

# Azure App Configuration for Tenant Management

## Summary

This article provides a summary of Azure App Configuration for Tenant Management in MachPanel.

## Applies To

This article applies to MachPanel build version 7.0.41 and above.

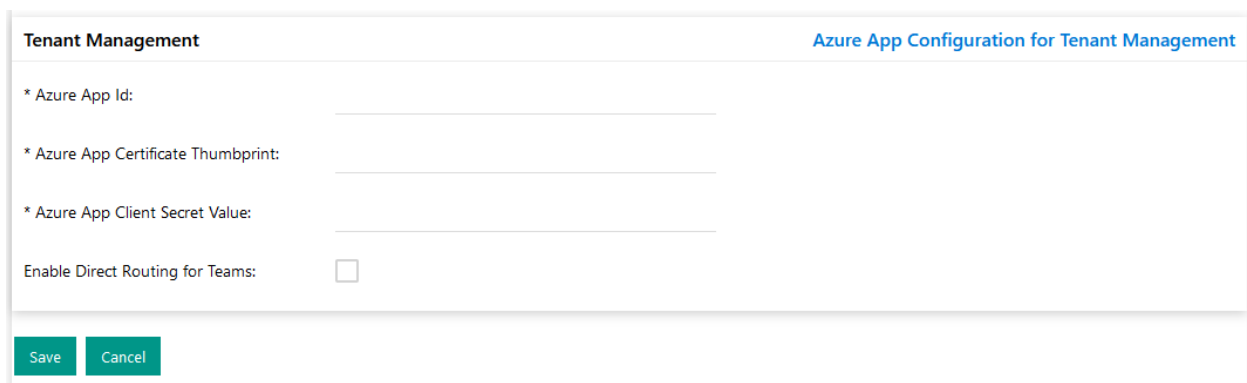
## Note

Please follow below article first, If you have not reviewed it yet.

<https://kb.machsol.com/Knowledgebase/54511/CSP-Module-Configuration-Guide->

## Steps Procedure

- You will be asked to fill following details while adding profile which can be captured using below section "**Azure App Configuration**":



The screenshot shows a form titled "Tenant Management" with a sub-header "Azure App Configuration for Tenant Management". The form contains the following fields:

- \* Azure App Id: [Text input field]
- \* Azure App Certificate Thumbprint: [Text input field]
- \* Azure App Client Secret Value: [Text input field]
- Enable Direct Routing for Teams:

At the bottom of the form, there are two buttons: "Save" and "Cancel".

## AZURE APP CONFIGURATION

- Create / Register Azure App in Azure Active Directory as depicted.

# Azure App Configuration for Tenant Management

Overview | App registrations

Overview | **+ New registration** | Endpoints | Troubleshooting | Refresh | Download | Preview features | Got feedback?

## Register an application

Supported account types

Who can use this application or access this API?

- Accounts in this organizational directory only (MachSol Inc 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 |

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**

Overview | Quickstart | Integration assistant | Manage | Branding & properties | Authentication | Certificates & secrets | Token configuration | API permissions

### Essentials

Display name	:		Client credentials	:	<a href="#">1 certificate_1_secret</a>
Application (client) ID	:	6 f2 3c45 991 . ba-b . J6 >40L . ob	Redirect URIs	:	<a href="#">2 web_0_spa_1_public_client</a>
Object ID	:	c d2 a-6 1b- f4- 92-: e9; :17	Application ID URI	:	<a href="#">Add an Application ID URI</a>
Directory (tenant) ID	:		Managed application in I...	:	
Supported account types	:				

**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](#)**

## Take a Note of Application (Client) ID, need to be filled in MachPanel Configuration Page.

- Generate Self Signed Certificate and Upload to Azure App.
  - o [Create Self signed Certificate](#)
  - o Run downloaded script as below in shell window.
  - o `.\Create-SelfSignedCertificate.ps1 -CommonName "Cert-Name" -StartDate ((Get-Date).AddDays(-1)) -EndDate ((Get-Date).AddDays(-1).AddYears(3))`

# Azure App Configuration for Tenant Management

*-Password (ConvertTo-SecureString -String "P@ssw0rd123#" -AsPlainText -Force)*

1. Mention your own Cert-Name
2. Mention your own password
3. Mention duration in number of years

- Upload Certificate to Newly Registered Azure App

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Expose an API

Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (1) Client secrets (1) Federated credentials (0)

Certificates can be used as secrets to prove the application's identity when requesting a token. Also can be referred to as public keys.

Upload certificate

Thumbprint	Description	Start date	Expires	Certificate ID
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- [Install/Configure](#) Certificate on Powershell Host Machine (Control Server) in both "My user account" & "Computer account"

**Take a Note of Thumbprint, need to be filled in MachPanel Configuration Page.**

- Generate Client Secrets.

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Certificates (1) Client secrets (1) Federated credentials (0)

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

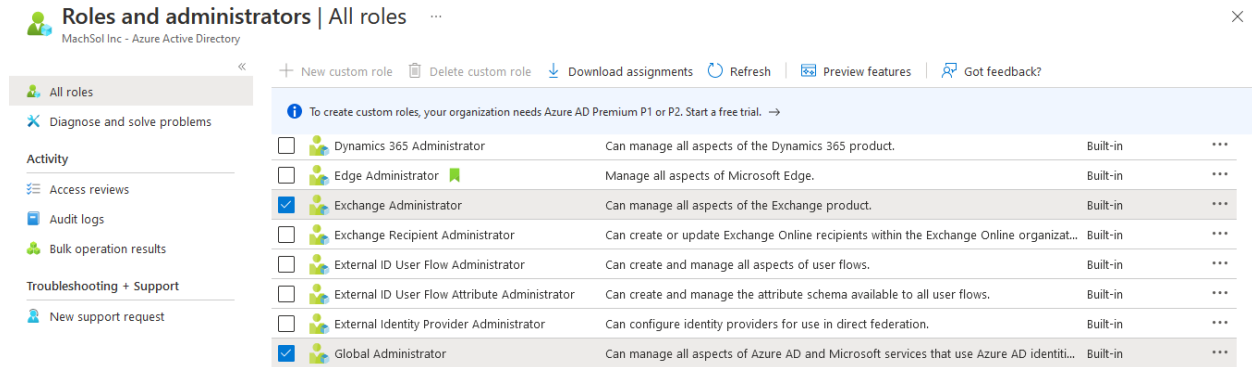
+ New client secret

Description	Expires	Value	Secret ID
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**Take a Note of Value, need to be filled in MachPanel Configuration Page.**

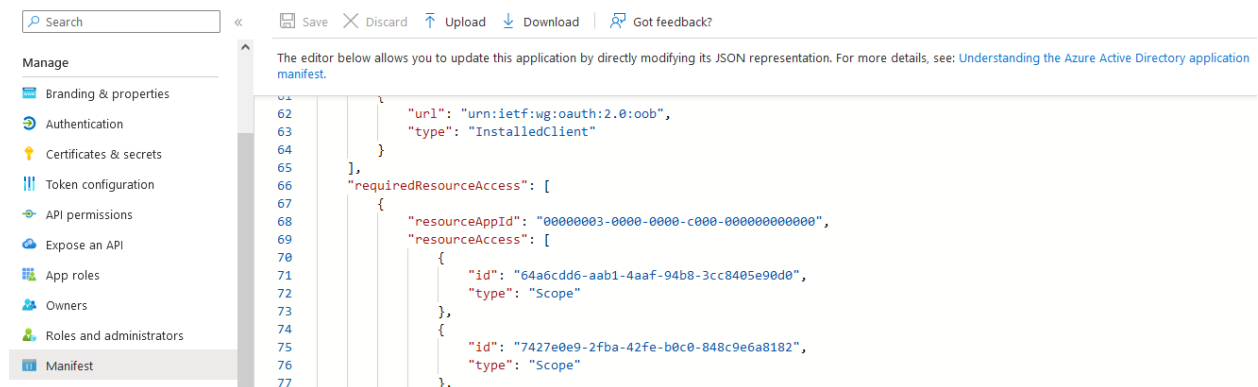
# Azure App Configuration for Tenant Management

- Assign Global Administrator and Exchange Administrator Roles to the App.



Double Click Role Name -> Click Add Assignment -> Search New Created Azure App and Select -> Add

- Assign API Permissions.
  - o Click on your desired Application, and click the option "Manifest"
  - o Locate "requiredResourceAccess" and replace as explained in attached "API Permissions.txt".



- Grant Admin Consent as Depicted





# Azure App Configuration for Tenant Management

MachPanel Knowledgebase

<https://kb.machsol.com/Knowledgebase/55720/Azure-App-Configuration-for-Tena...>