Azure Marketplace Installation

Prerequisites

Before being able to install and set up the Chariot MQTT Server you must have a Microsoft Azure account. If you do not already have one you can create one here.

Summary

This process covers installing the Chariot MQTT Server into an subscription as a VM instance.

Chariot Installation on Azure via Marketplace

Chariot is installed through the Azure Marketplace as a Virtual Machine offering. Begin by logging into the Azure Portal https://portal.azure.com then navigate to the Azure Marketplace. After doing so, you will see something similar to what is shown below.



In the search bar, type in 'Chariot MQTT Server' and hit enter. This should show the following.



Then click on Chariot MQTT Server by Cirrus Link. After doing so, you should see the following.



Click the blue 'Create' button near the top of the screen. This will bring up the following Azure VM wizard to guide you through the Chariot MQTT Server VM creation.

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Microsoft Azure		ア Search resources, services, and docs (G+/) 区 場 Q @ Q @	() ନ	nathan.davenport@cirr
«	Home > Chariot MQTT Server >			
+ Create a resource	Create a virtual machine			×
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Dashboard	Basics Disks Networking Management Monitoring Advanced Tags Review + create			
:= All services	Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized			
	Image. Complete the Backs tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. Learn more til			
All resources				
Subscriptions	Project details			
Azure Active Directory	Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.			
Storage accounts	Subscription * 🕕	Cirrus-Link-Primary-Subscription		
Event Hubs		(New) shared meth server aroun		
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Function App	Instance details			
App Services	Virtual machine name * 🕕	chariot.mgtt.server \checkmark		
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📮 Virtual machines	Availability options ①	Availability zone V		
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Virtual networks		You can now select multiple zones. Selecting multiple zones will create one VM per zone. Learn more		
Monitor				
💠 Advisor	Security type 💿	Standard V		
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Help + support		See all images Configure VM generation		
Cost Management + Billing	VM architecture ①	 Arm64 № x64 		
Time Series Insights reference data sets		Arm64 is not supported with the selected image.		
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If the subscription is a Microsoft CSP (Cloud Solution Provider) created subscription, the CSP Tenant ID must be provided to CirrusLink to be ${}_{\oslash}$ added to the CSP whitelist on the offering.

The Chariot MQTT Server will fail to deploy with a subscription error if this has not been completed.

To get the Tenant ID:

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- · Provide the subscription ID to the CSP to give to Microsoft Support
- The CSP needs to request their CSP Tenant ID for the subscription ID from Microsoft Support
 Provide support@cirrus-link.com the Tenant ID to be added to the CSP whitelist on the offering
- - ° It usually takes 24 48 hours for this submission to complete

On the top portion of the Basics step, make sure to set Security type to Standard and the VM Image named standard - x64 Gen1 with the Chariot logo next to it. This will install the Cirrus Link provided Ubuntu Linux VM image with the Chariot MQTT Server software preloaded. You do not have the option to chose another OS type via any other VM image provided.

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Security type 🕕	Standard V
mage * 🕕	See all images Configure VM generation
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Configure anything else that may be required in the remaining VM wizard steps to complete your Chariot MQTT Server deployment. By default, port 22 will be open on the VM so one can SSH into the instance when required. You will need to configure additional Networking rules on the Chariot VM instance to allow connections to Chariot's web UI (default port is 8080), MQTT (1883) and MQTTS (8883) ports.

More information on configuring the Chariot MQTT Server can be found here.

Information on accessing the Chariot MQTT Server VM instance via SSH can be found here.

Chariot Configuration

For configuration details, please see: Chariot MQTT Server: Configuration

Reference Documentation

- Chariot MQTT Server Tutorials and How-Tos
- FAQ: Chariot MQTT Server