Setting up e-mail (OAUTH) in Microsoft Entra/Microsoft Azure

Introduction

This document briefly describes a general example of activating client secret authentication in Microsoft Entra/Microsoft Azure to use with e-mail in Exchange/Office365.

The document also describes how to test settings from Microsoft Entra/Microsoft Azure in the Monitor ERP client with the client secret method.

Table of Contents

Microsoft Entra/Microsoft Azure

- An account to Microsoft Entra/Microsoft Azure is required.
- To test e-mail, the required credentials must be added under “Users” in the Microsoft Entra/Microsoft 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.

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 the authentication method work 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

Client secret authentication

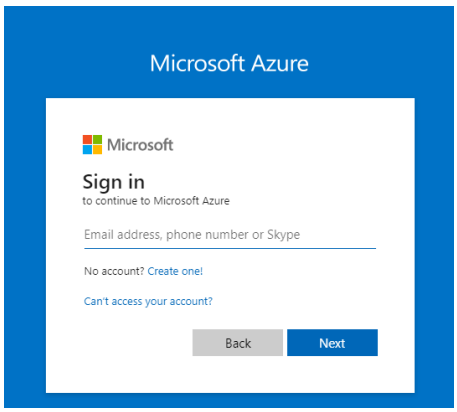
Microsoft Azure setup

Please note: Microsoft currently provides two administrative portals:

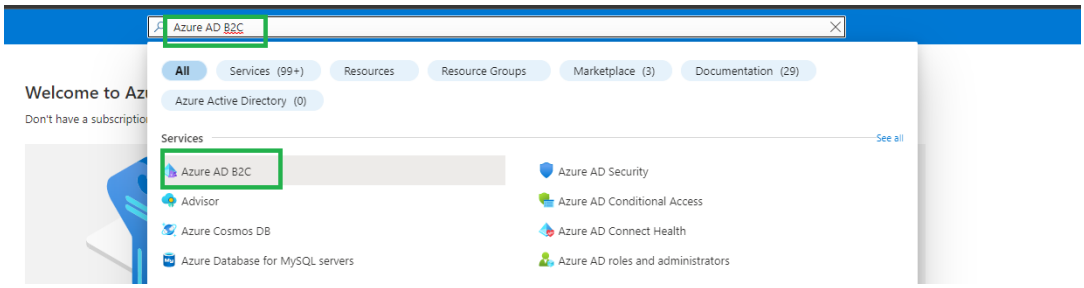
- portal.azure.com
- entra.microsoft.com

The guide below describes the setup process in Microsoft Azure.

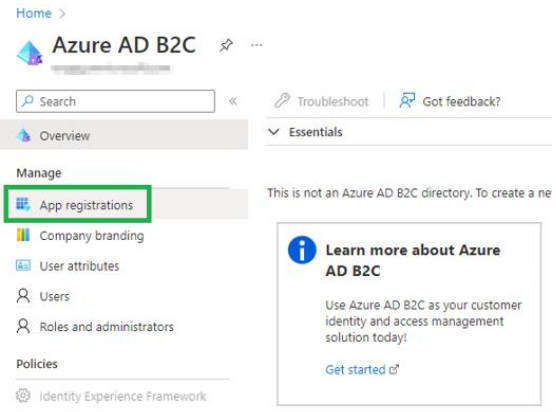
1. Sign in with an existing account at https://portal.azure.com.



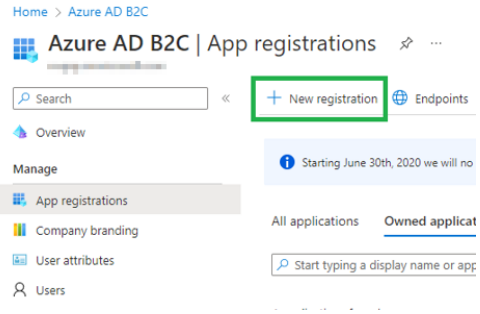
2. Once signed in, search for and access “Azure AD B2C”.



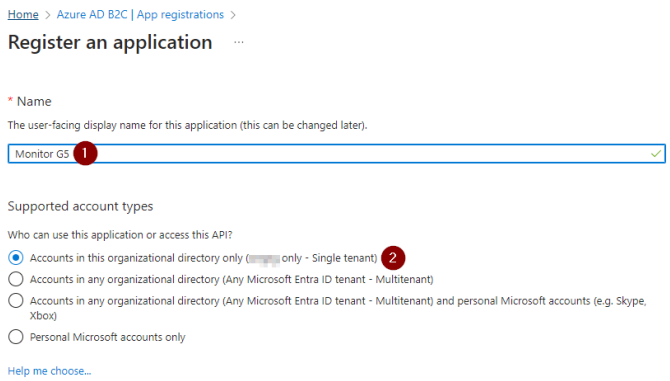
3. Click on "App registrations".



4. Click on "New registration".

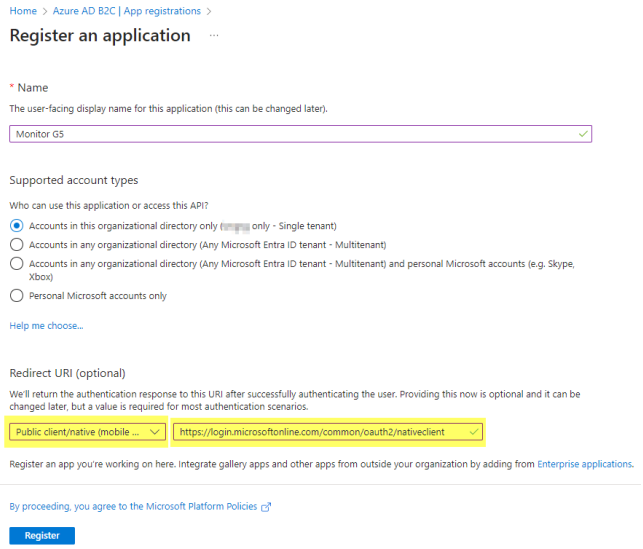


5. Enter a name and select your preferred account type (set to single tenant by default).

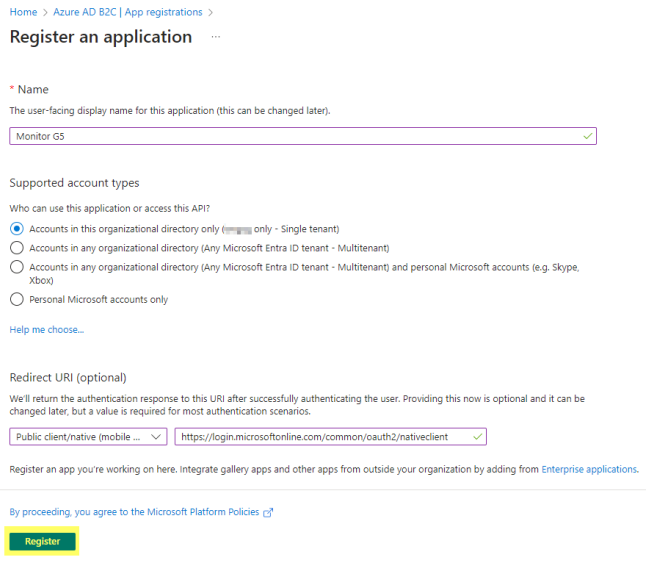


6. Enter the appropriate “Redirect URI” – for example, select "Public client/native (mobile & desktop)" and at the URL https://login.microsoftonline.com/common/oauth2/nativeclient.

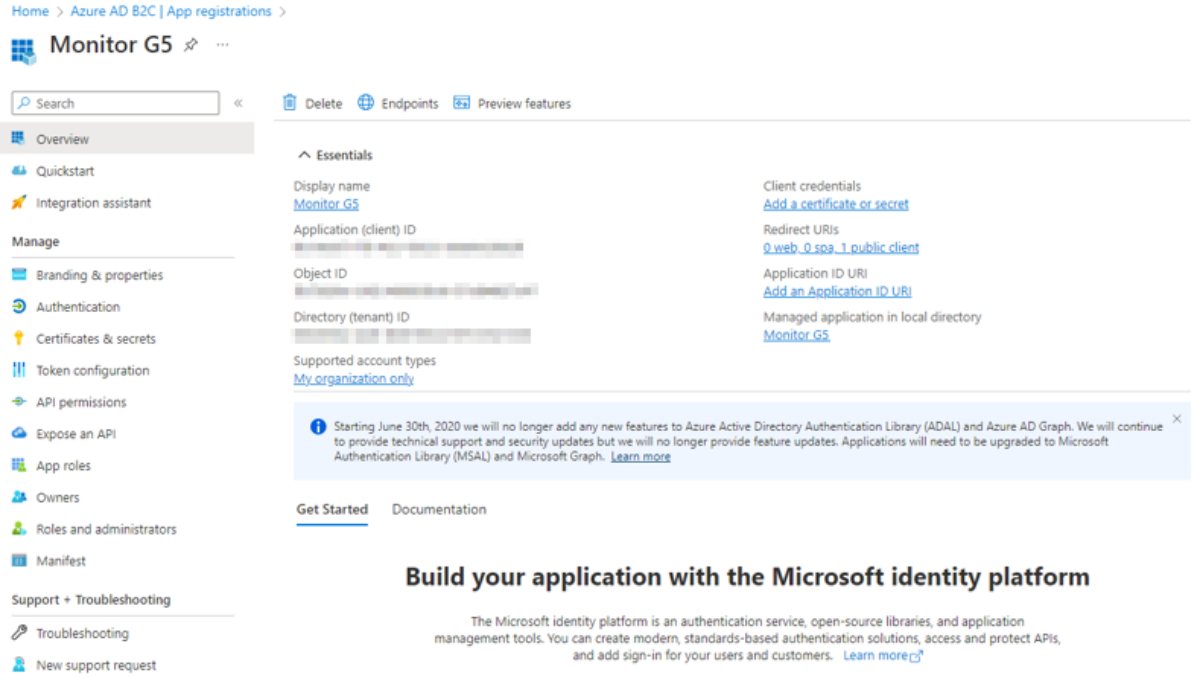
Refer to – https://learn.microsoft.com/en-us/azure/active-directory/develop/reply-url.



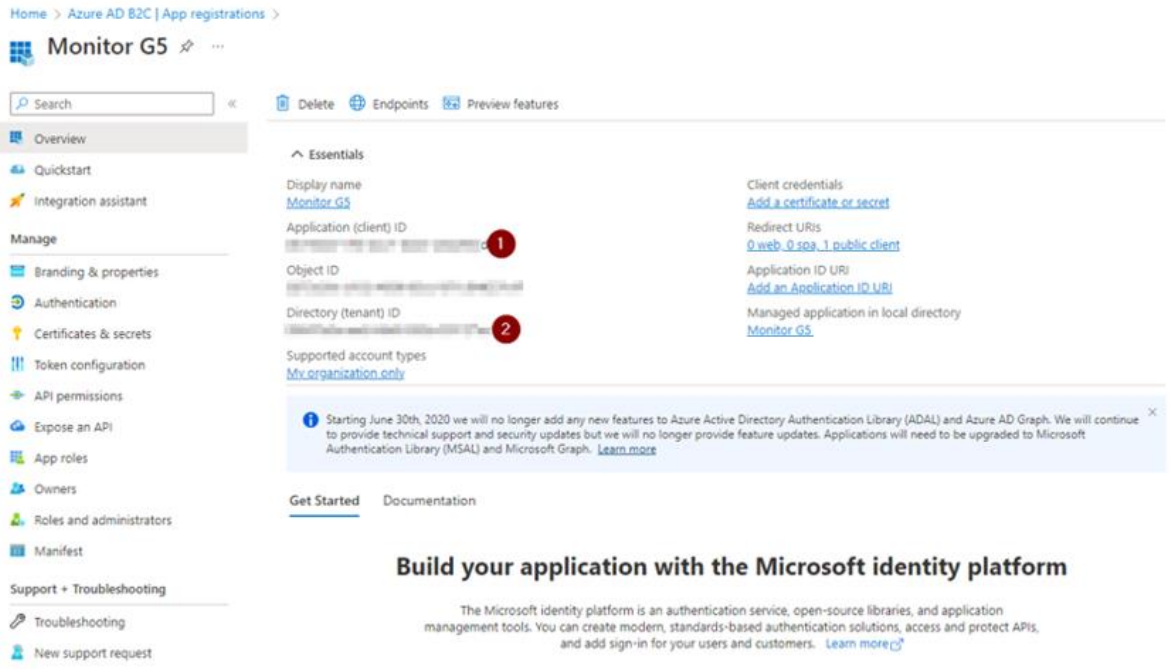
7. Click on the "Register" button.



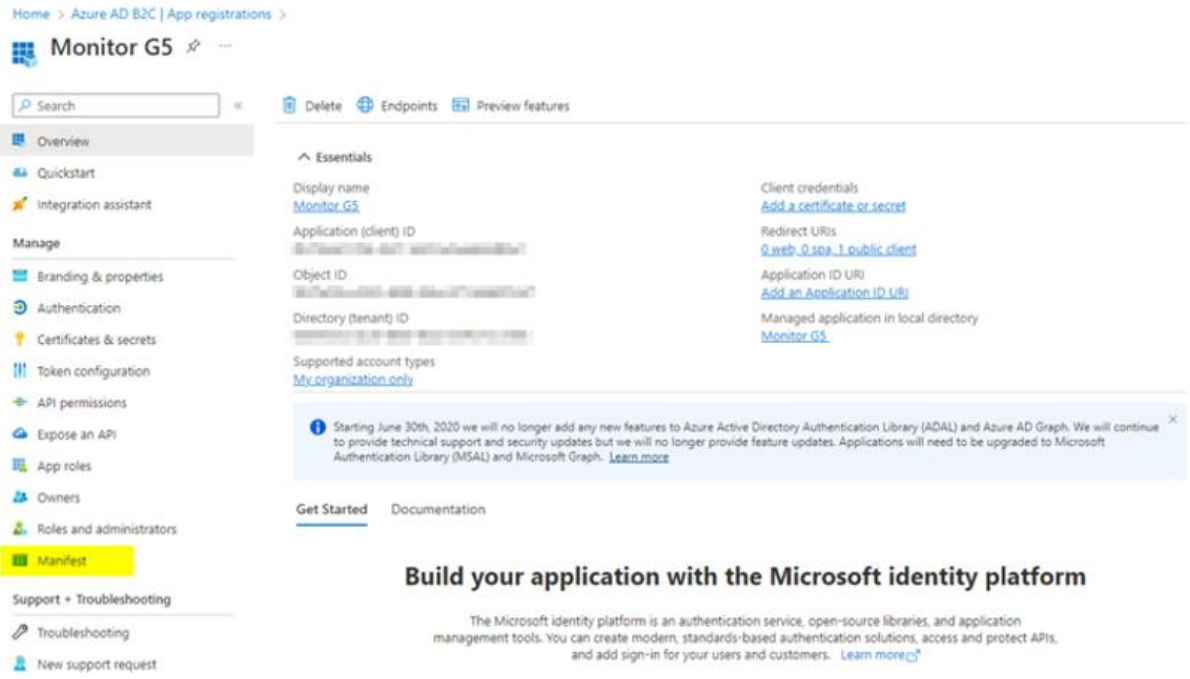
8. You will be forwarded to the menu of the application you just registered, if not – click on the application.



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.



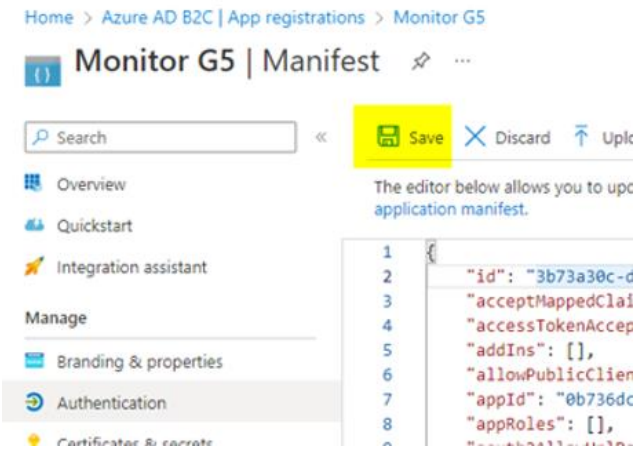
11. We need to add the authentication method to our manifest, this can be done by copying and pasting the code found under the section "Configure for app-only authentication" in the documentation from Microsoft.

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

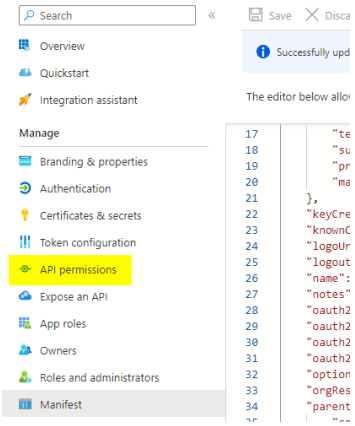
For example, copy and add the app-only authentication code to the "Manifest" then save.

```
    ],
    "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"
                }
            ]
        }
    ],
```

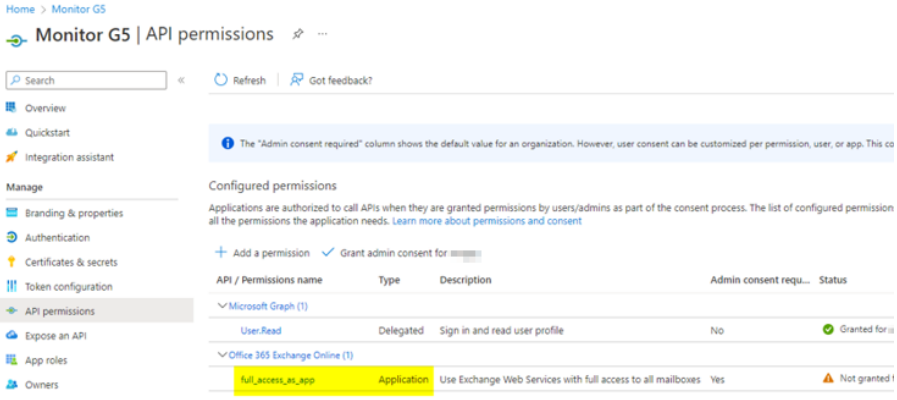
12. Save the "Manifest" settings.



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

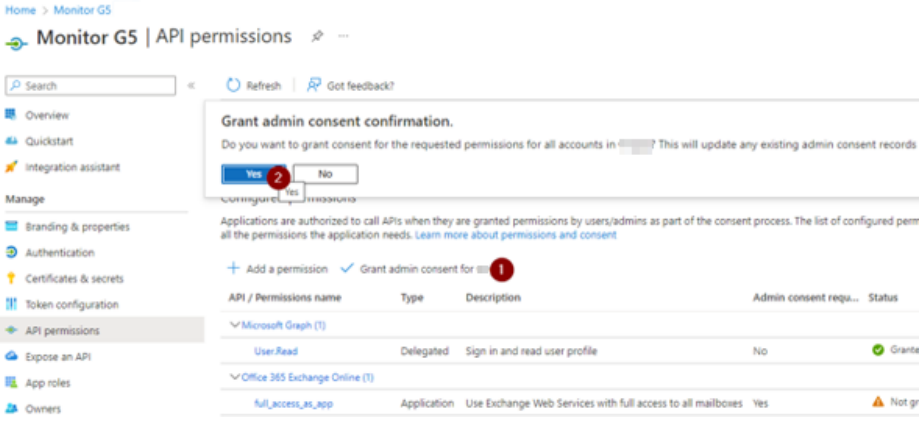


14. Confirm that the permissions have been added **(full_access_as_app**, Type: **Application**).

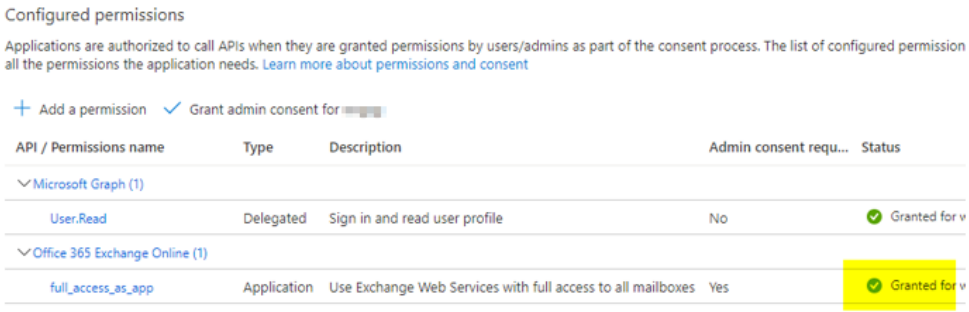


15. Grant admin consent.

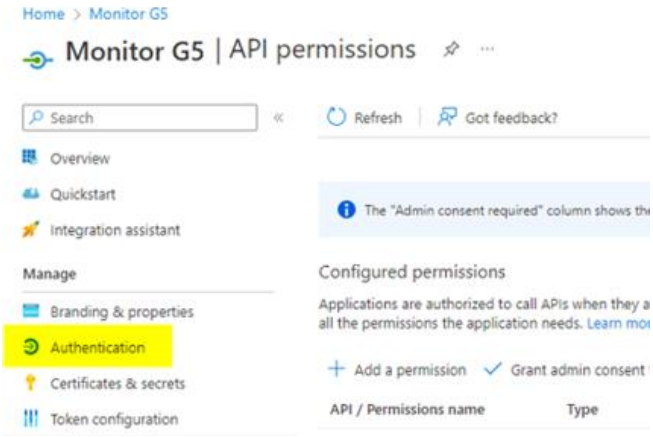
Monitor ERP **requires full access** to Exchange Web Services, additional security settings can be applied to adapt the level of security.



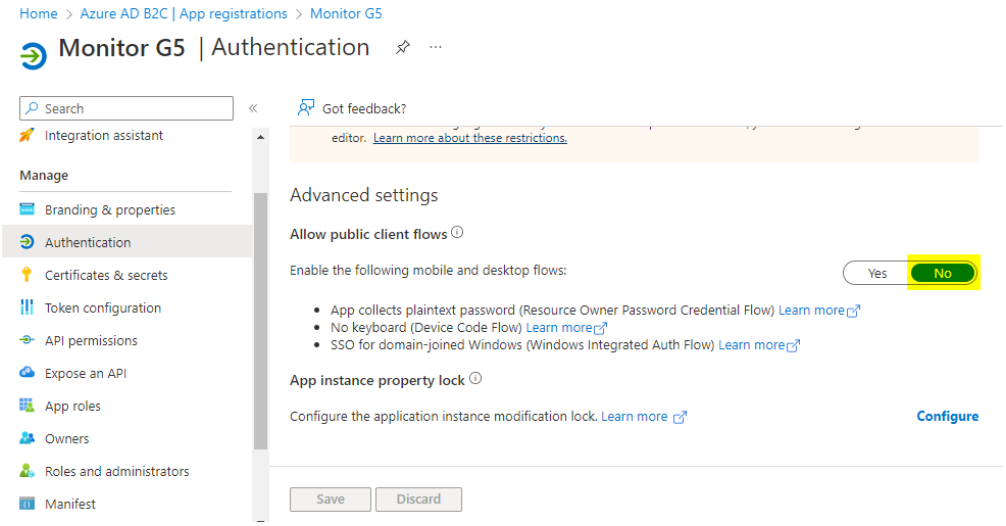
16. Verify that the icon is green.



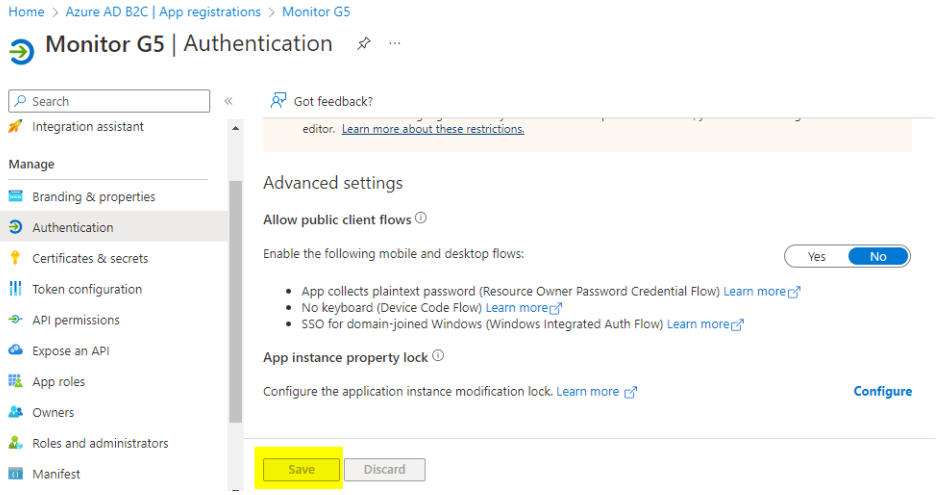
17. Click on "Authentication" in the left-hand menu.



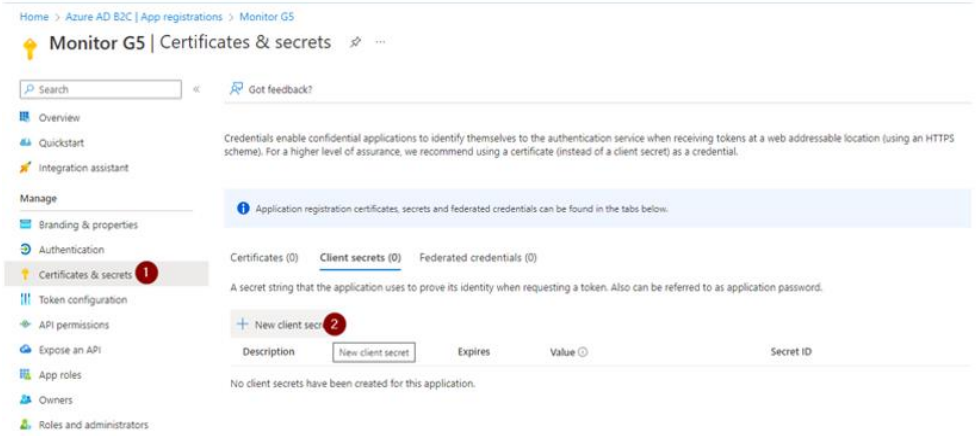
18. Under "Advanced settings", set "Enable the following mobile and desktop flows" to "No".



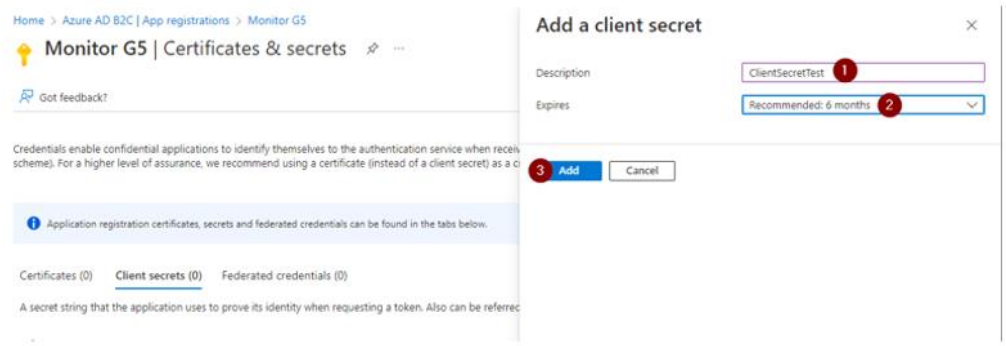
19. Save the settings.



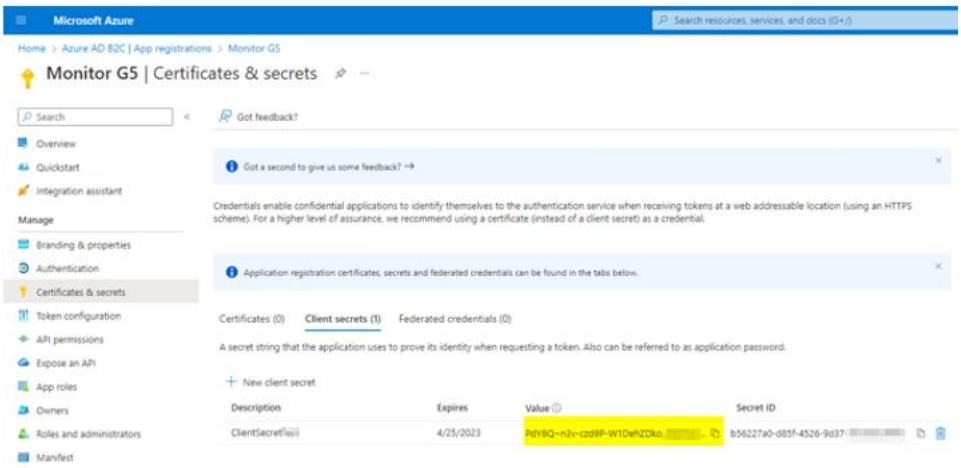
20. Access “Certificates & secrets” in the left-hand menu and click on “New client secret”.



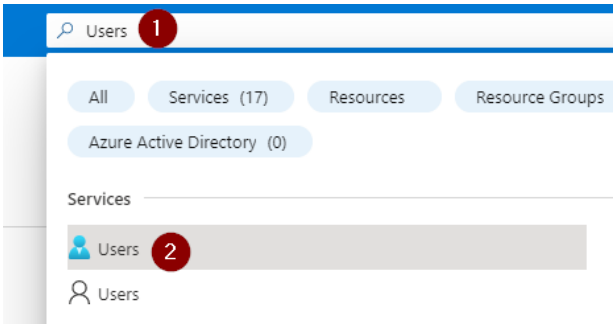
21. Enter a name and set a preferred client secret expiration, then click “Add”.



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.



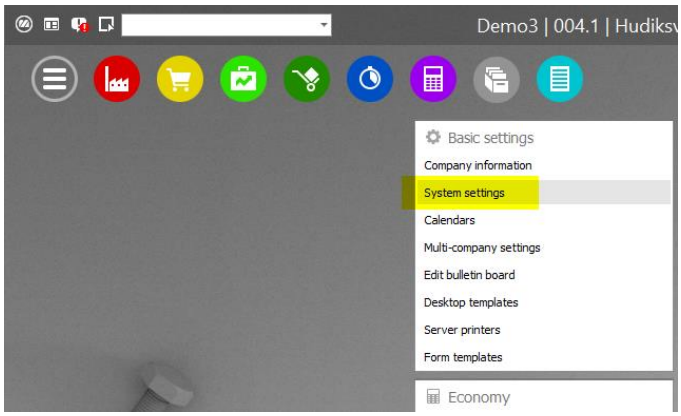
23. Go to "Users", copy an existing e-mail address, then test it in the Monitor ERP client according to the next part.



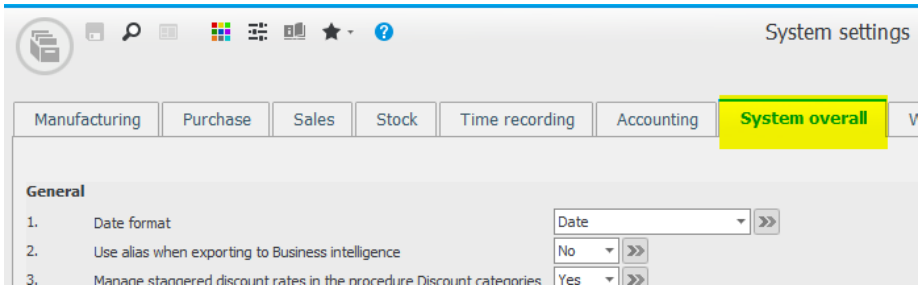
Monitor ERP setup (Client secret method)

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

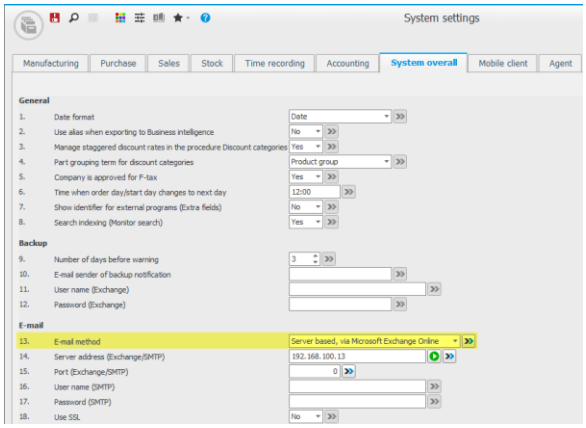
2. Access the "System settings" procedure.



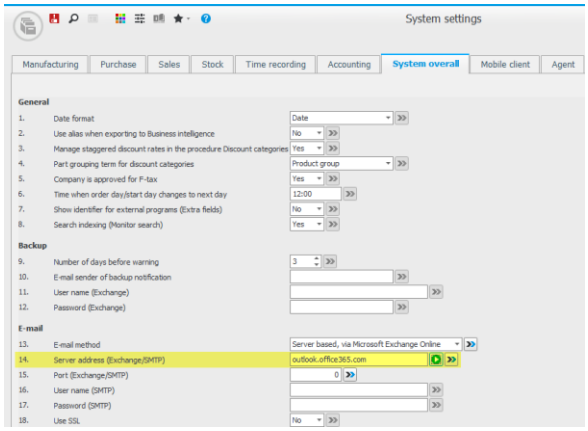
3. Click on the "System overall" tab.



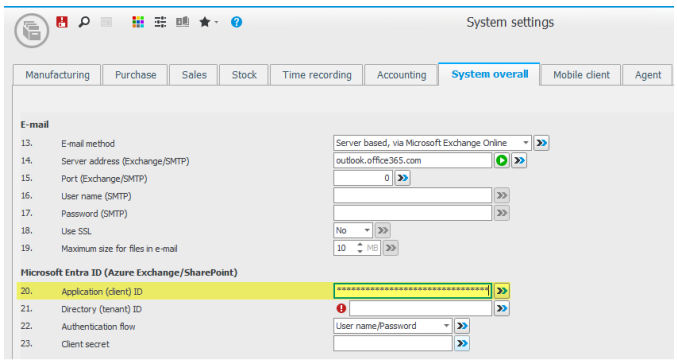
4. In "E-mail method" select "Server based, via Microsoft Exchange Online".



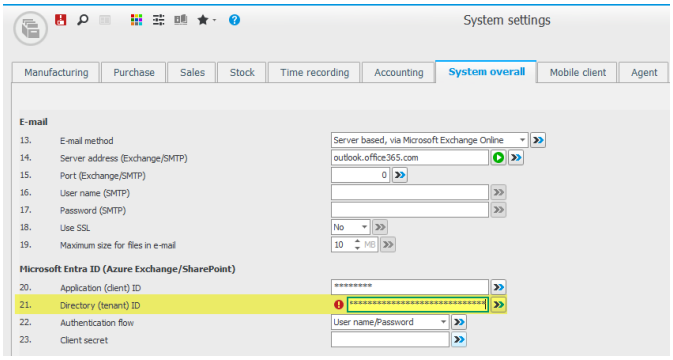
5. Set the server address – outlook.office365.com.



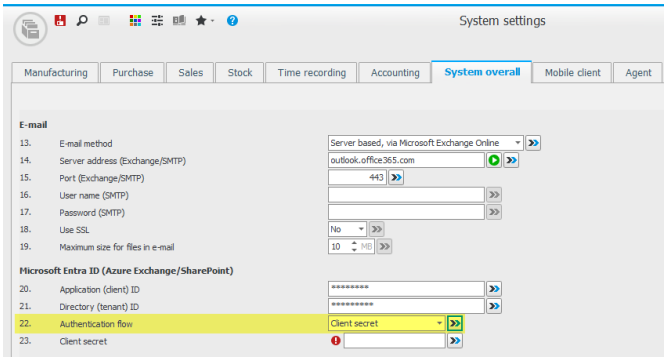
6. Paste the Application (client) ID previously saved from Microsoft Azure in the corresponding field.



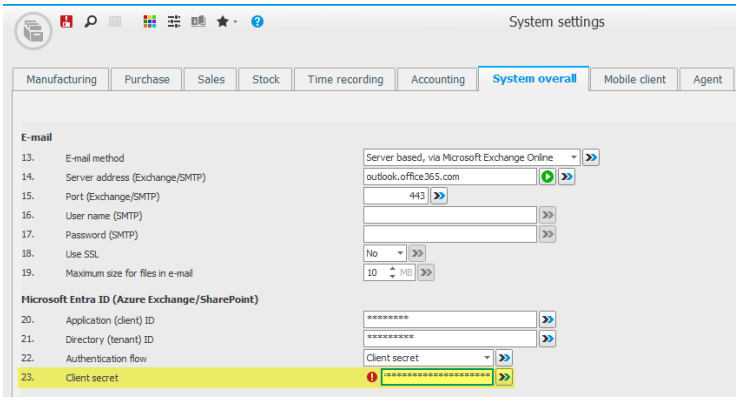
7. Paste the Directory (tenant) ID previously saved from Microsoft Azure in the corresponding field.



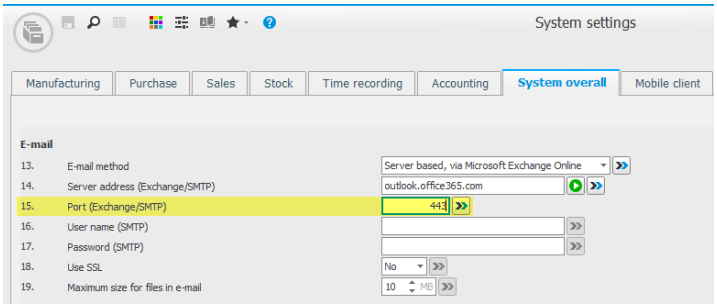
8. In "Authentication flow" select "Client secret".



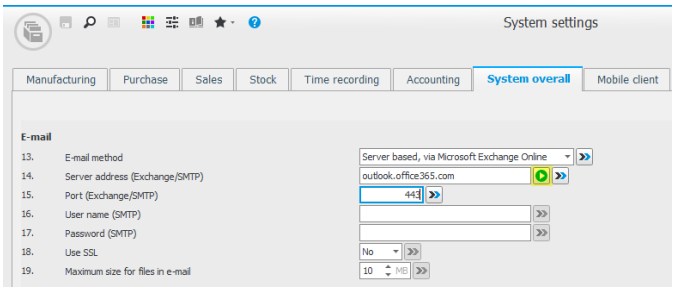
9. Paste the Client secret previously saved from Microsoft Azure in the corresponding field.



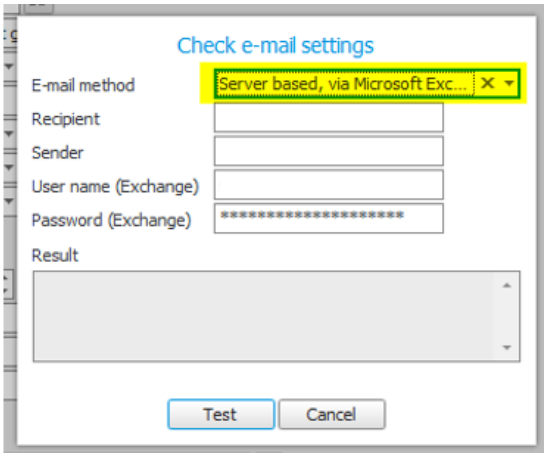
10. The port can be set, for more information refer to https://learn.microsoft.com/en-us/microsoft-365/enterprise/urls-and-ip-address-ranges?view=o365-worldwide.



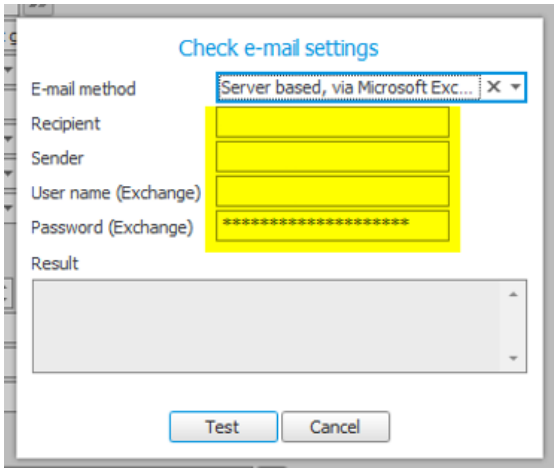
11. Click on the green icon next to the server address to test the settings.



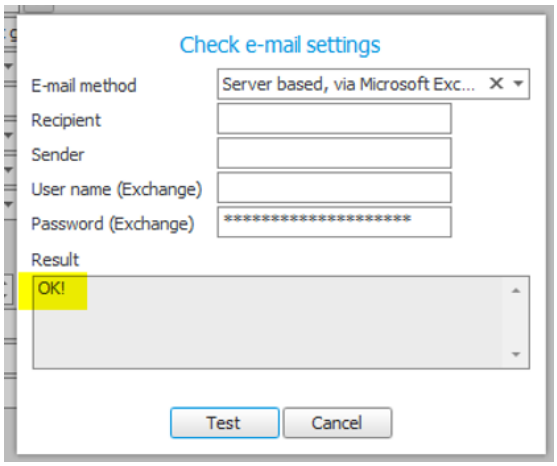
12. Set e-mail method to "Server based, via Microsoft Exchange Online".



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



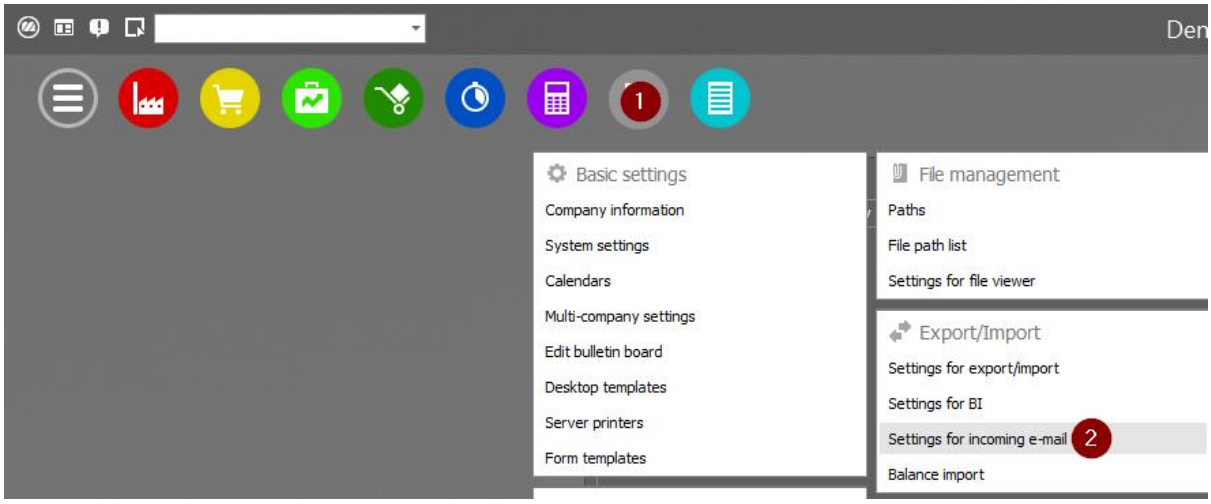
14. Press the "Test" button – the message "OK" will be displayed if everything is set up according to the examples in this document.



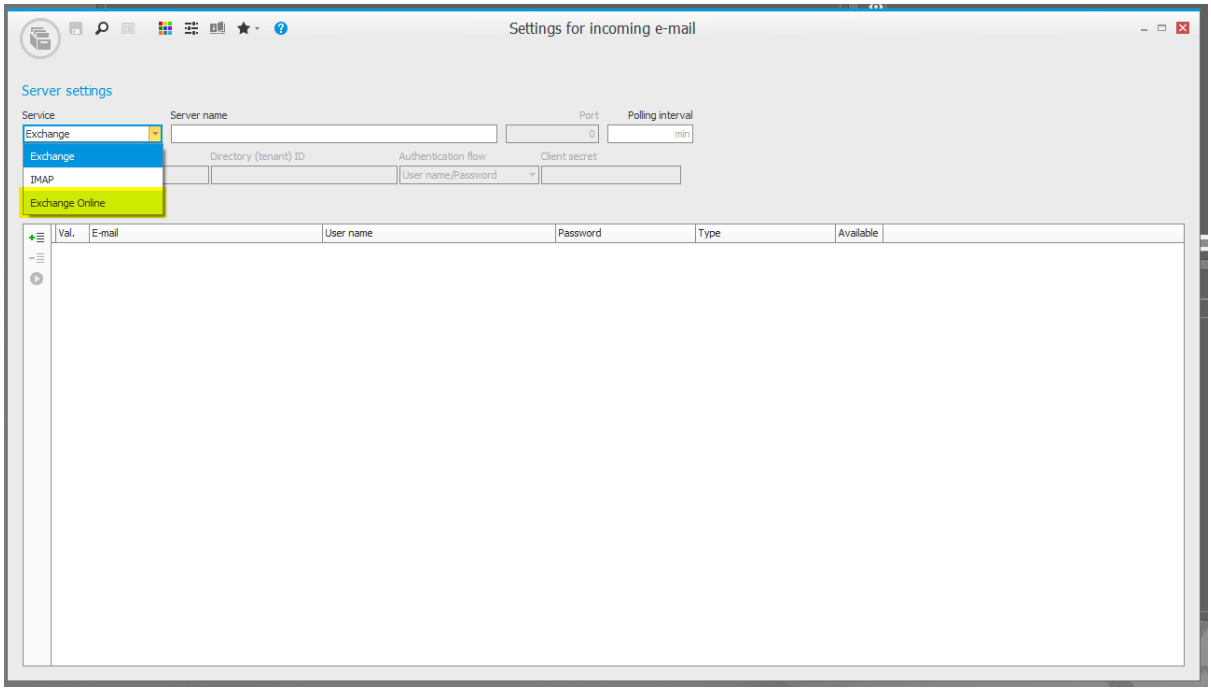
(Please note: If the service has been set up recently you may receive a **403 Forbidden message** due to delays when updating a tenant in Microsoft Azure portal. In this case, wait a moment then press "Test" again. If you encounter other messages in the "Result" box, please refer to the online documentation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

Settings for incoming e-mail (Client secret method)

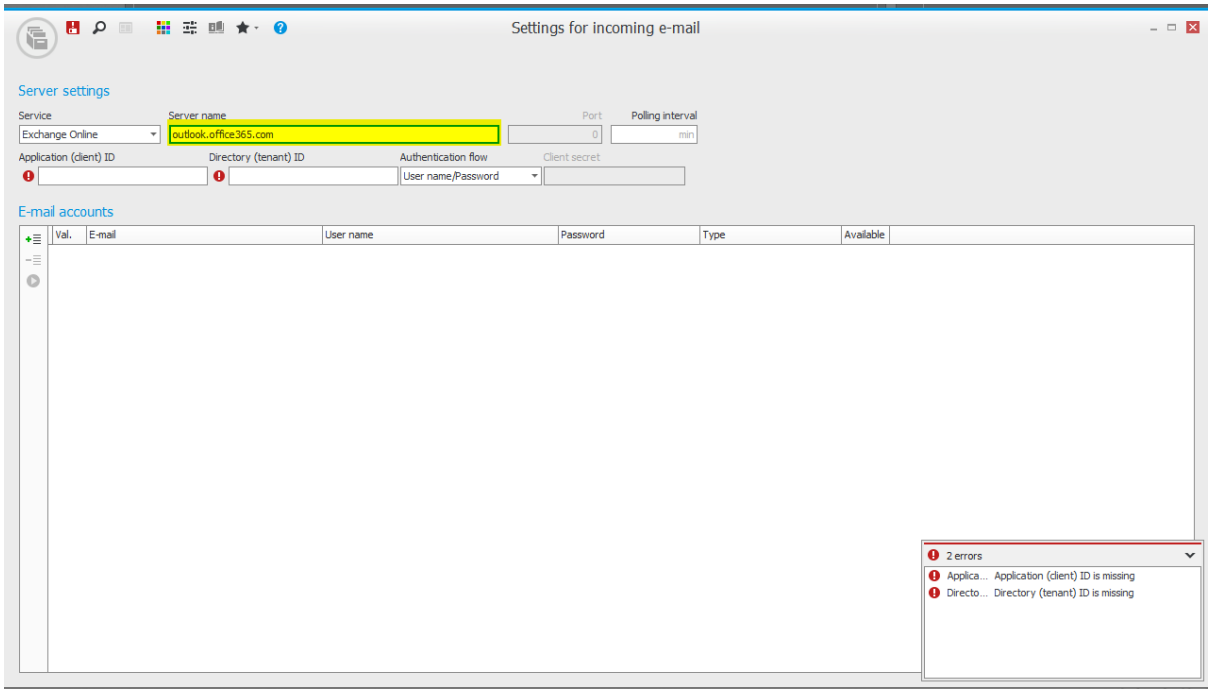
1. Access the "Settings for incoming e-mail" procedure.



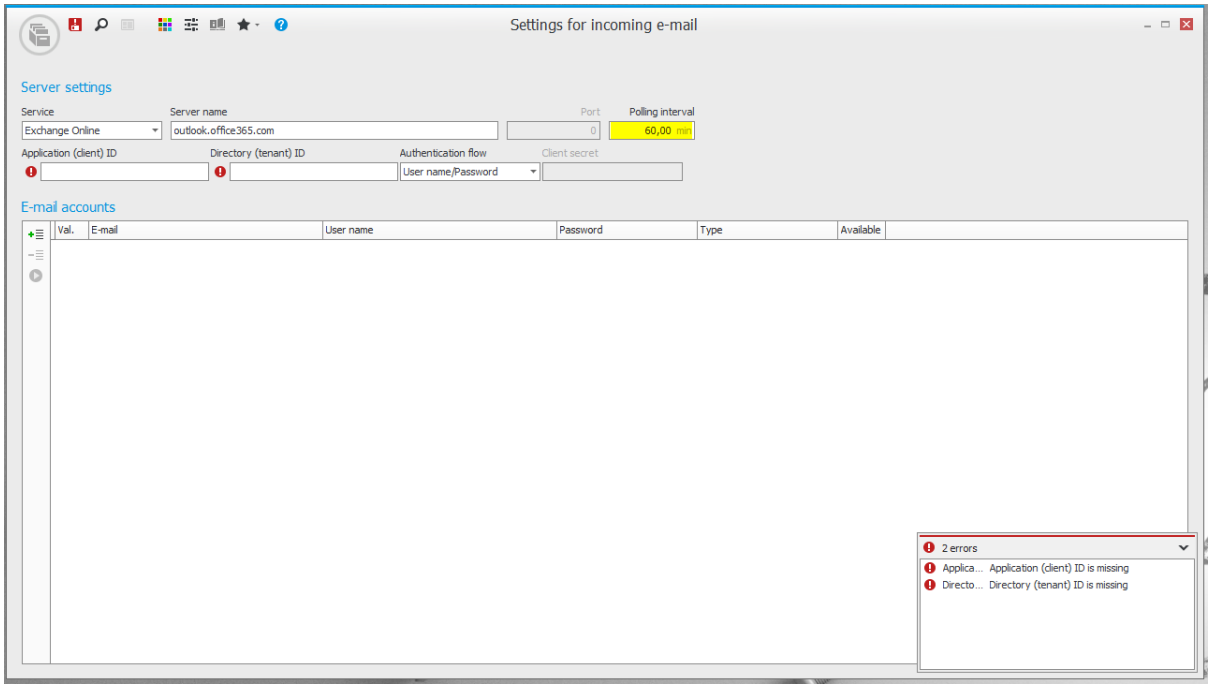
2. Under "Service" select "Exchange Online".



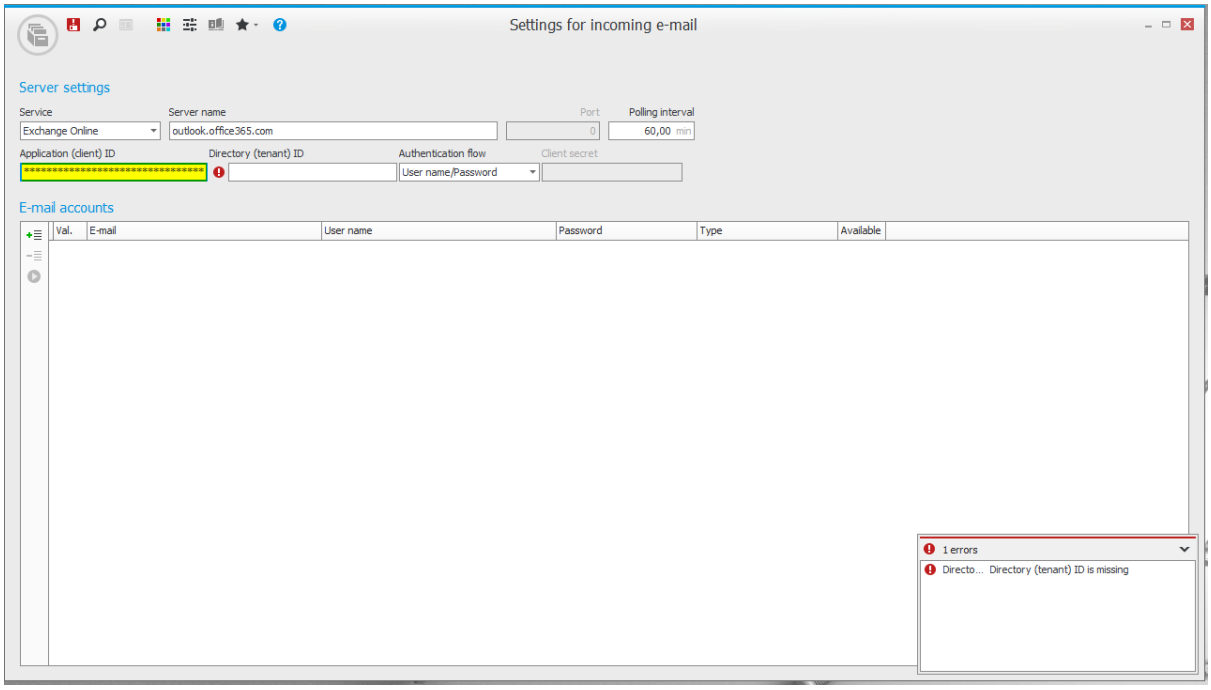
3. Enter the URL to the server – for example outlook.office365.com.



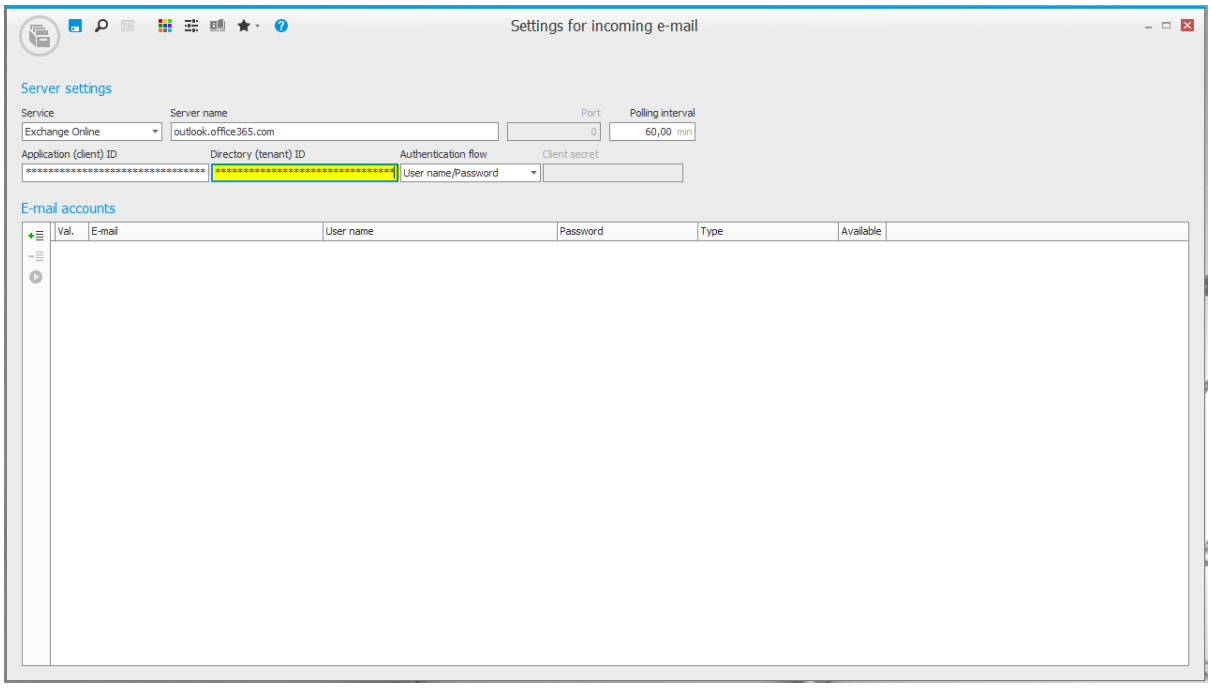
4. Set a pooling interval (in minutes) according to your requirements, in our example we set this to 60,00 to check for new e-mails on the server once every hour.



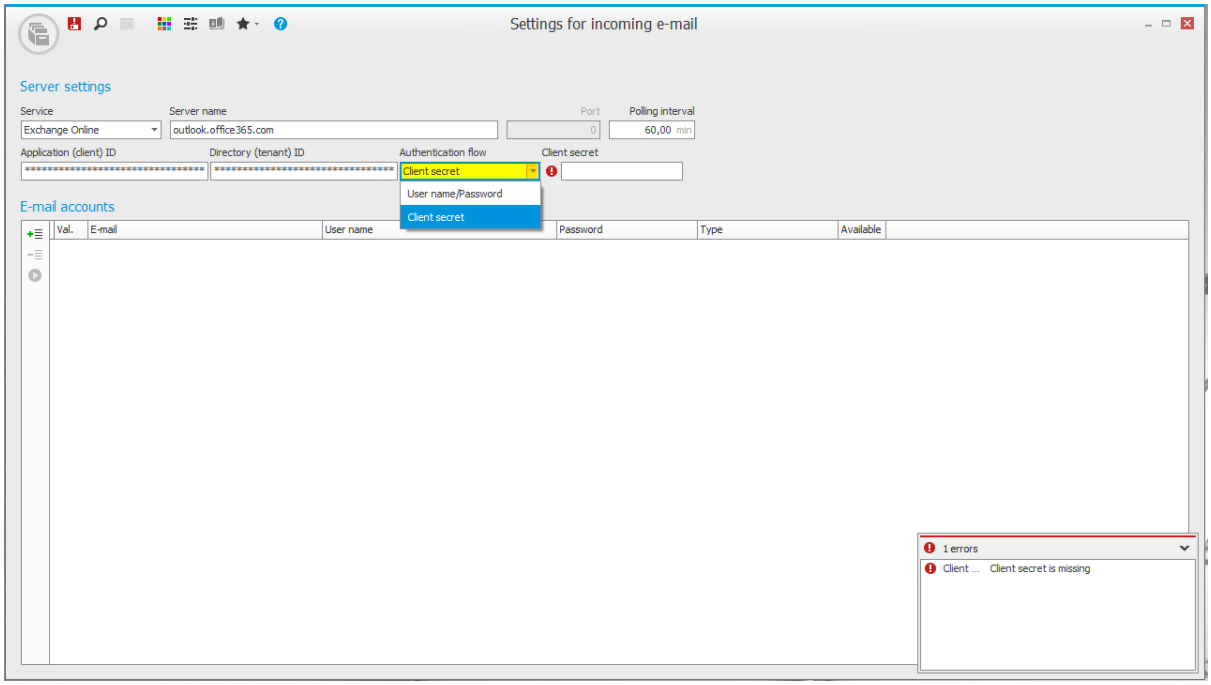
5. Enter the Application (client) ID.



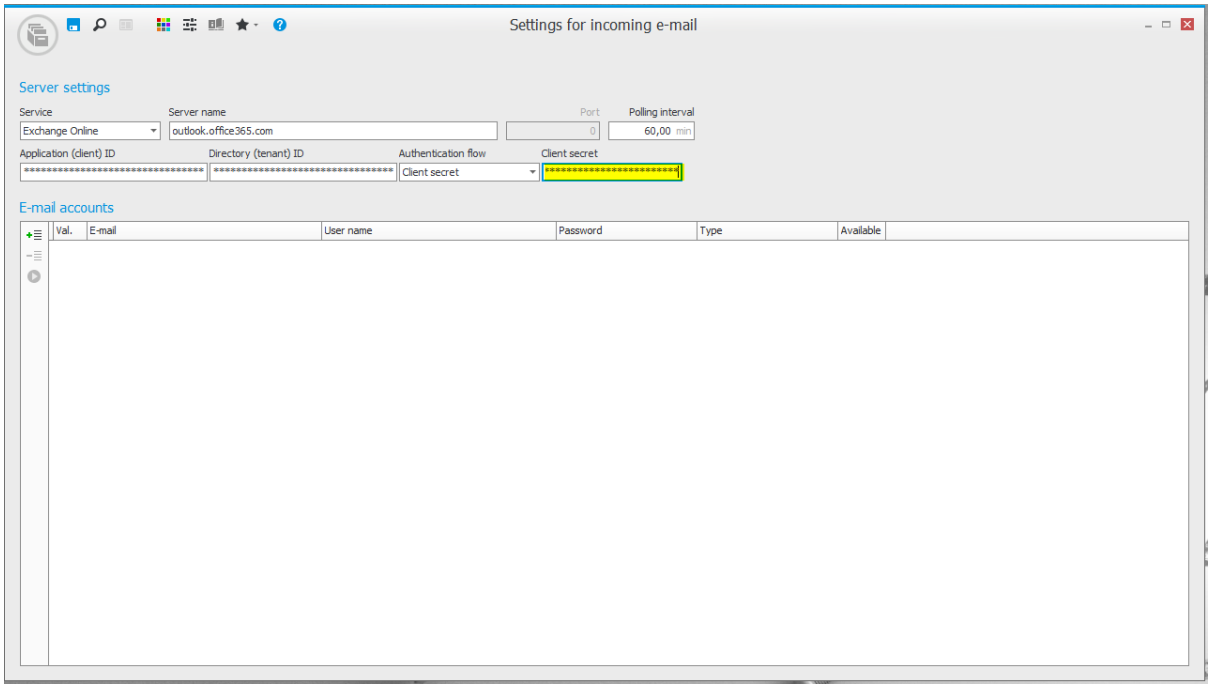
6. Enter the Directory (tenant) ID.



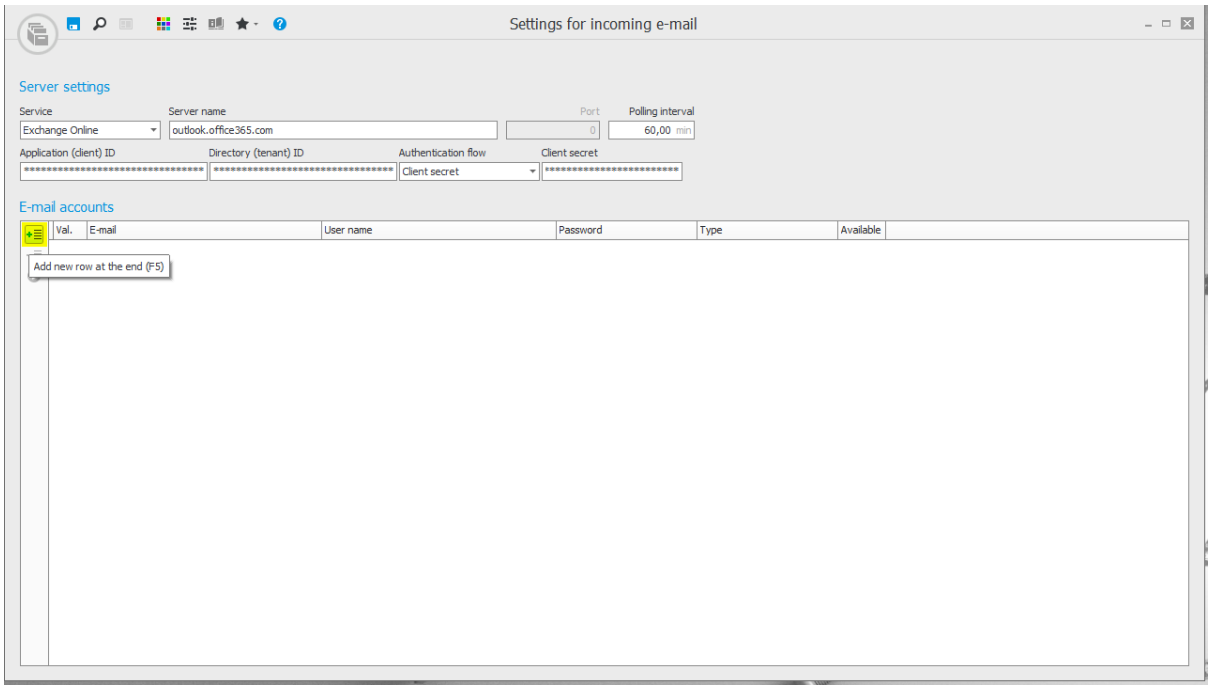
7. “Authentication flow” should be set to “Client secret”.



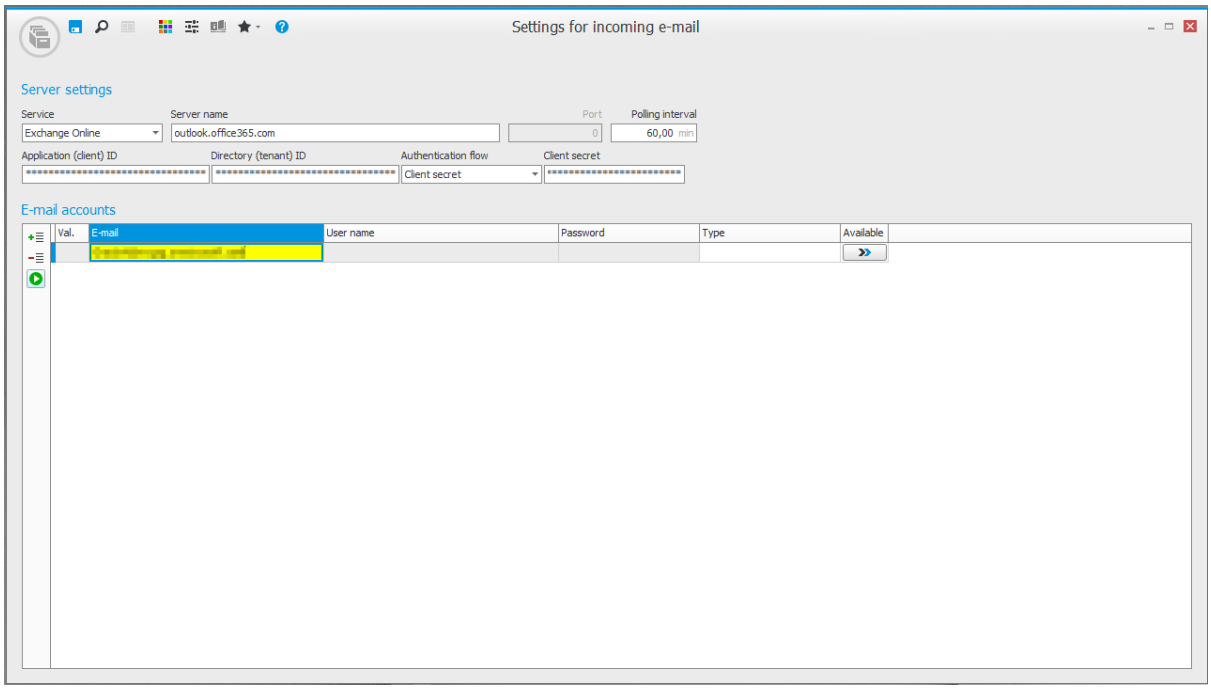
8. Enter the client secret.



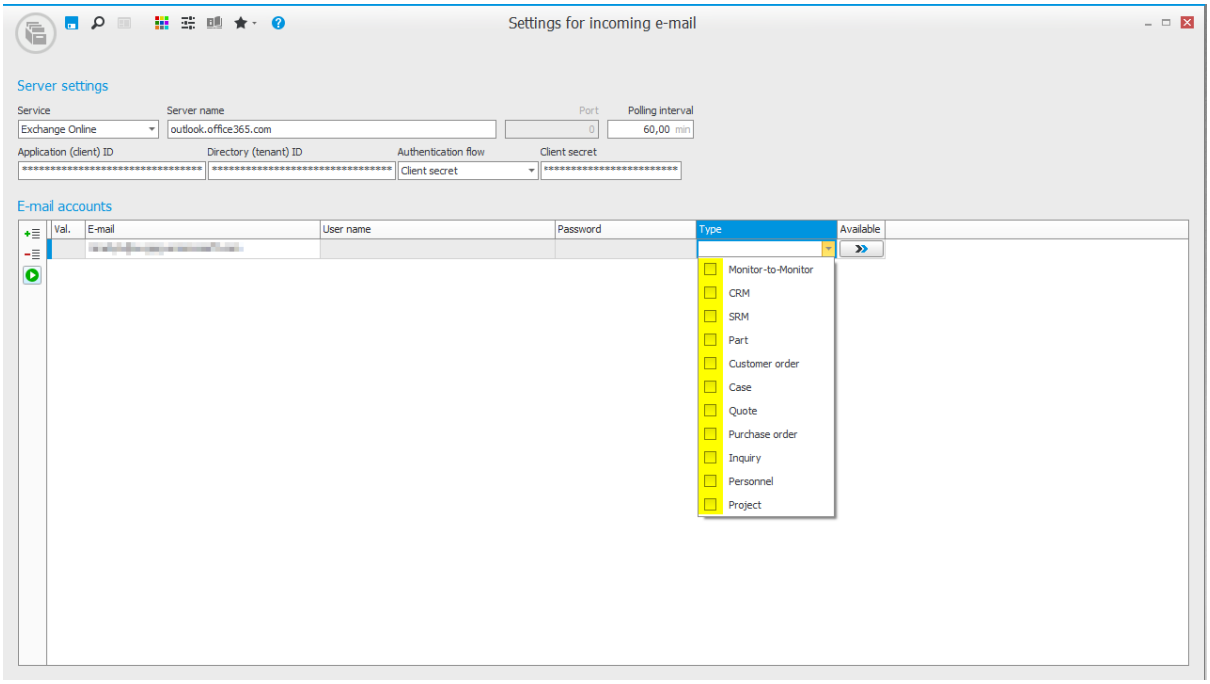
9. Add an e-mail account by pressing the plus icon or F5 on your keyboard.



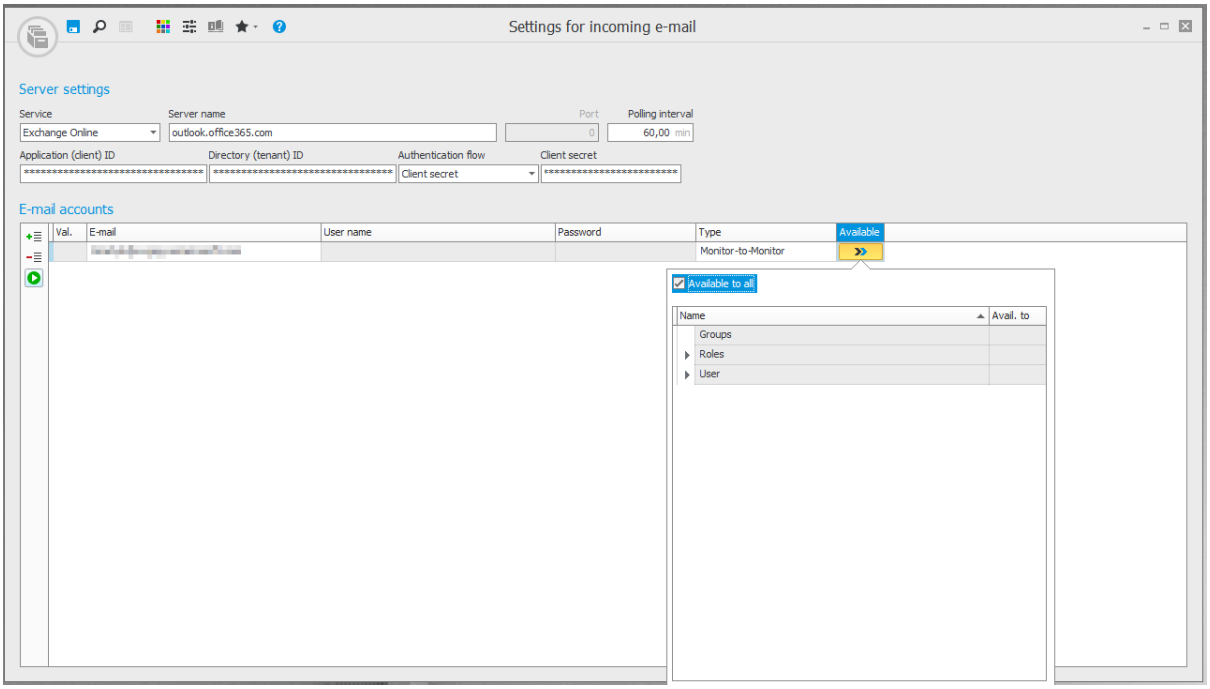
10. Enter the e-mail address.



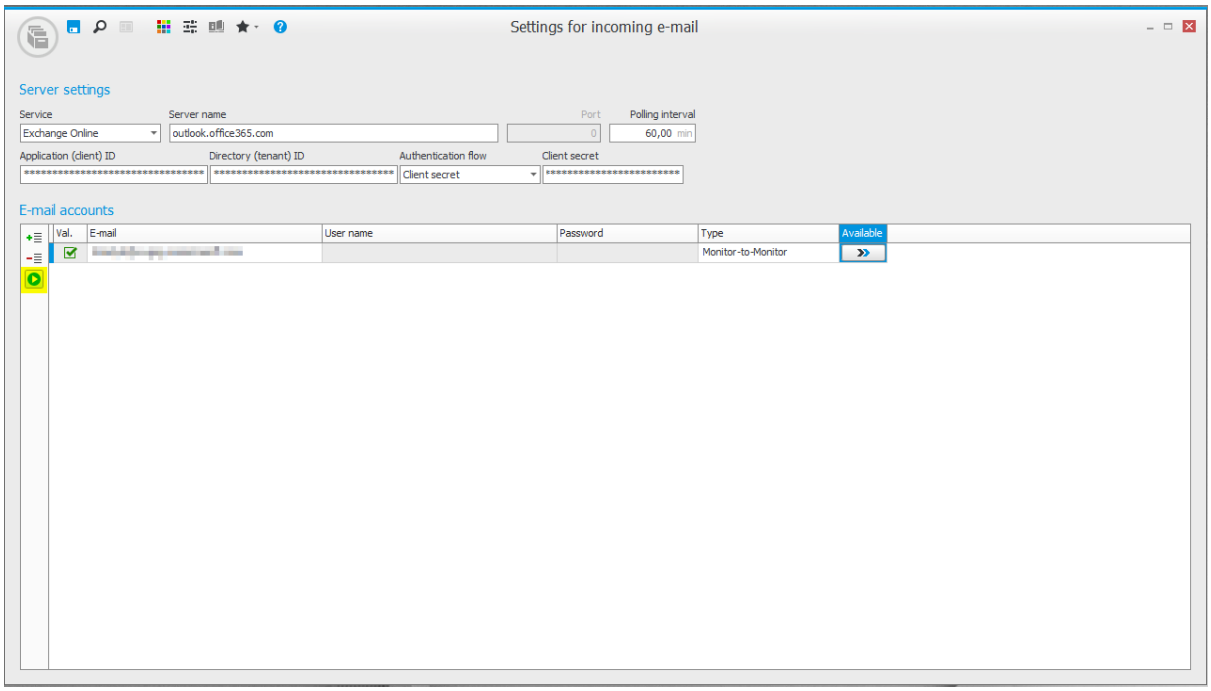
11. Select all "Types" that apply to your configuration of Monitor ERP, for example "Monitor-to-Monitor".



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.