



How To Setup an Aviatrix Cloud Account for Azure RM

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1 Overview

Aviatrix Cloud Controller uses Azure APIs extensively to launch Aviatrix gateways, configure encrypted peering and many other capabilities.

In order to use Azure API, you need to first create an Aviatrix Cloud Account on the Aviatrix Cloud controller. This cloud account corresponds to a valid Azure account with API credentials.

The new Microsoft Azure (as opposed to Azure Classic) is significantly different in how applications are authenticated and authorized to interact with Azure Resource Manager APIs to manage resources, such as Virtual Machines, Network, Storage Accounts, etc.

This document describes how to obtain the necessary information, specifically Application Client ID, Application Client Secret, and Application Endpoint to create an Aviatrix Cloud Account with step by step instructions. There are 3 sections, make sure you go through all of them.

2 Azure Permission Setup for Aviatrix

Setting up Azure permission for Aviatrix involves three main steps.

1. Register Aviatrix Controller Application with Azure Active Directory
2. Grant Permissions
3. Get Application Client ID, Application Client Secret and Application Endpoint

Important: Complete the follow steps in order.

2.1 Step 1 – Register Aviatrix Controller Application

Login to the Azure Portal.

<https://portal.azure.com>

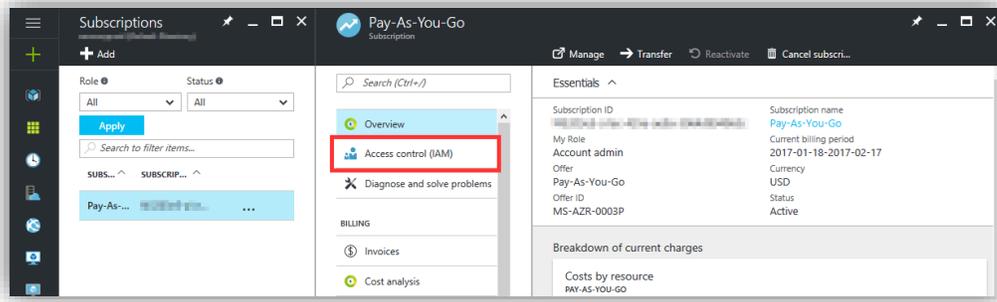
Step 1: Register Aviatrix Controller

1. From the Azure portal click on “Azure Active Directory” and then “App registrations”
2. Click “+ Add”
 - a. Name = Aviatrix Controller
 - b. Application Type = Web app / API
 - c. Sign-on URL = http://aviatrix
 - d. Click Create.
3. Done

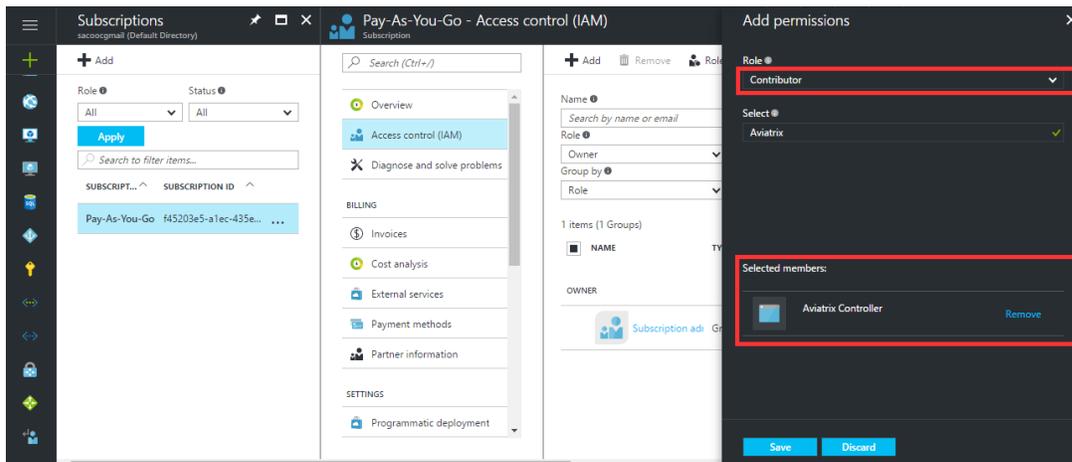
2.2 Step 2 – Grant Permissions

Step 2: Grant Permissions

1. Login to the Azure portal
2. On the bottom left, click Subscriptions
3. Copy the Subscription ID (to notepad or a convenient location).
4. Then select “Access control (IAM)”.



5. Click Add and then select the “Contributor” role.



6. In the User search field, type in “Aviatrx”. The Aviatrx Controller app should show up. Select this one and click Select towards the bottom.

2.3 Step 3 – Get Application Information

Step 3: Get Application Information

1. From the Azure portal click on “Azure Active Directory”.
 - a. Retrieve the **Application Endpoint ID**.
 - i. Click on Properties
 - ii. Copy the “Directory ID” (this is the Application Endpoint ID)
 - b. Retrieve the **Application Client ID**.
 - i. Click App registrations
 - ii. Copy the “Application ID” this is the Application Client ID)
 - c. Retrieve the **Application Client Secret**
 - i. Click App registration -> Keys
 - ii. Enter in the following

- 1. Description = Aviatrix
- 2. Expires = Never expires
- iii. Click save
- iv. Copy the key value
- d. Add App permissions
 - i. Click App registration -> Required permissions -> Add
 - ii. Select an API -> Windows Azure Service Management API
 - iii. Select "Access Azure Service Management as organization user"
 - iv. Done
- 2. Done

At this point you should have the following information.

Subscription ID	From step 2
Application Endpoint ID	From step 3
Application Client ID	From step 3
Application Client Secret	From step 3

3 Appendix –Support

3.1 Aviatrix Support

Standard: 8x5 Enterprise Phone Support, email support, product-specific knowledge-base and user forum is included. For Additional levels of support and support offers please visit:

www.aviatrix.com/support