the 'Microsoft Entra ID (Azure Exchange/SharePoint)' section, the 'Directory (tenant) ID' field (item 22) is highlighted in yellow. The 'Authentication flow' dropdown (item 23) is currently set to 'Client secret'.

8. In "Authentication flow" select "Client secret".



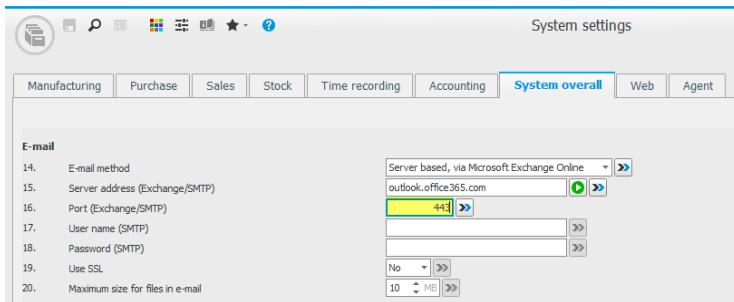
This screenshot is identical to the previous one, but the 'Authentication flow' dropdown (item 23) is now explicitly selected to 'Client secret', and the 'Directory (tenant) ID' field (item 22) remains highlighted in yellow.

9. Paste the Client secret previously saved from Azure in the corresponding field.

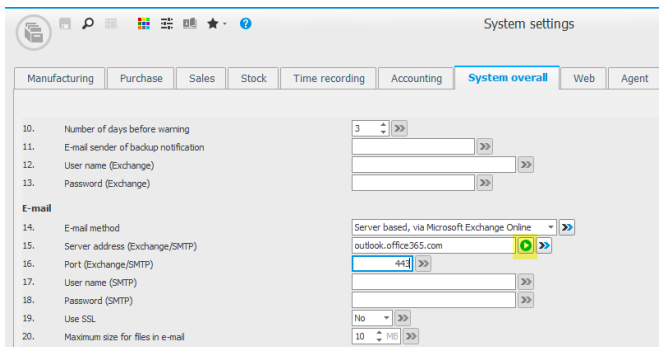


The screenshot shows the 'System settings' window. In this view, the 'Client secret' field (item 24) under the 'Microsoft Entra ID' section is highlighted in yellow, indicating it is the field to be updated with the secret from Azure.

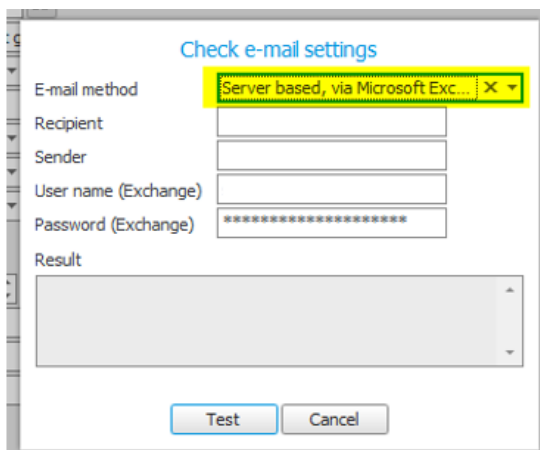
10. The port can be set, for more information refer to <https://learn.microsoft.com/en-us/microsoft-365/enterprise/urls-and-ip-address-ranges?view=o365-worldwide>.



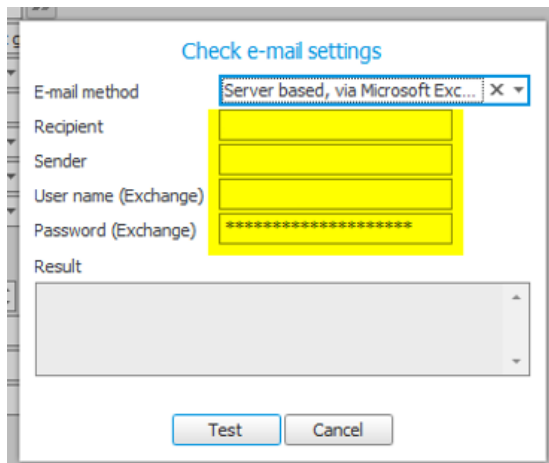
11. Click on the green icon next to the server address to test the settings.



12. Set e-mail method to "Server based, via Microsoft Exchange Online".



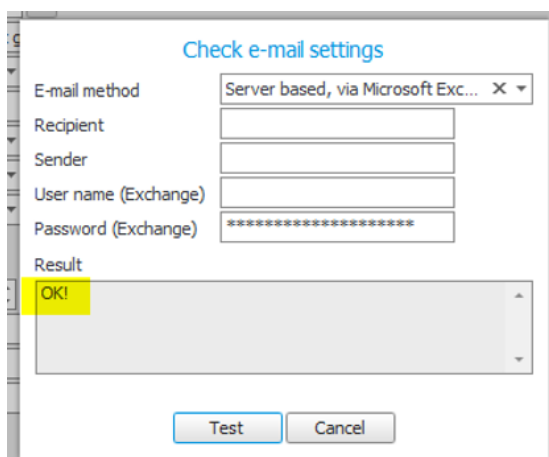
13. Enter a valid recipient, sender, user name and password.



The screenshot shows a dialog box titled "Check e-mail settings". It contains the following fields and controls:

- E-mail method:** A dropdown menu with the selected option "Server based, via Microsoft Exc...".
- Recipient:** A text input field highlighted in yellow.
- Sender:** A text input field highlighted in yellow.
- User name (Exchange):** A text input field highlighted in yellow.
- Password (Exchange):** A password input field with masked characters (asterisks), highlighted in yellow.
- Result:** A large text area for displaying the outcome of the test.
- Buttons:** "Test" and "Cancel" buttons at the bottom.

14. Press the "Test" button – the message "OK" will be displayed if everything is set up according to the examples in this document.



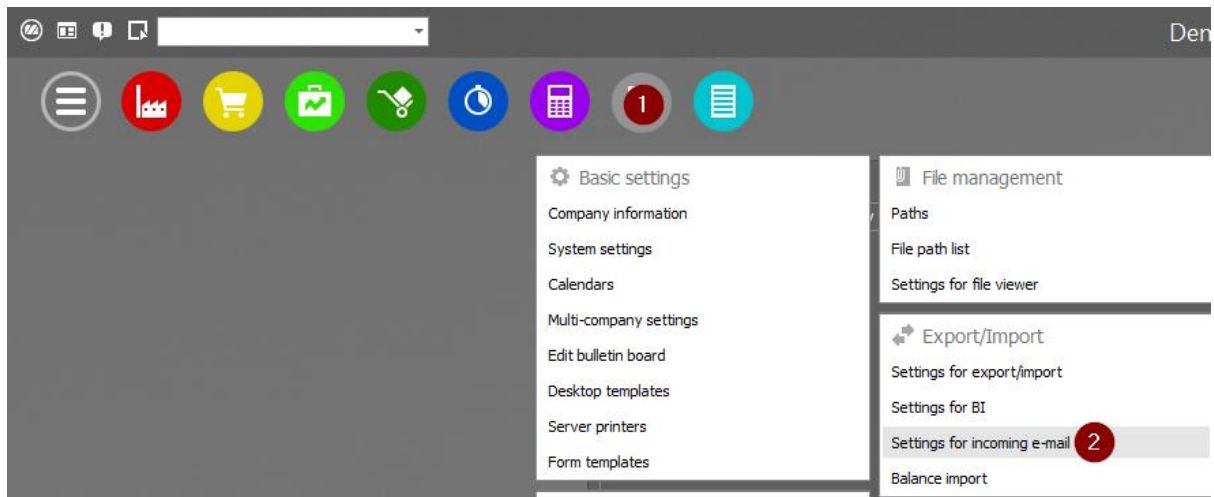
The screenshot shows the same "Check e-mail settings" dialog box as in the previous image, but with the following changes:

- The **Result** field now contains the text "OK!".
- The **Test** button is highlighted in blue, indicating it was just pressed.
- The other fields (Recipient, Sender, User name, Password) are now empty.

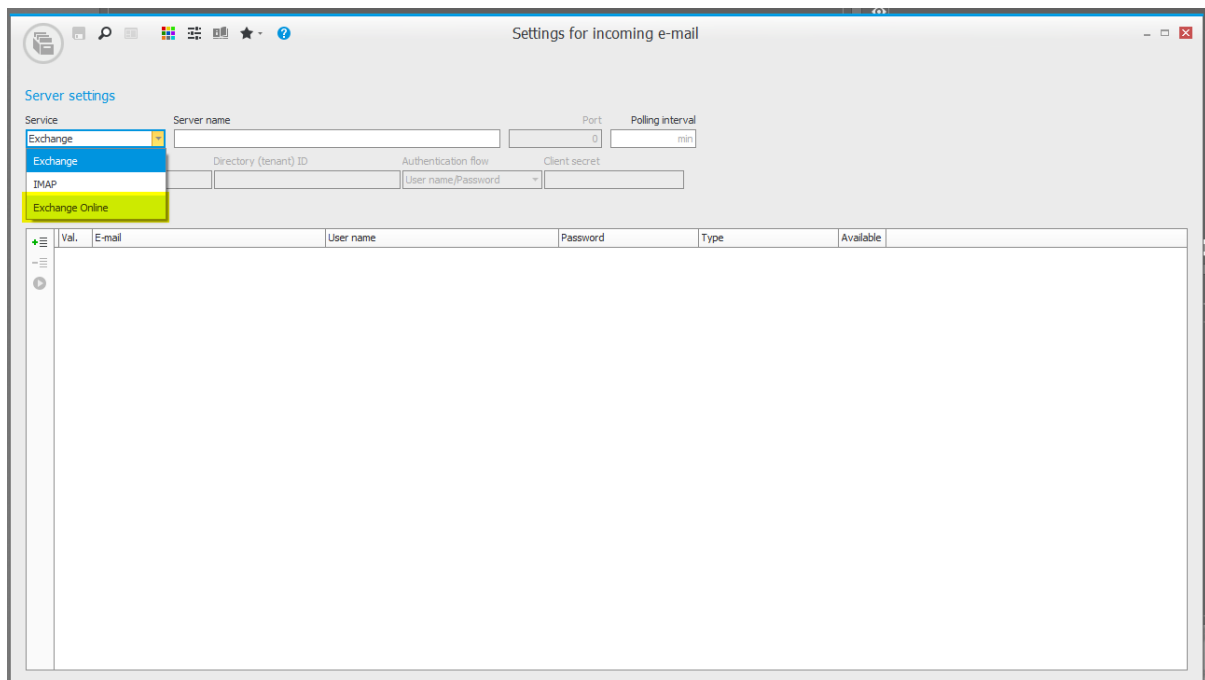
(Please note: If the service has been set up recently you may receive a **403 Forbidden message** due to delays when updating a tenant in Azure Portal. In this case, wait a moment then press "Test" again. If you encounter other messages in the "Result" box, please refer to the online documentation by Microsoft).

Settings for incoming e-mail (Client secret method)

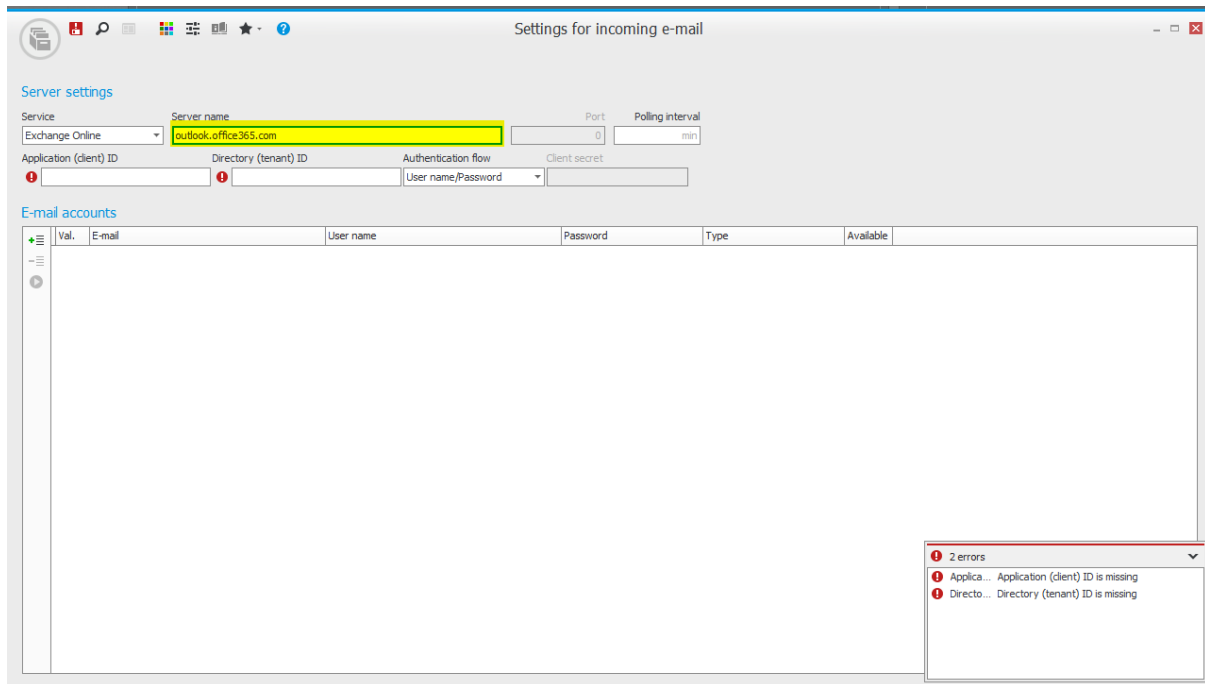
1. Access the "Settings for incoming e-mail" procedure.



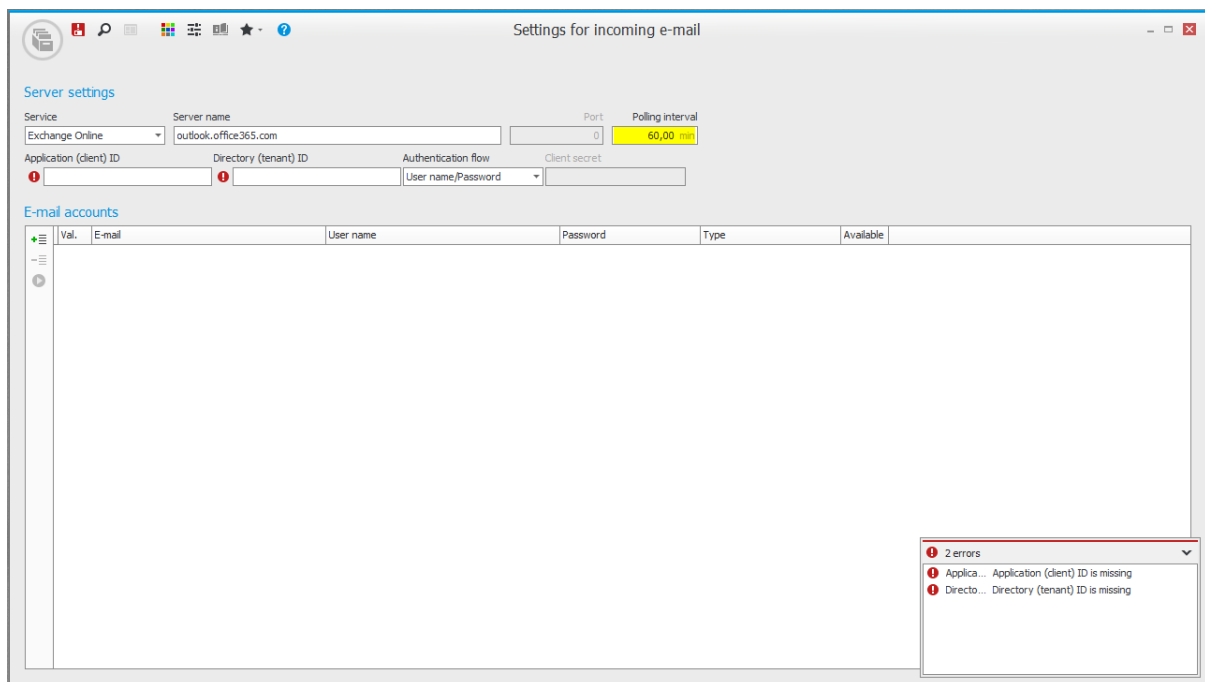
2. Under "Service" select "Exchange Online".



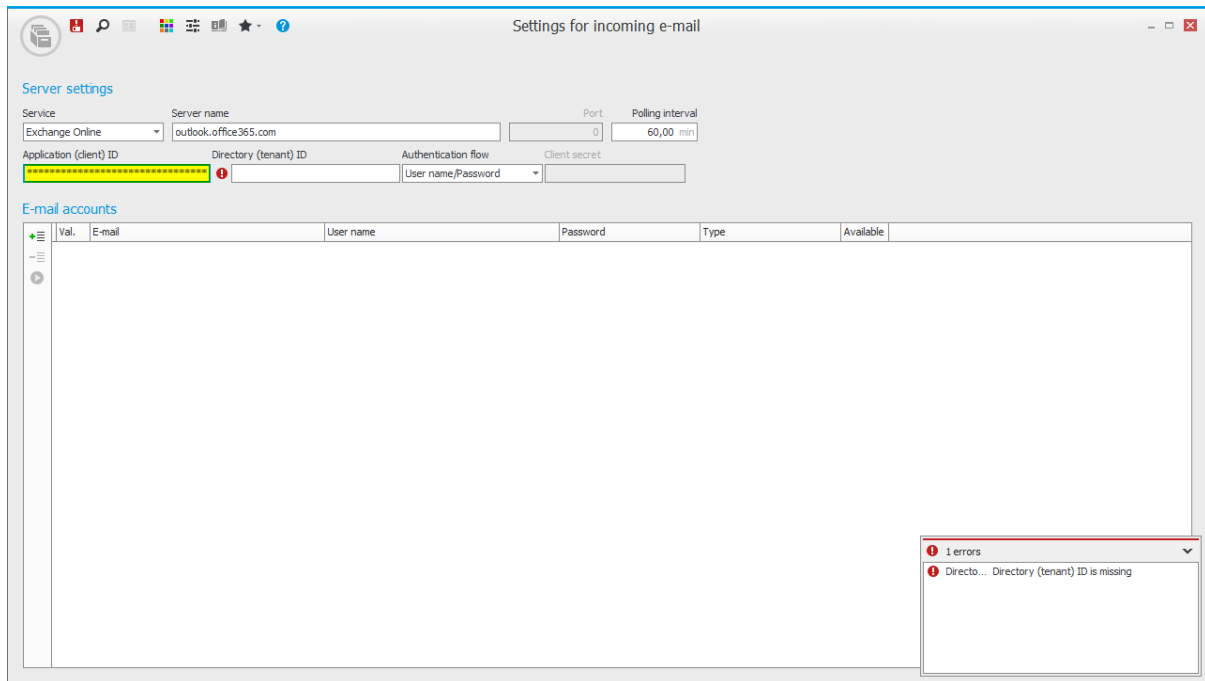
3. Enter the URL to the server – for example outlook.office365.com.



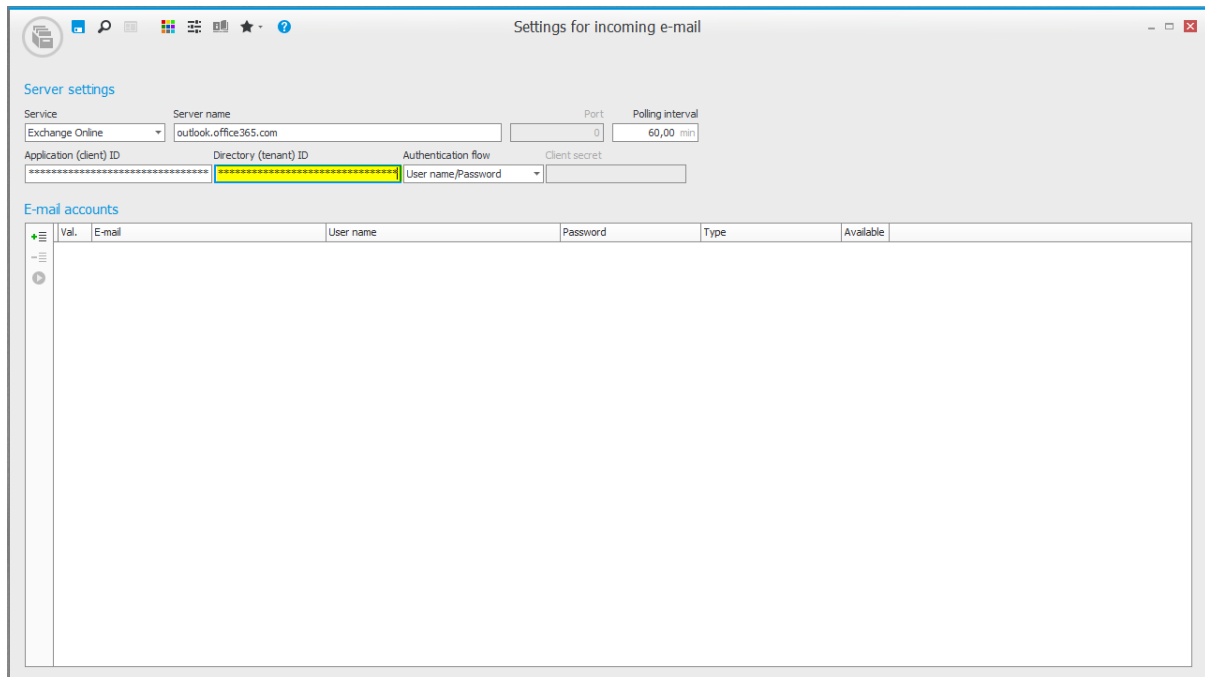
4. Set a pooling interval (in minutes) according to your requirements, in our example we set this to 60,00 to check for new e-mails on the server once every hour.



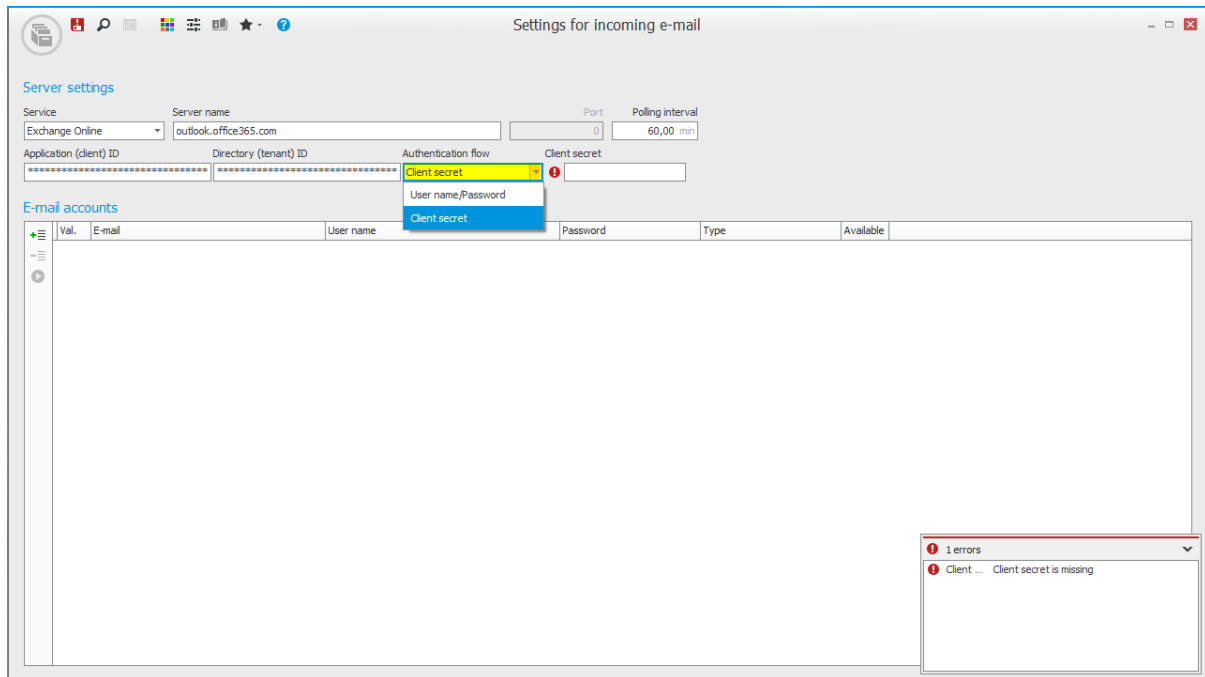
5. Enter the Application (client) ID.



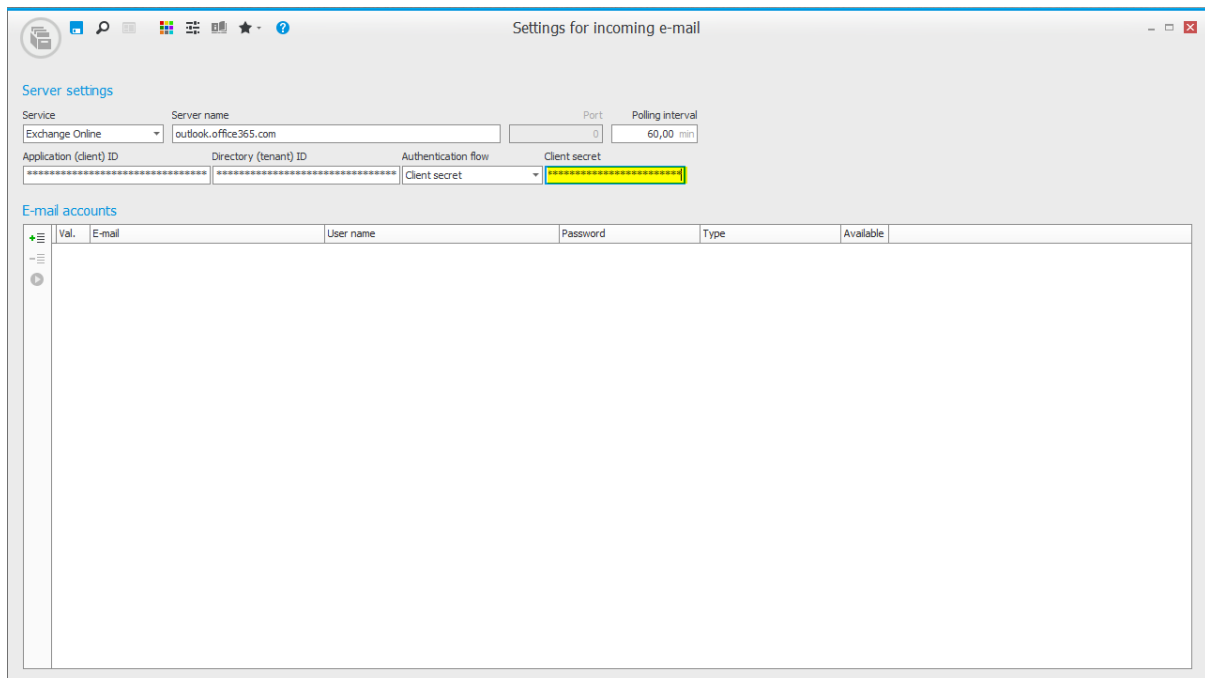
6. Enter the Directory (tenant) ID.



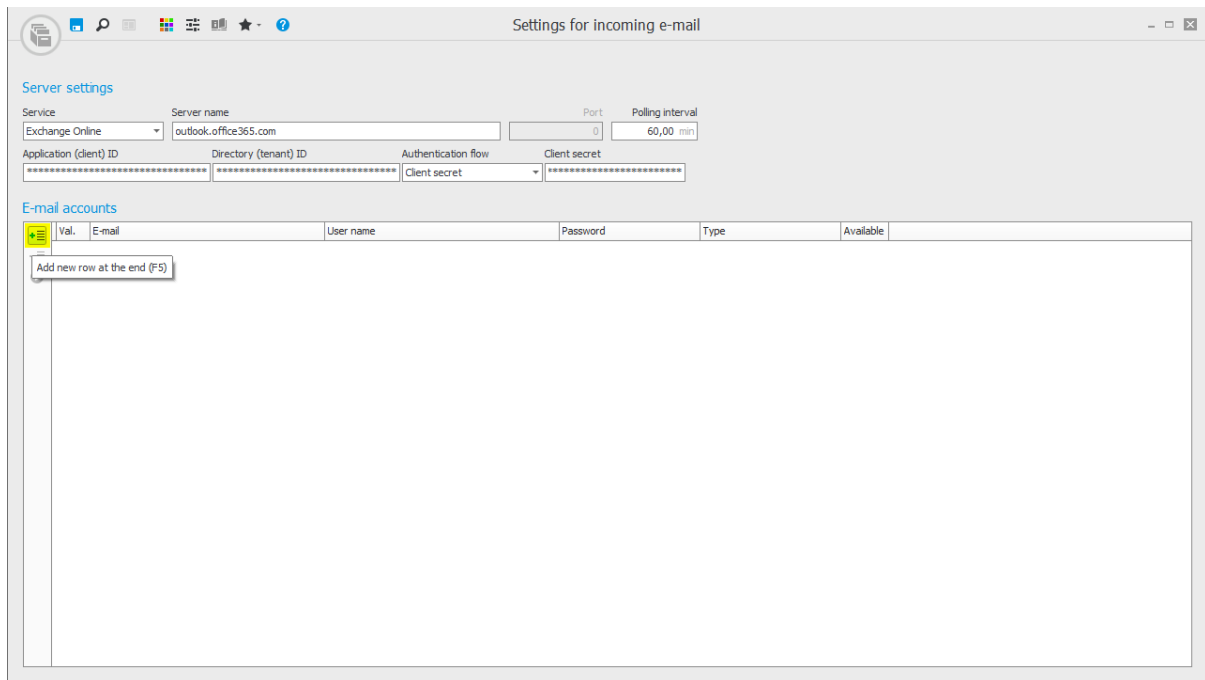
7. "Authentication flow" should be set to "Client secret".



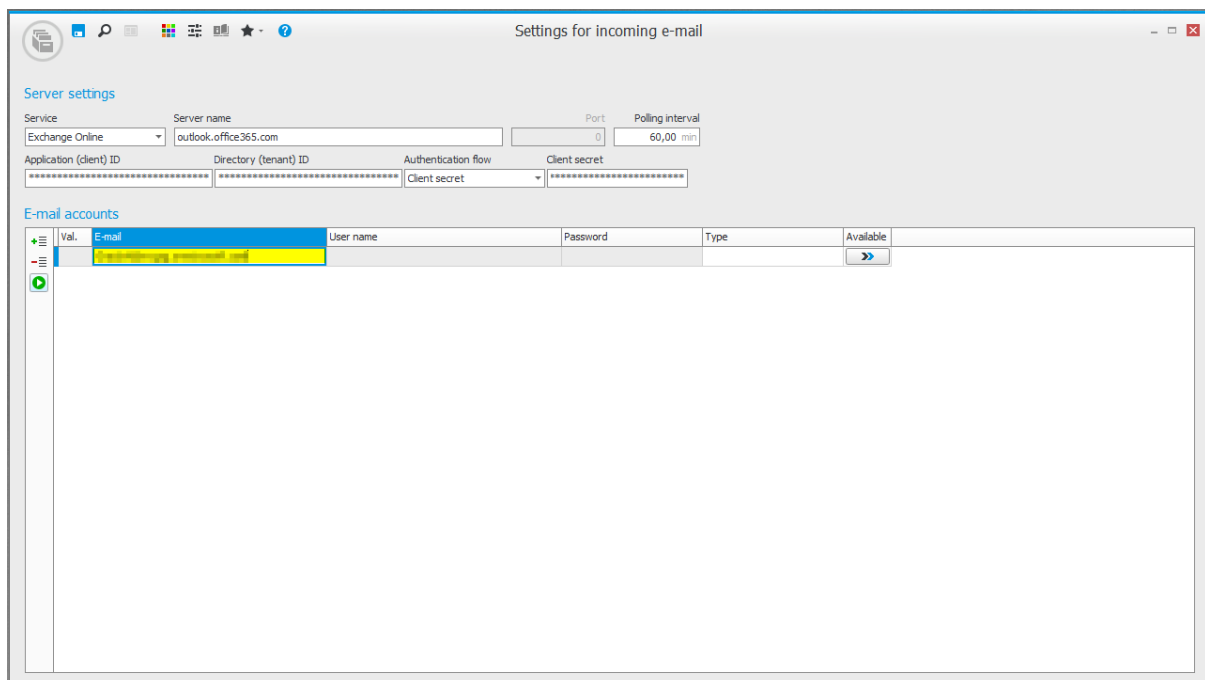
8. Enter the client secret.



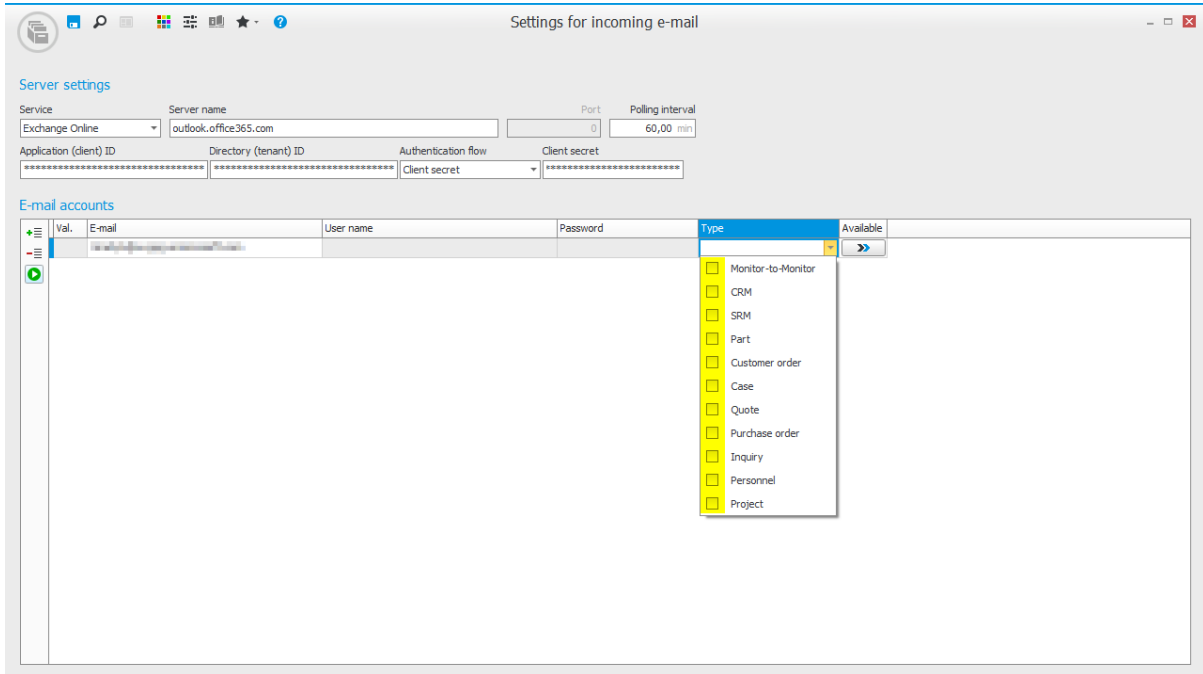
9. Add an e-mail account by pressing the plus icon or F5 on your keyboard.



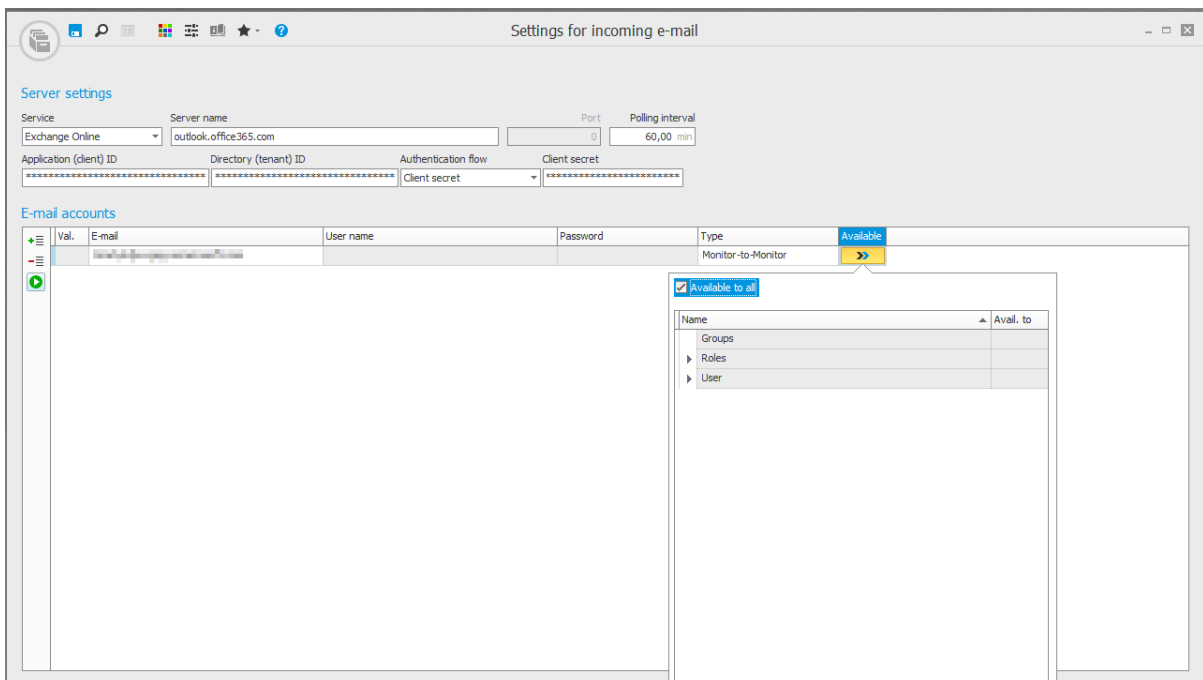
10. Enter the e-mail address.



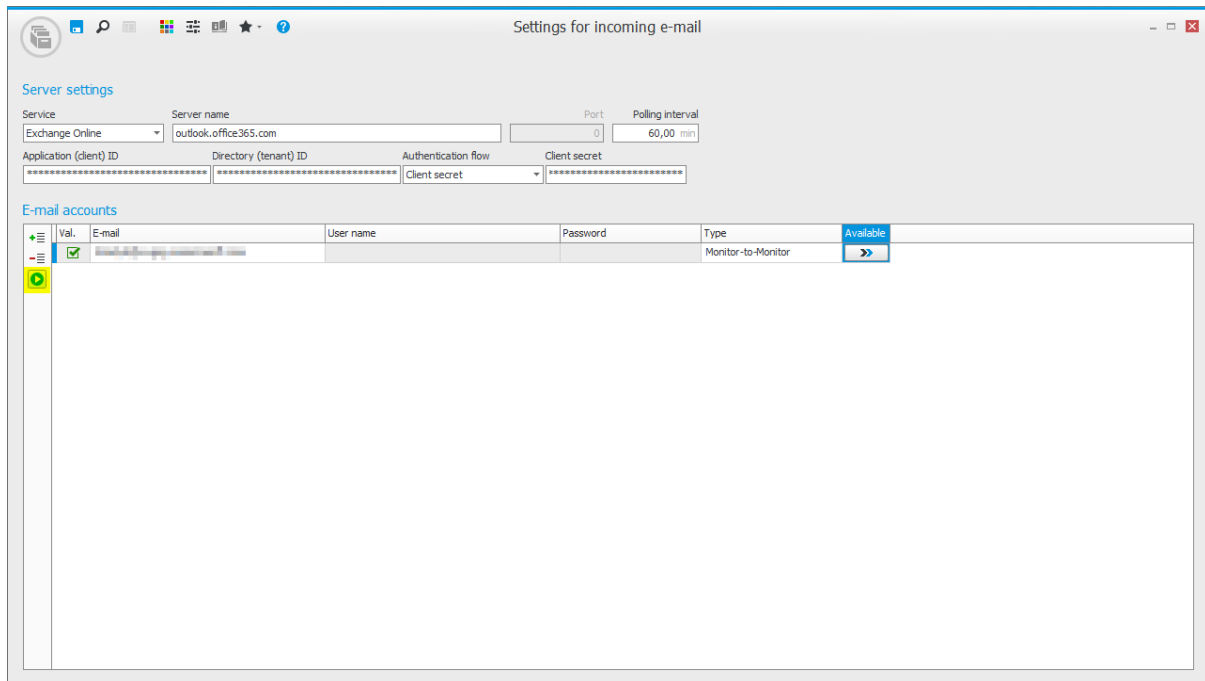
11. Select all “Types” that apply to your configuration of Monitor ERP, for example “Monitor-to-Monitor”.



12. Click on “Available” and set your preferred permissions (“Available to all” by default).



13. Press the green icon to validate the selected address.



14. Press "Save" then close the procedure.

