

How to setup SMTP in OAuth2.0 for TEOS

Document revision 1.0

Description

Following the standards of IT, TEOS support now SMTP OAuth2.0 instead of adding a SMTP relay to be able to send emails using an Azure app. The relay SMTP still exists but must be setup in database.

This documentation will explain how to set it up with TEOS and Azure.

Requirements

- Manage for TEOS server installed (from Version 3.3 at least)
- Manage for TEOS need to access Azure AD
- Access to the Manage for TEOS webpage interface with admin rights.
- Make sure TEOS Manage server can reach the following URLs in internet (port 443):
 - [Portal.azure.com](https://portal.azure.com)
 - outlook.office365.com
 - login.microsoftonline.com
 - Auth.teosmanage.com
 - Graph.microsoft.com

Contents

Requirements	3
Contents	3
1. Authenticate SMTP connection using OAuth.	4
2. Configure your Azure Environment	4
3. Configuration under TEOS	9

1. Authenticate SMTP connection using OAuth.

SMTP (Simple Mail Transfer Protocol) is a TCP/IP protocol used in sending and receiving email. SMTP is used most by email clients, including Gmail, Outlook, etc.

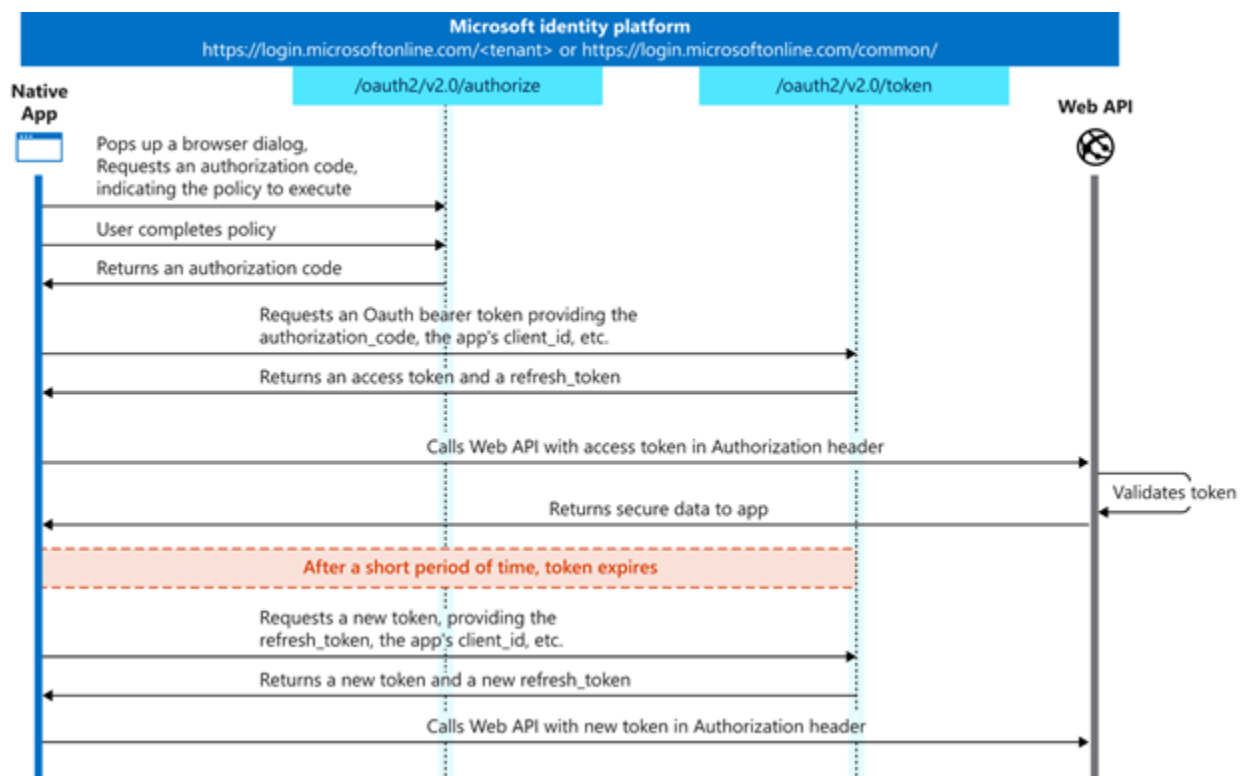
SMTP can send and receive email, but email clients typically use a program with SMTP for sending email. Because SMTP is limited in its ability to queue messages at the receiving end, it's usually used with either Post Office Protocol 3 (POP3) or Internet Message Access Protocol (IMAP), which lets the user save messages in a server mailbox and download them periodically from a server. SMTP is typically limited to and relied on to send messages from a sender to a recipient.

Learn how to use OAuth authentication to connect with IMAP, POP, or SMTP protocols and to access email data for Office 365 users. OAuth2 support for IMAP, POP, and SMTP protocols as described below is available for both Microsoft 365 (which includes Office on the web) and Outlook.com users. You can use the OAuth authentication service provided by Azure Active Directory (Azure AD) to enable your application connect with IMAP, POP, or SMTP protocols to access Exchange Online in Office 365. To use OAuth with your application, you need to:

Register your application with Azure AD.

Get an access token from a token server.

Authenticate connection requests with an access token.



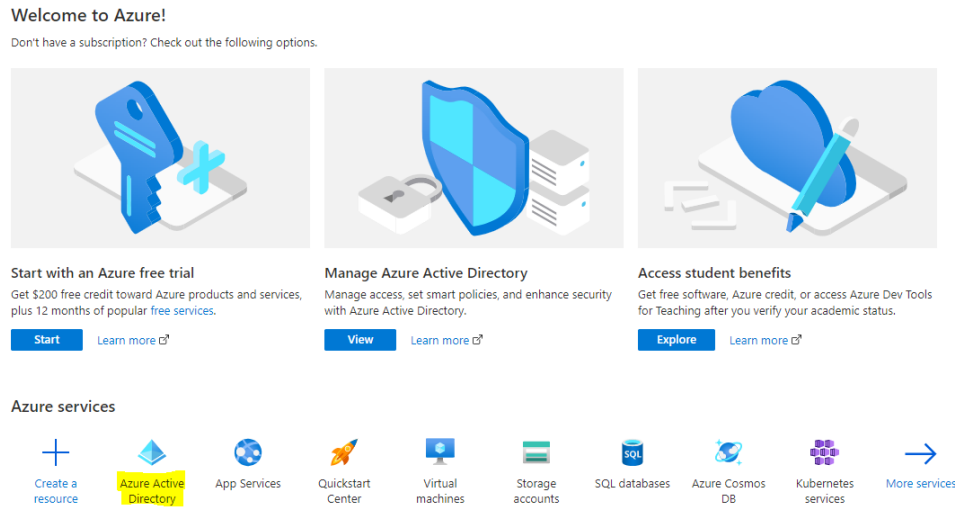
<https://learn.microsoft.com/en-us/exchange/client-developer/legacy-protocols/how-to-authenticate-an-imap-pop-smtp-application-by-using-oauth>

2. Configure your Azure Environment

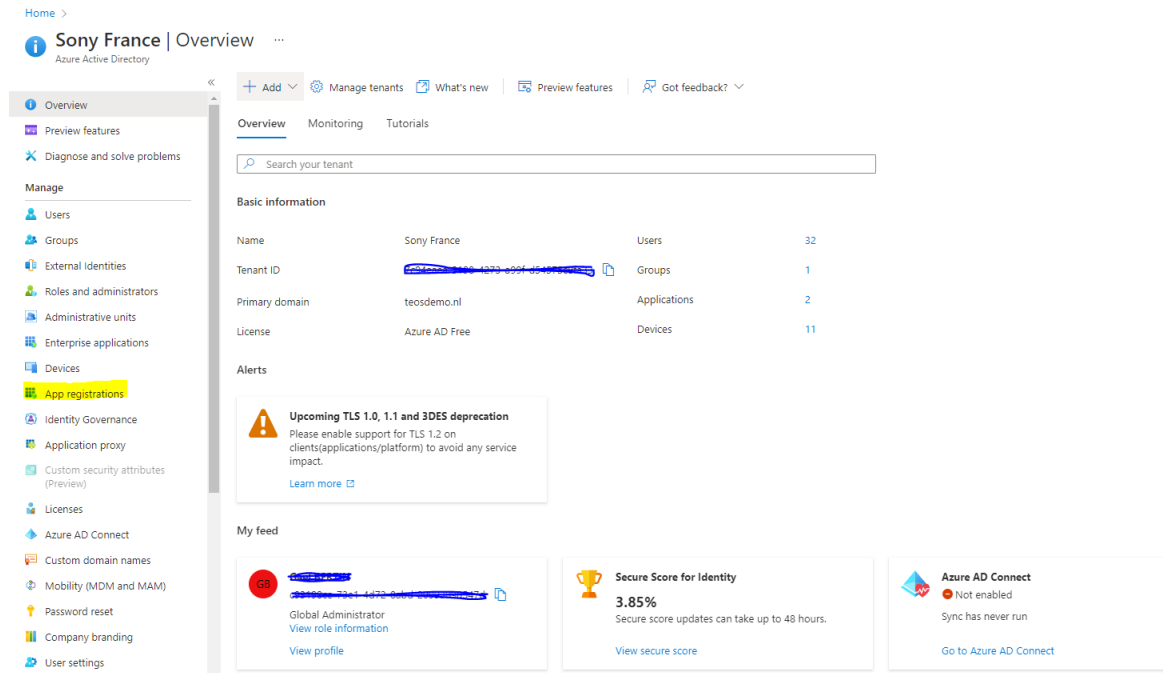
You will need to go to <https://portal.azure.com> to start the configuration of the TEOS application in your Tenant.

Sign-in with admin rights to be able to create applications and be able to consent permissions.

1) When logged in into azure portal, go to Azure Active Directory



2) Go to the left column and click on app registrations to be able to create you TEOS application



3) Under app registrations press "New registration" and define a name for the App.

Overview

Preview features

Diagnose and solve problems

Manage

- Users
- Groups
- External identities
- Roles and administrators
- Administrative units
- Enterprise applications
- Devices
- App registrations**
- Identity Governance
- Application proxy

New registration

Endpoints

Troubleshooting

Refresh

Download

Preview features

Got feedback?

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 upgrade to Microsoft Authentication Library (MSAL) and Microsoft Graph. [Learn more](#)

All applications

Owned applications

Deleted applications

Start typing a display name to filter these results

Application (client) ID starts with

Add filters

1 applications found

Display name

TR

TEOS room booking

- Define a name that you can easily recognize for a region or a country or where you will use the rooms/users. For Azure AD synchronization only, no need to add a redirect URI, the redirect URI is used mainly for Office365 rooms management and for our TEOS Employee App and Mobile App

Register an application

* Name

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

TEOS-AzureAD

Supported account types

Who can use this application or access this API?

☒ Accounts in this organizational directory only (Sony France only - Single tenant)

☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant)

☐ Accounts in any organizational directory (Any Azure AD directory - 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.

Web

e.g. https://example.com/auth

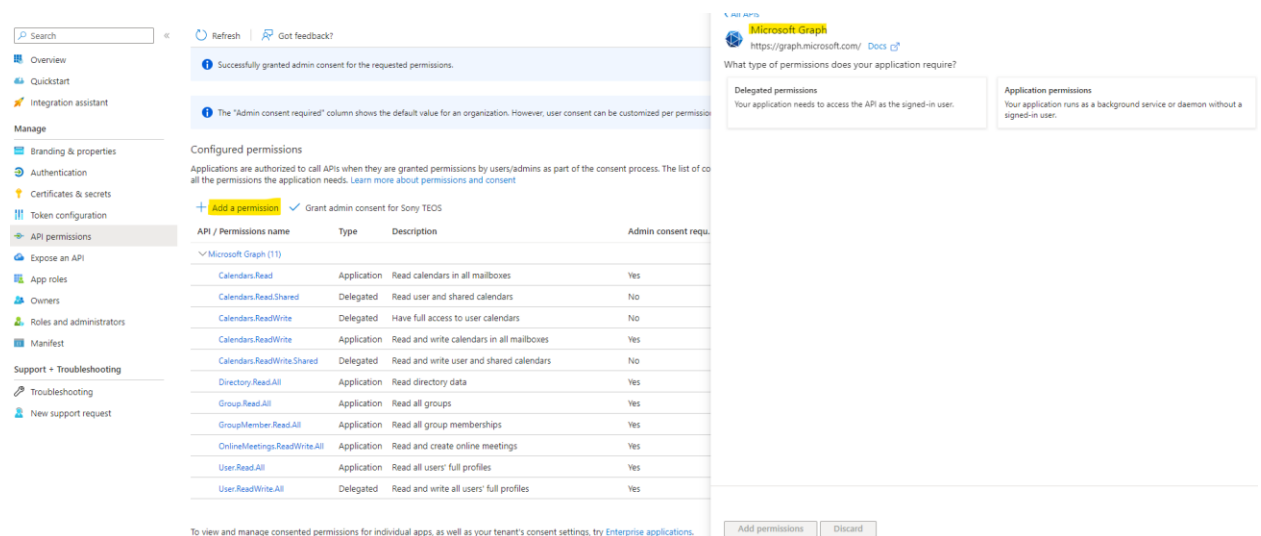
Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from [Enterprise applications](#).

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

Register

URL redirect for TEOS Manage SMTP (to get general emails, reports, notifications from TEOS):
<https://yourtenant.teoscloud.com/designer/pages/smtptoken.aspx>

- When you pressed to register, go then to API permissions, and start to add permissions by pressing "add a permission" and select Microsoft graph



Select if your permission is an application type permission or a delegated permission (in Azure AD it is only Application permissions)

Request API permissions

< All APIs



Microsoft Graph

<https://graph.microsoft.com/> [Docs](#)

What type of permissions does your application require?

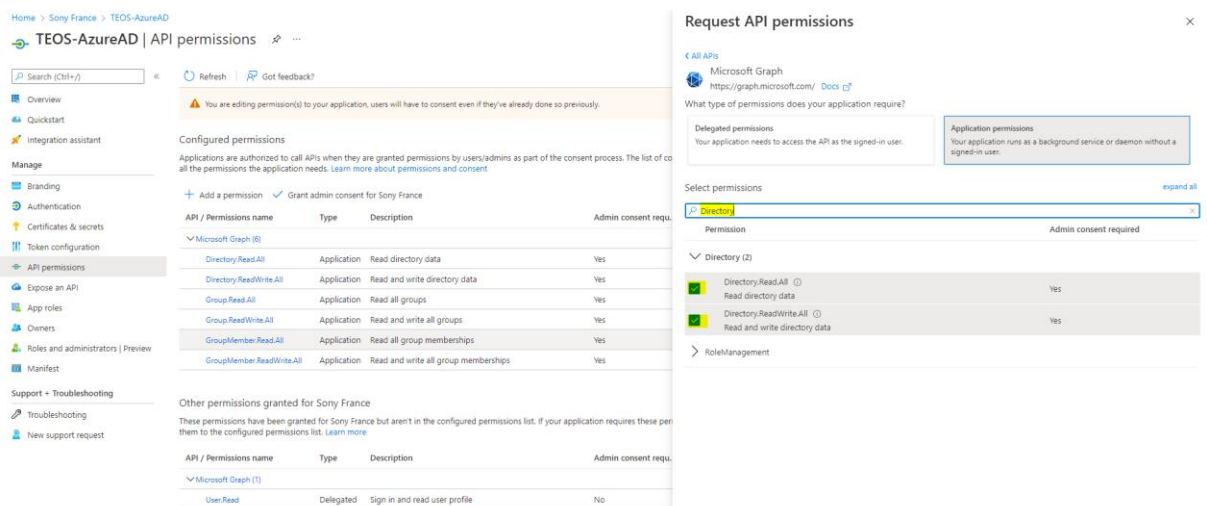
Delegated permissions

Your application needs to access the API as the signed-in user.

Application permissions

Your application runs as a background service or daemon without a signed-in user.

You can then search by the name of the requested permission and select the checkbox to add it

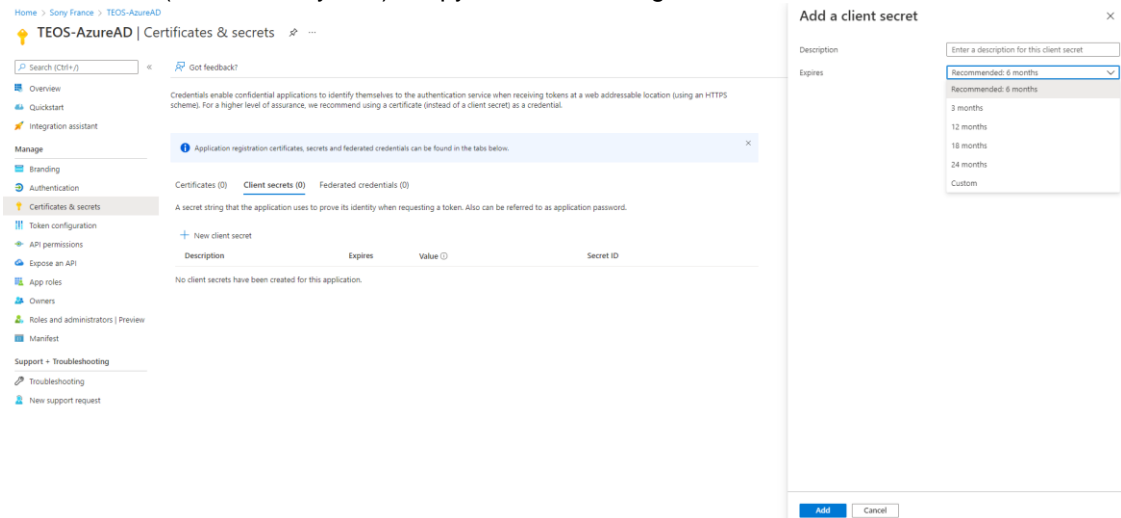


To get TEOS working with Azure AD you will need the following permissions:

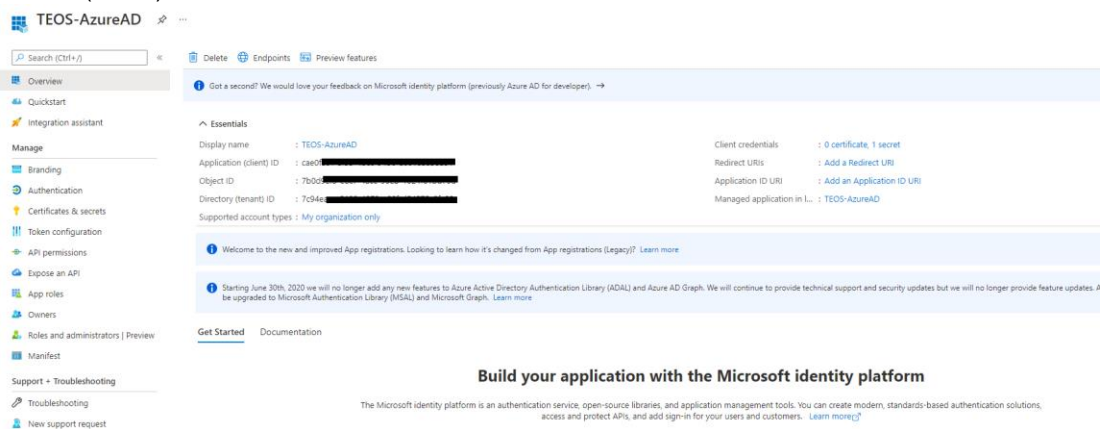
Permission name SMTP	Type	Description
SMTP.Send	Delegated	Send emails from mailboxes using SMTP AUTH.
email	Delegated	Show the user email address
Mail.send	Application	Send as user (can be a resource email address)
Mail.send	Delegated	Send an email on behalf of user

With those permissions, TEOS (when configured) will be able to get the user emails and send emails with the email address setup, the email address can be a dedicated one like for example teosinfo@company.com and reception@company.com to be able to send emails

- 6) After adding all the permission, you need to get a Client Secret that we will use by TEOS together with the Tenant ID and Client ID to be able to get the data. For that go to “Certificates & secrets” which on the left column. You can define under this section the expiration tie for the Client Secret (maximum 2 years). Copy then the value generated.



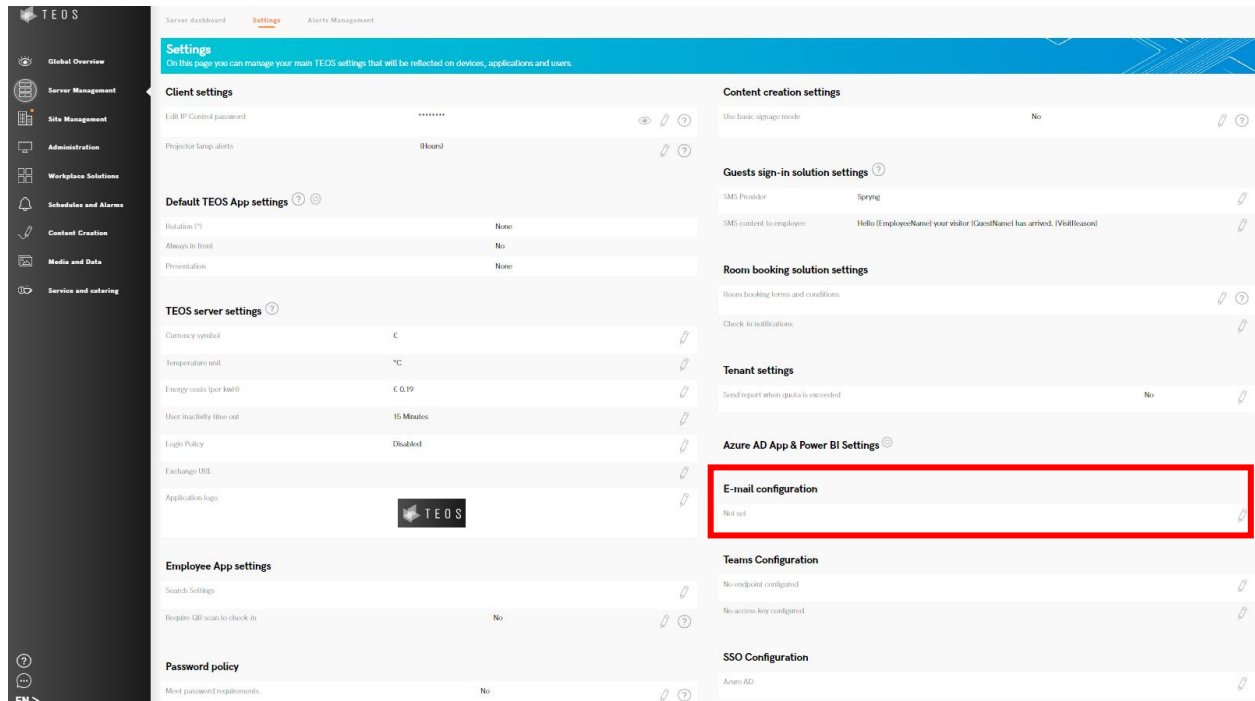
- 7) You can you then to your overview the find again the Client ID, Tenant ID on top of the Client Secret (value).



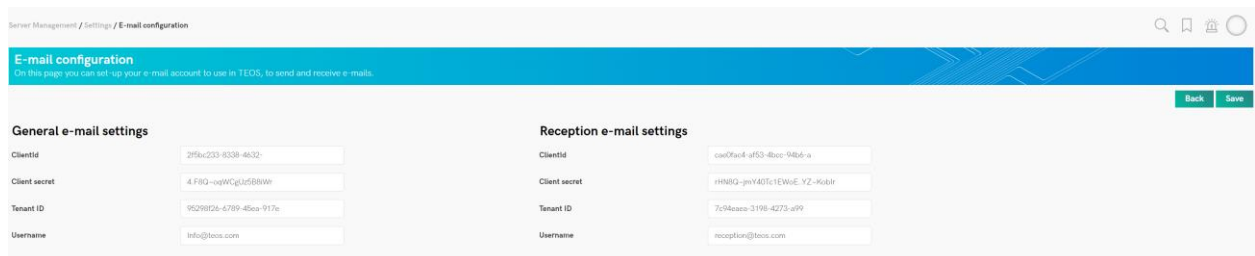
3. Configuration under TEOS

After making sure you have all your users including admin users, Go to server management > settings.

You can find the “E-Mail Configuration” option, click on the pencil to edit it



Within this section you will be able to add the Client ID, Tenant Id and Secret key value together with the email address you want to use for sending the general emails (alerts, reports, notifications for service and catering) and Reception email for the reception module to send notifications.



Click save on the right top page.

By saving TEOS will make a test email and report back an error if the test email did not work. When saving and everything works TEOS will give the notification that the email connection to be sent has been setup properly.

If any issue on configuration happens, contact us to support@teos.support

SONY



For more information
visit **pro.sony/TEOS**

© 2024 Sony Corporation