

Federator.ai - Azure App Registration Setup Guide

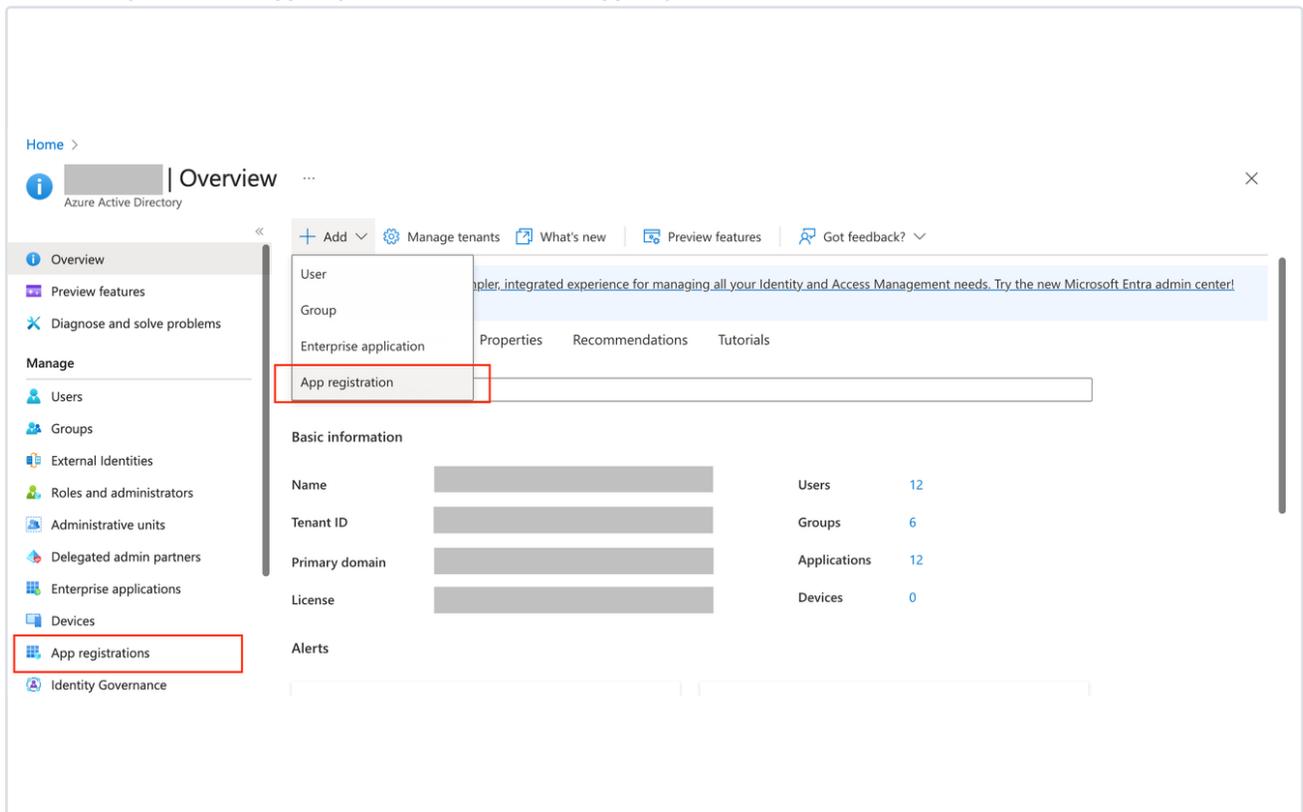
- [Register an Application in the Azure Portal](#)
- [Add Azure VMs/VM Scale Sets to Federator.ai](#)

ProphetStor Federator.ai uses Azure Monitor APIs and Azure APIs to collect metrics/metadata from Azure Monitor, Virtual Machines, and Virtual Machine Scale Sets. In order to obtain correct credentials for Federator.ai, you have to create an Azure app registration for Federator.ai.

This document provides step-by-step instructions in creating an Azure app registration in the Azure portal and completing the configuration setup to add Azure VMs/VM Scale Sets clusters to Federator.ai.

Register an Application in the Azure Portal

1. Sign in to the [Azure Portal](#).
2. Select **Azure Active Directory**
3. Under **Manage** and select **App Registrations**. Click **Add > App Registration**.



4. Enter a display name `federatorai-integration` or a name of your own choosing, and select **Accounts in this organizational directory only** for **Supported account types**.

Home > [redacted] | App registrations >

Register an application

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

federatorai-integration ✓

Supported account types
Who can use this application or access this API?

Accounts in this organizational directory only ([redacted] 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.

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

5. Click **Register** to create an app registration.

6. Copy Application (client) ID and Directory (tenant) ID for configuring Federator.ai later.

Home > [redacted] | App registrations >

federatorai-integration

Search << Delete Endpoints Preview features

Overview

Quickstart

Integration assistant

Manage

Branding & properties

Authentication

Certificates & secrets

Token configuration

API permissions

Expose an API

Got a second? We would love your feedback on Microsoft identity platform (previously Azure AD for developer). →

Essentials

Display name
[federatorai-integration](#)

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
[Add a Redirect URI](#)

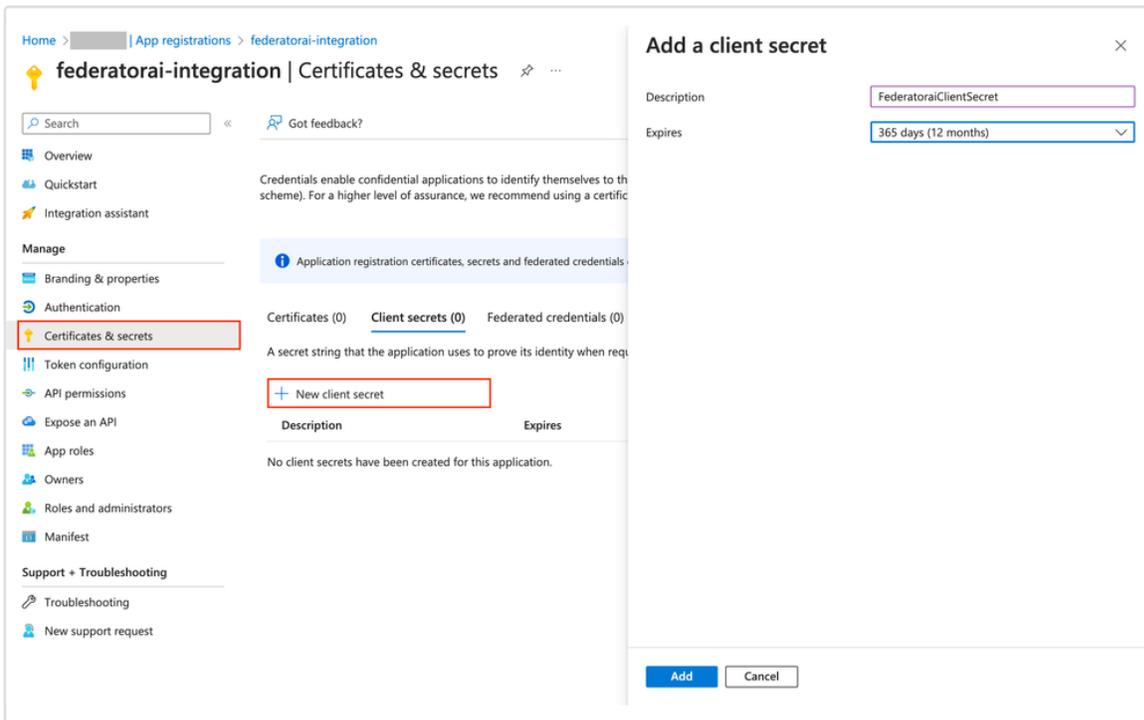
Application ID URI
[Add an Application ID URI](#)

Managed application in local directory
[federatorai-integration](#)

7. Add a new client secret for the application. Go to **Manage > Certificates and secrets > New Client Secret**.

a. Enter `FederatoraiClientSecret` for the Description

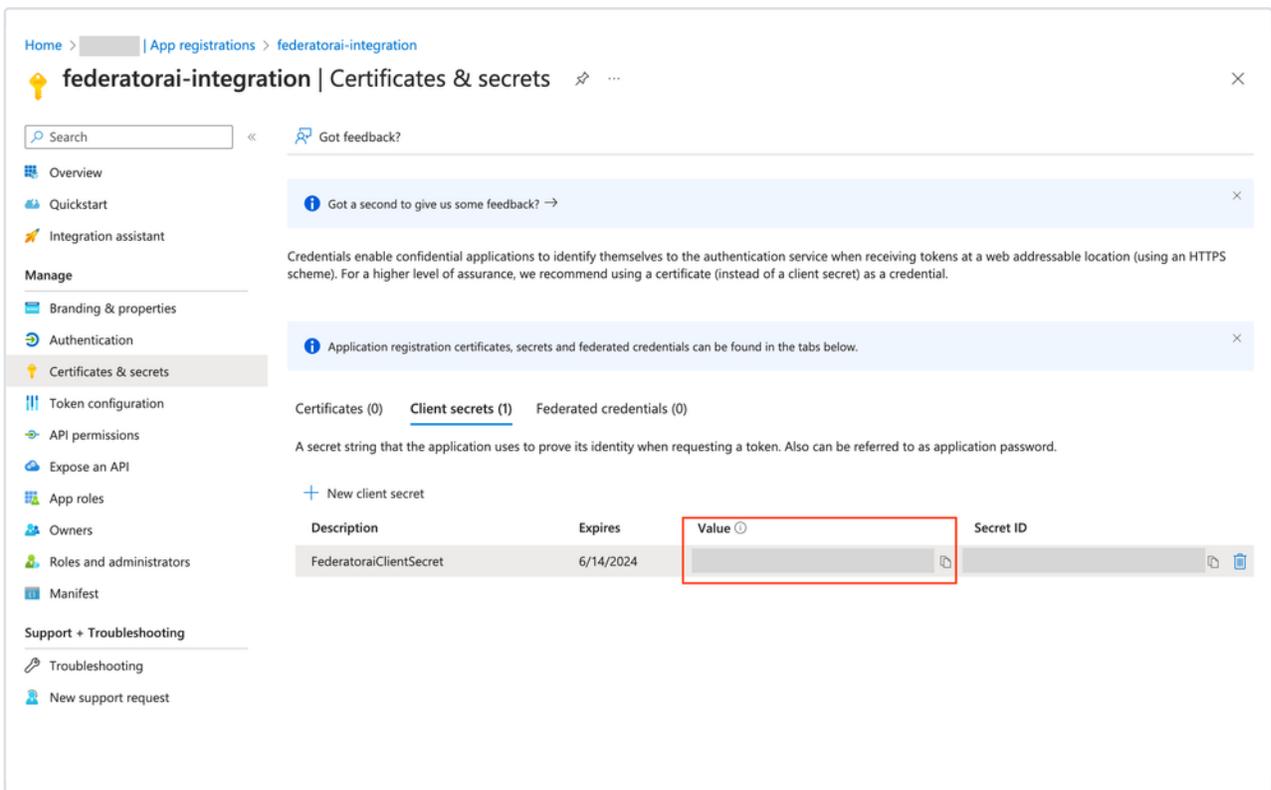
b. Choose **Expires** lifetime for `FederatoraiClientSecret` client secret.



c. Click **Add** to create a new client secret.

d. Copy and record `Secret Value` (Client Secret) for configuring Federator.ai later.

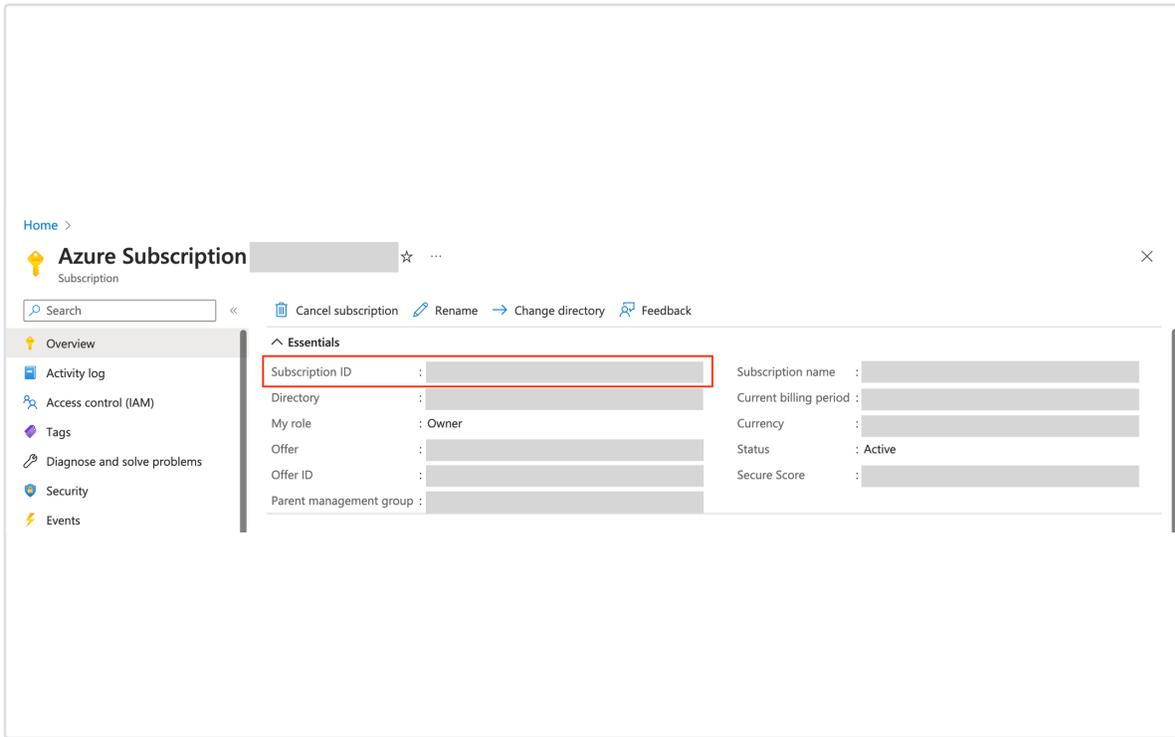
Note: Record the secret's value for use in Federator.ai. This secret value is never displayed again after you leave the certificates and secrets page.



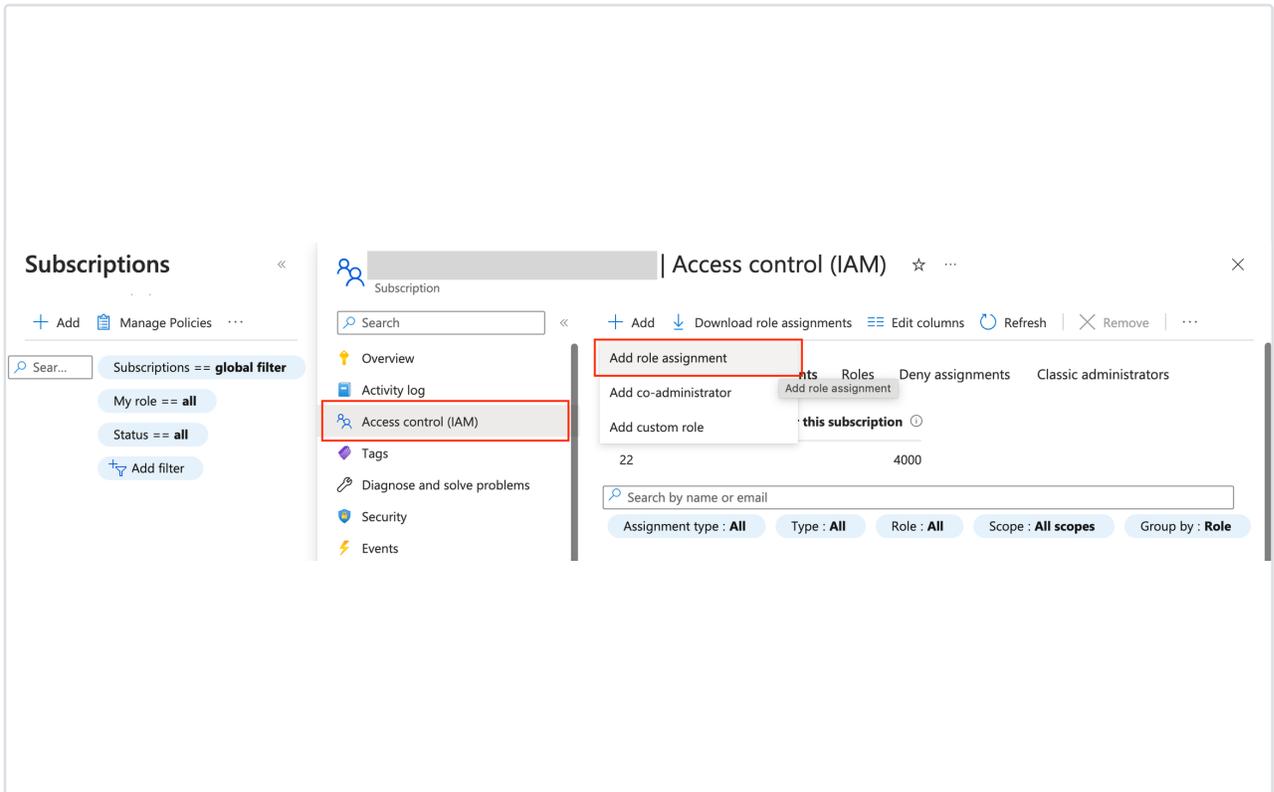
8. Give read permission to `federatorai-integration` application

a. Navigate to **Home > Subscriptions**

b. Choose a subscription that you would like to integrate with Federator.ai and copy the `Subscriptions ID` for configuring Federator.ai later.



c. Select **Access Control (IAM)** and click **Add > Add role assignment**



d. Select **Monitoring Reader** role, assign access to **User, group, or service principal**, and add `federatorai-integration` application that you just created to **Members**.

Home > Subscriptions > [redacted] | Access control (IAM) >

Add role assignment

Role **Members** Review + assign

Selected role Monitoring Reader

Assign access to User, group, or service principal
 Managed identity

Members + Select members

Name	Object ID	Type
federatorai-integration	[redacted]	App

Description give read permission to Federator.ai

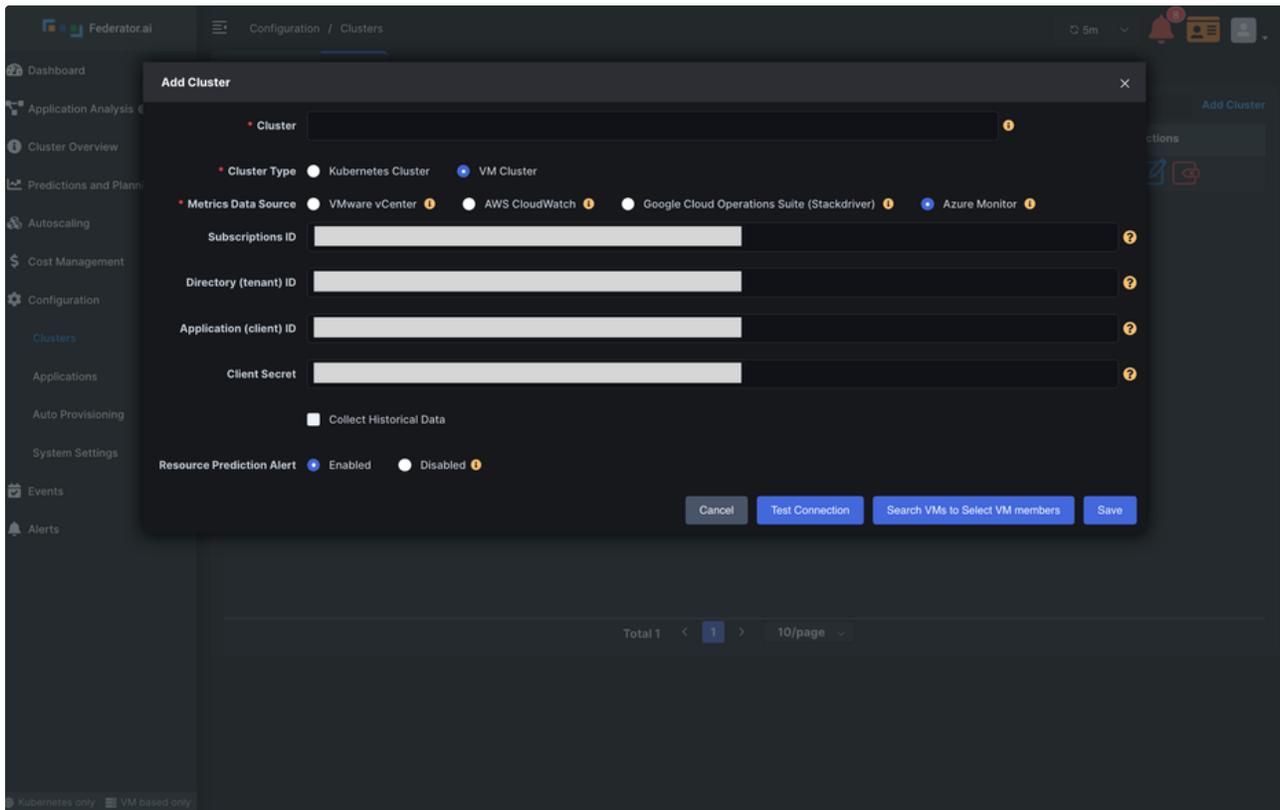
Review + assign Previous Next Feedback

e. Click **Review + assign** to assign permissions to federatorai-integration application

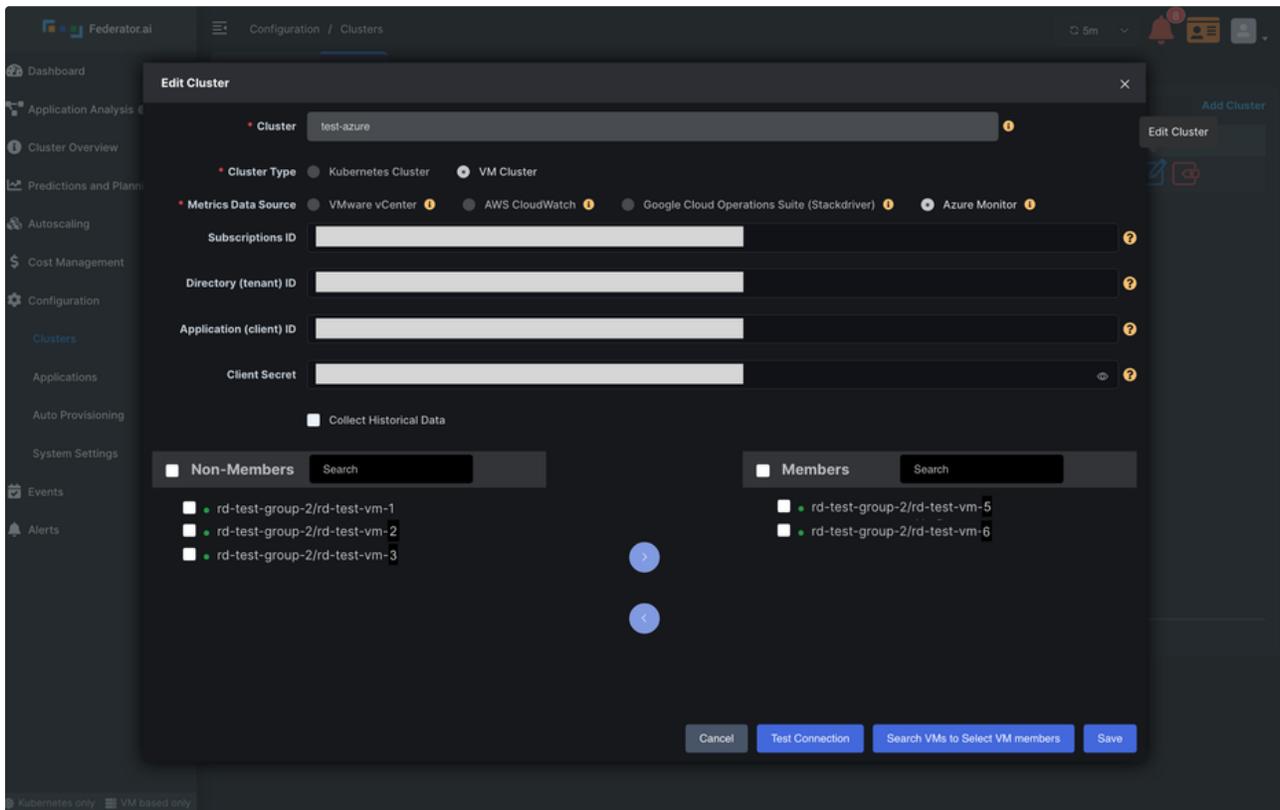
i Azure Diagnostics must be enabled for ARM-deployed VMs to collect metrics

Add Azure VMs/VM Scale Sets to Federator.ai

1. Go to Federator.ai UI. Choose **Configuration > Clusters > Add Cluster**.
2. Select **Azure Monitor** as **Metrics Data Source**.
3. Enter a cluster name
4. Paste your Azure Subscriptions ID, Directory (tenant) ID, Application (client) ID, and Secret Value (Client Secret) to the fields.



5. Click **Search VMs to Select VM members** and add Azure VMs/VM Scale Sets to the cluster.



6. Click **Save** to create a new Azure VM/VM Scale Set cluster.