

# Setting Up Microsoft SMTP with OAuth 2.0 in Nagios XI 2024

## Purpose

This document is intended for use by Nagios administrators who have experience with SMTP services and want to set up Microsoft SMTP in Nagios XI.

## Requirements

- PHP Version 7.4+ - You can follow this link to upgrade your PHP version: <https://support.nagios.com/kb/article/nagios-xi-upgrading-to-php-7-860.html>
- Nagios XI Version 2024 (this will not work for offline builds)
- A Microsoft Azure account with administrative privileges

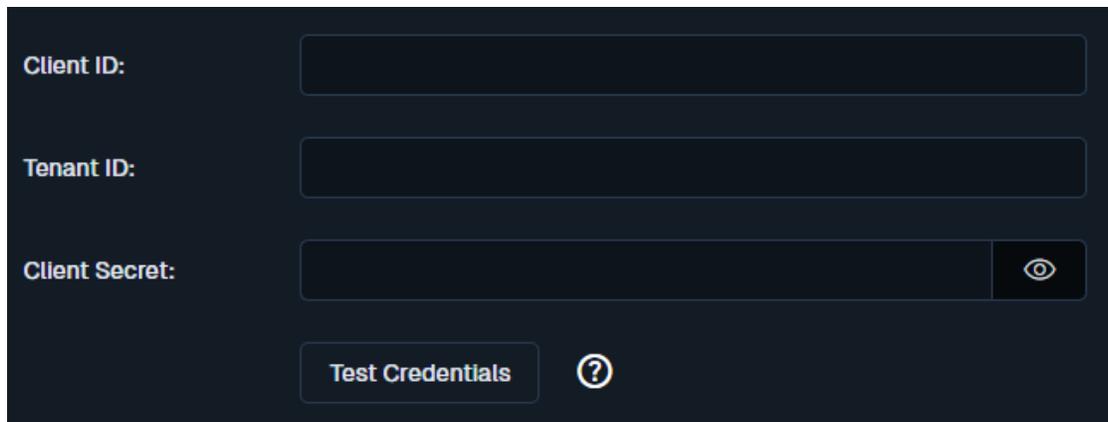
## Instructions

If you're familiar with setting up an application in the Azure portal you can use the shortcut found below, otherwise, continue past this section to **Register an Application with Microsoft Azure**.

1. Navigate to Required API Permissions.
2. Navigate to **Applications Permissions** and select **Mail.Send** (Requires Admin Consent)



3. On your Nagios XI server, navigate to **Admin > System Config > Email Settings**.
4. Select **Microsoft with OAuth2**, enter your credentials, and click the **Test Credentials** button.

A screenshot of the Nagios XI 'Email Settings' form. It has a dark background with light text. There are three input fields: 'Client ID:', 'Tenant ID:', and 'Client Secret:'. The 'Client Secret:' field has a toggle icon (an eye) to its right. At the bottom, there is a 'Test Credentials' button and a help icon (a question mark in a circle).

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## Register an Application with Microsoft Azure for your XI Server

Applications can be registered through several Microsoft portals. Below we will explore two different methods.

1. Registering via the **Microsoft Entra Admin Center**
  - a. Refer to Microsoft's documentation on how to [register an applications with the Microsoft identity platform](#).
2. Registering via a **Microsoft Entra ID** (Formerly Azure Active Directory)
  - a. Refer to Microsoft's documentation on how to [register an app with Microsoft Entra ID](#).

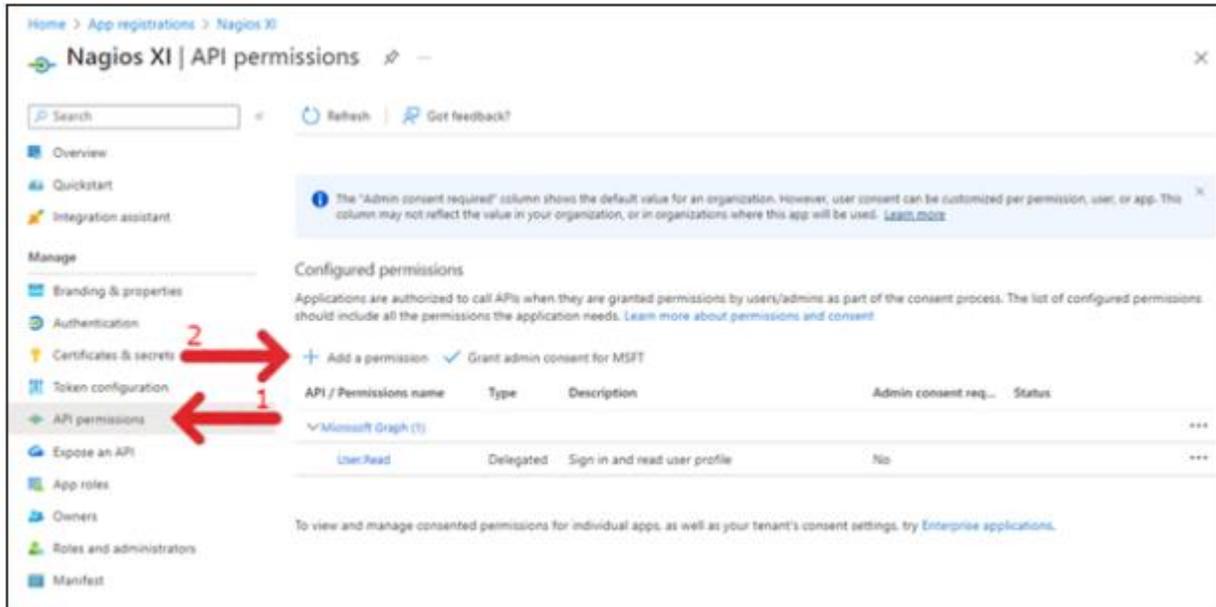
For both methods, give your app a name and select the appropriate account types for your situation. If you are unsure of which one to choose, just leave it on the default (MSFT only – Single tenant).

**Note:** You will only be able to access the API with accounts your app was configured to. If you need to send mail from an account outside of your tenant, you will need to adjust the supported account types accordingly.

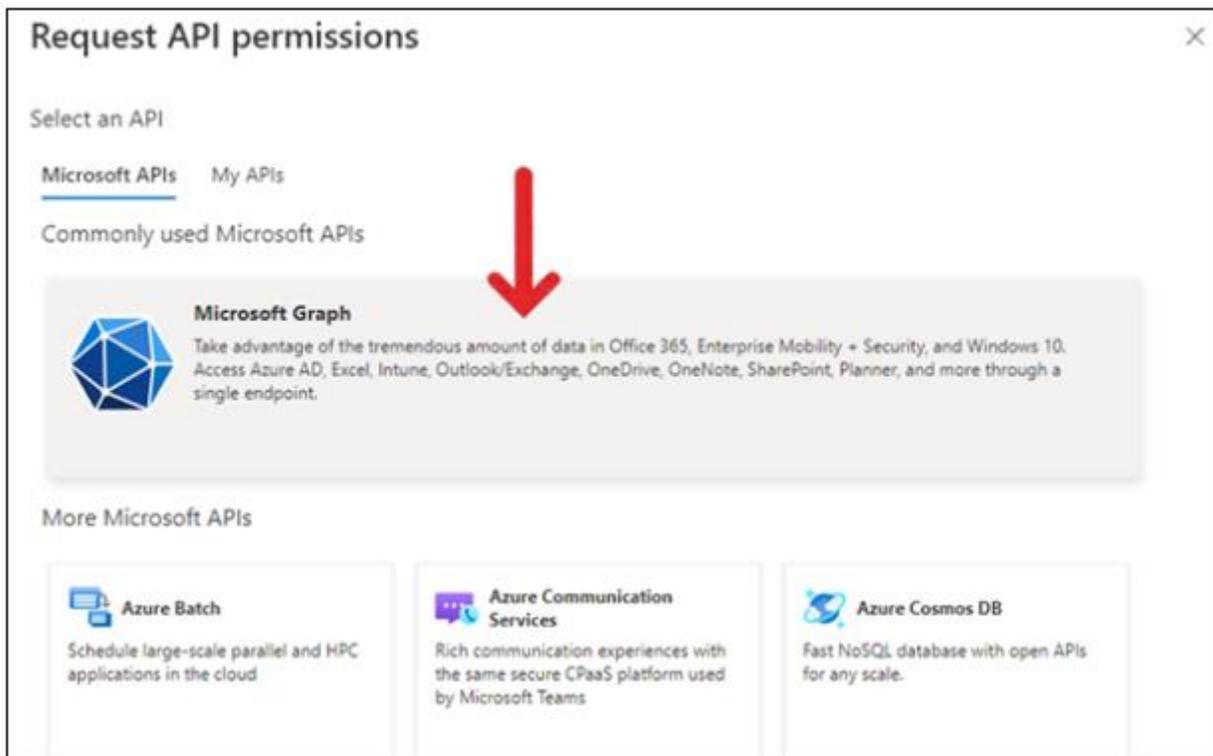
## Give your Registered Application (XI Server) Permission to Send Mail

1. Add a permission to your application API permissions.
  - a. From the **Microsoft Entra ID** or **Microsoft Entra Admin Center** home page, navigate to **Applications > App registrations**, and then select your application (Nagios XI or whatever you named it).
  - b. Select **API permissions**, then **Add a permission**.

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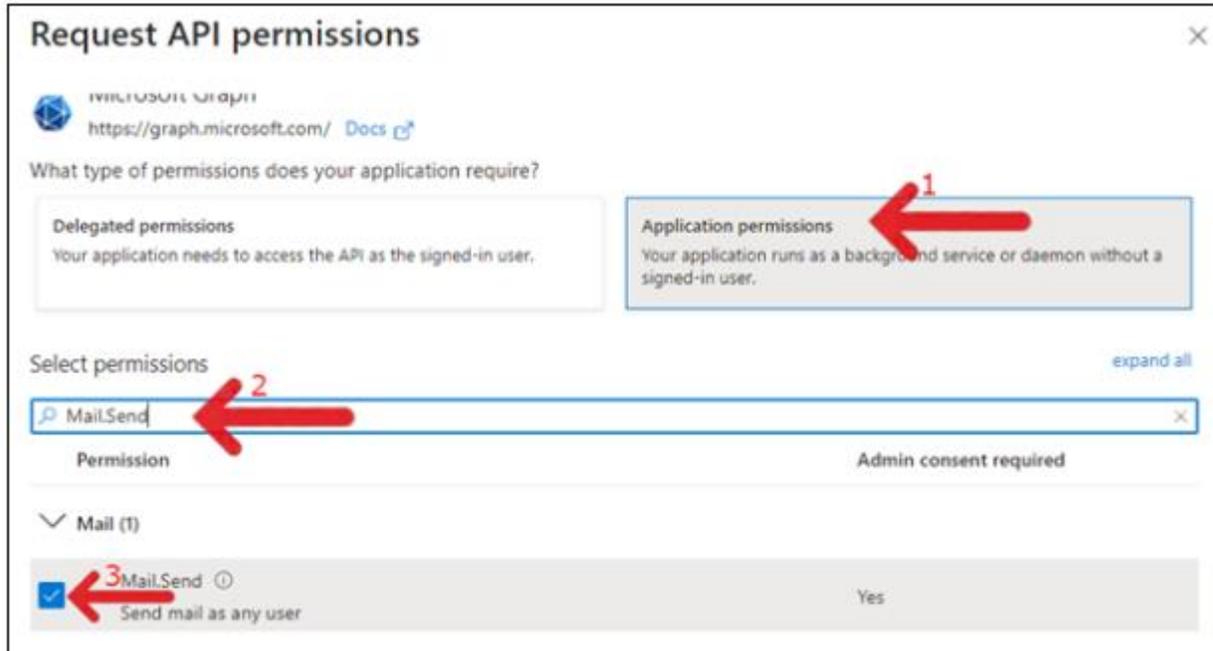


## 2. Select Microsoft Graph.



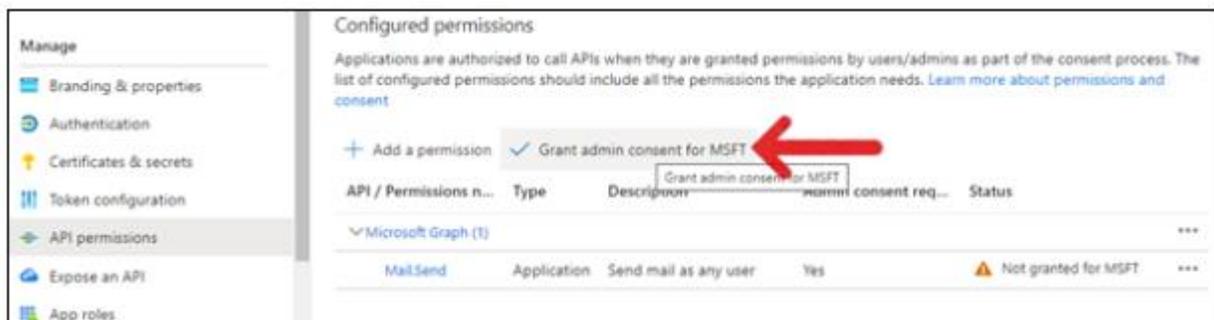
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3. Under **Application Permissions** select **Mail.Send**.



**Note:** You may remove your application's default User. Read permission.

4. Click **Grant admin consent for** \_\_\_\_.



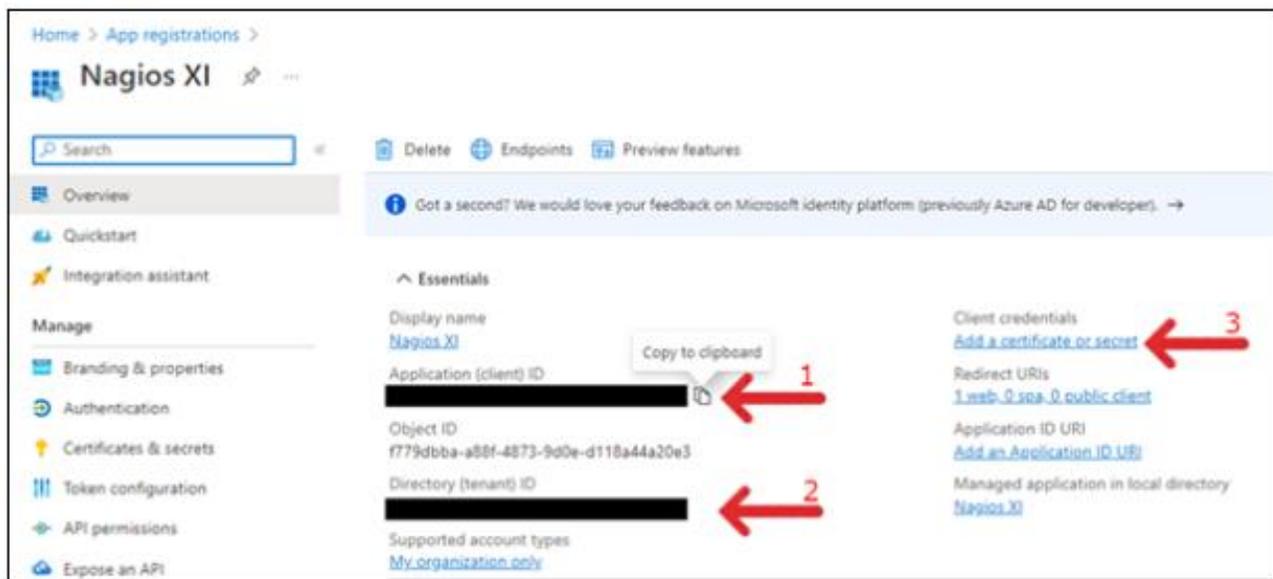
**Note:** Your permission should now look like the image below.



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## Copy your Microsoft OAuth2 credentials to your Nagios XI OAuth configuration page

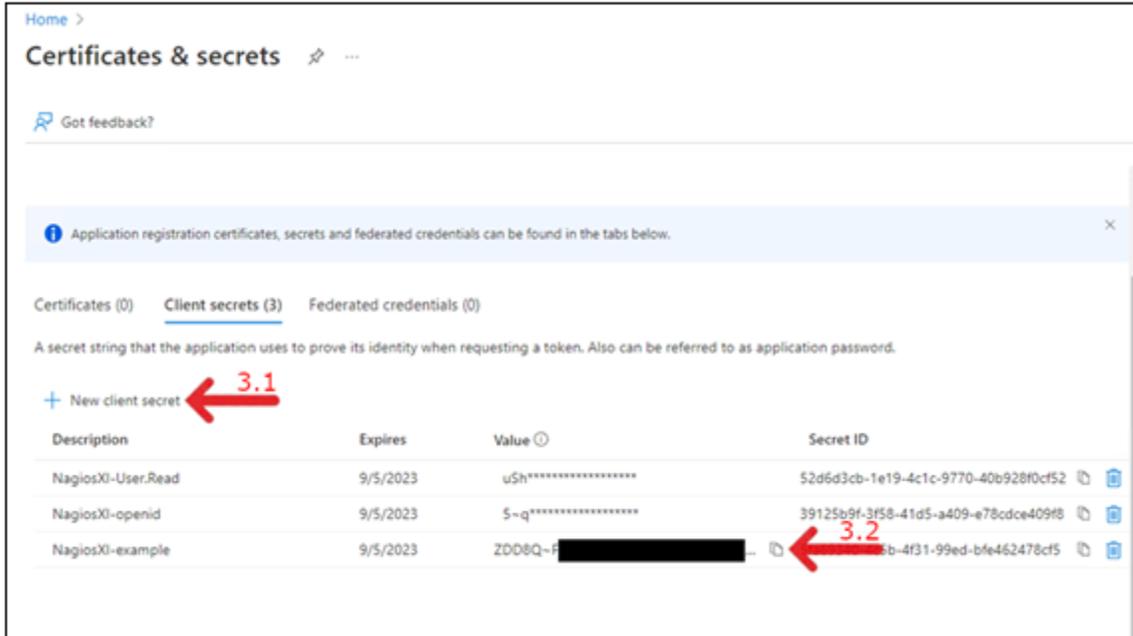
1. From the **Microsoft Entra ID** or **Microsoft Entra Admin Center** home page, navigate to **App Registrations > [Your Application] > Overview**
2. Copy your **Application (client) ID** (1 in the picture below) and paste it to your Nagios XI OAuth configuration page. To get to this page in your Nagios XI interface, navigate to **Admin > System Config > Email Settings** and select **Microsoft with OAuth2**.
3. Copy your **Directory (tenant) ID** (2 in the picture below) and paste it to your Nagios XI OAuth configuration page.



4. Click the **Add a certificate or secret** link (3 in the picture above).
5. Click the **+ New client secret** and create the secret (3.1 in the picture below).

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- Copy your **Client Secret** (3.2 in the picture below) and paste it to your XI OAuth configuration page as shown in the image below.



Client ID: d09b237e-f918b-4a9d-84a9-0e1eabc6bee2

Tenant ID: 4d14c932-c5f3-48a3-bdb2-7771a2c5f5c6a7

Client Secret: .....

Test Credentials ?

- You can now verify your credentials with Microsoft by using the **Test Credentials** button.

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## Troubleshooting

A common error and solution are presented below.

### Issue

You get the following error after completing the setup: "**Mail failed to send... Resource could not be discovered.**"

### Solution

In Nagios XI, navigate to **Admin > Email Settings**. Ensure that you have updated the **Send From** field on the **Outbound** tab of the **Email Settings** page. Also ensure that all other settings on this page are appropriate for your Microsoft with OAuth 2 setup.

## Finishing Up

This completes the documentation on **Setting up Microsoft SMTP with OAuth 2.0 in Nagios XI**. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

[Visit Nagios Support Forum](#)

[Visit Nagios Knowledge Base](#)

[Visit Nagios Library](#)