



Azure Monitor – SendQuick Cloud Integration Guide

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1.0 Introduction

1.1 About SendQuick Pte Ltd

SendQuick™ develops and offers **enterprise mobile messaging solutions** to facilitate and improve business workflow and communication, and is widely used in areas such as IT alerts & notifications, secure remote access via 2-Factor Authentication, emergency & broadcast messaging, business process automation and system availability monitoring.

In addition to functionality, SendQuick's messaging solutions have also been developed with other key features in mind. These include **security** and **confidentiality** of company information, and **ease in mitigating disruption** during unplanned system downtime such as that arising from cyberattacks.

1.2 About SendQuick Cloud

SendQuick Cloud is a cloud based Software-as-a-Service (SaaS) application to monitor and notify for cloud based incidents with omni-channel messaging capability. It has ability to monitor using ICMP Ping, Port check and URL check. It has policy based notifications using Email and Webhook, supporting any applications as well as Cloud Providers like AWS, Azure, Alibaba Cloud, Google Cloud and Oracle. Given the above integration methods, SendQuick Cloud is able to work with any applications to send notifications. Supporting notification channels include SMS, Telegram, Slack, Facebook Messenger and others. Lastly, there is Roster for messaging based on duties and time frame for each recipients, reducing alert fatigue.

1.3 Purpose of Document

This document is a guide on how to integrate SendQuick Cloud with Azure Monitor to send message notifications and alerts. In this guide, we will be using SendQuick Cloud for the integration.

Azure Monitor is accessible from the Azure Portal. You will need to login to **Azure Portal** and select **Azure Services** and is presented with all the Azure Services options. Select **Monitor**. You will need to configure the **Alert** function as found in the Left Menu and shown in the diagram below.

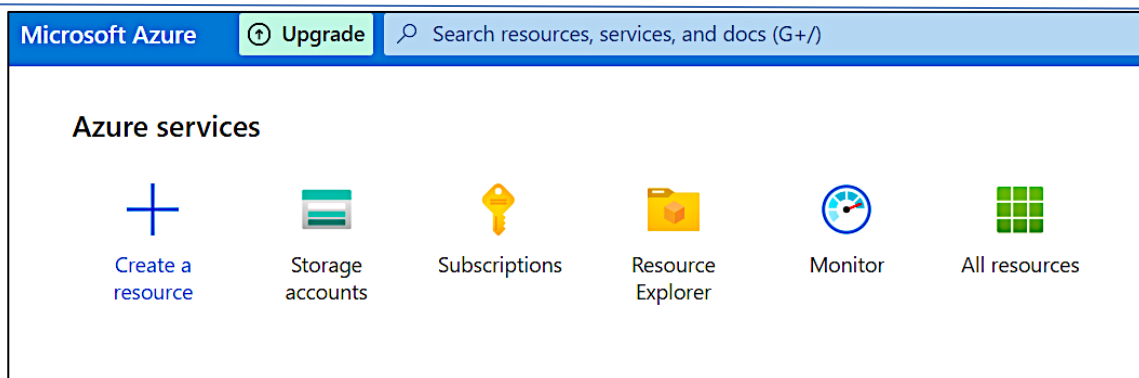


Figure 1.1: Azure Services Page

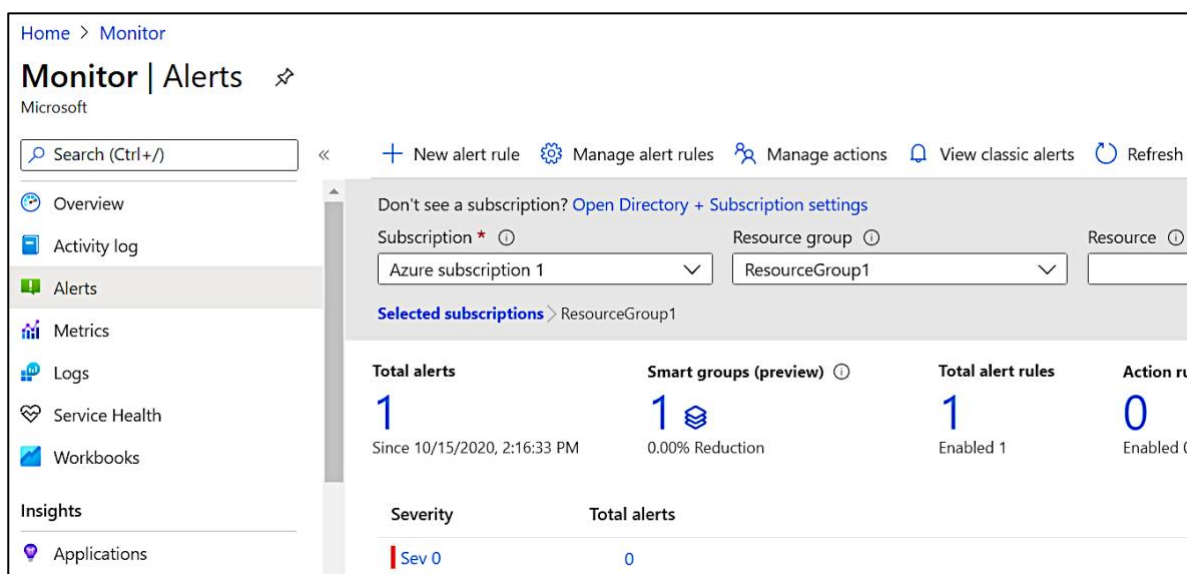


Figure 1.2: Azure Monitor, Alerts Page

In Azure Monitor, you can send Alert via Email (SMTP) and Webhook (HTTP) method. This document will explain both methods in details in the following sections.

2.0 Configure in SendQuick Cloud

SendQuick Cloud is designed to complement the systems, virtual instances, devOps and other applications on the cloud for sending message notifications when an event happen. This will your services uptime for your cloud services.

2.1 Email Filters in SendQuick Cloud

SendQuick Cloud can receive any emails (SMTP) from any applications, apply the configured filters (policies) and if the condition matches, messages will be sent to the recipients. When starting to configure, create an account in SendQuick Cloud and go to **Email Filter** (left Menu) and **Create New Mail Filter Rule**. You will be presented with the interface as shown below.

You will notice the Email Address **TO** as the first Policy item. The email address is pre-assigned by SendQuick Cloud and will follow the name of your account name. This email address cannot be changed and will be used to configure in Cloud Monitor as explained in section 3.1.

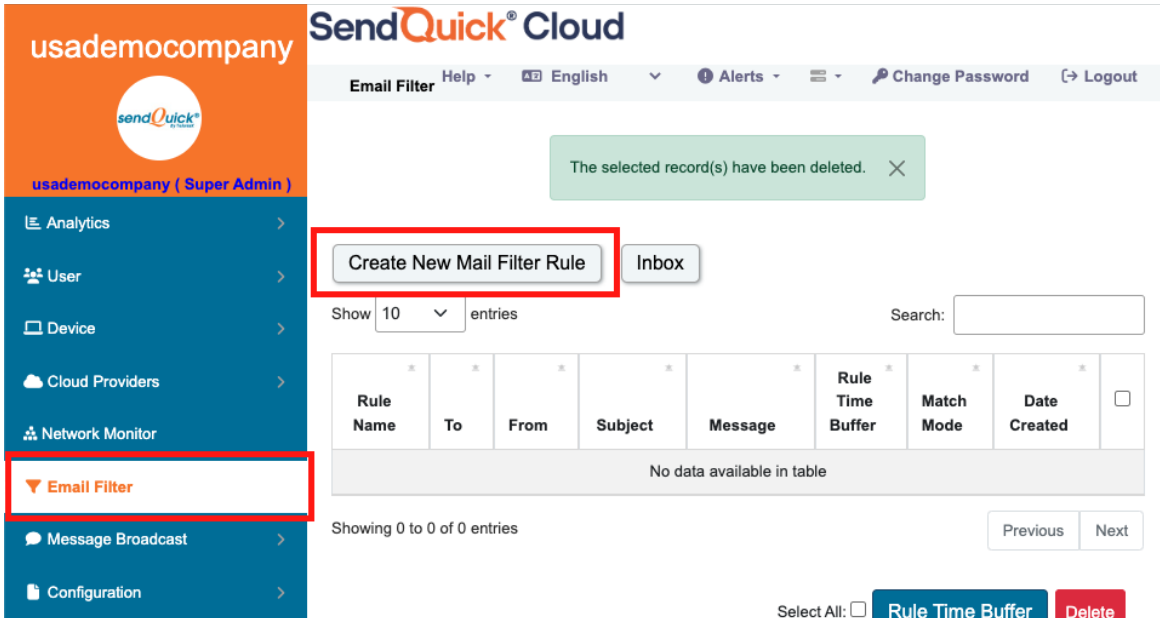


Figure 2.1: SendQuick Cloud Email Filter

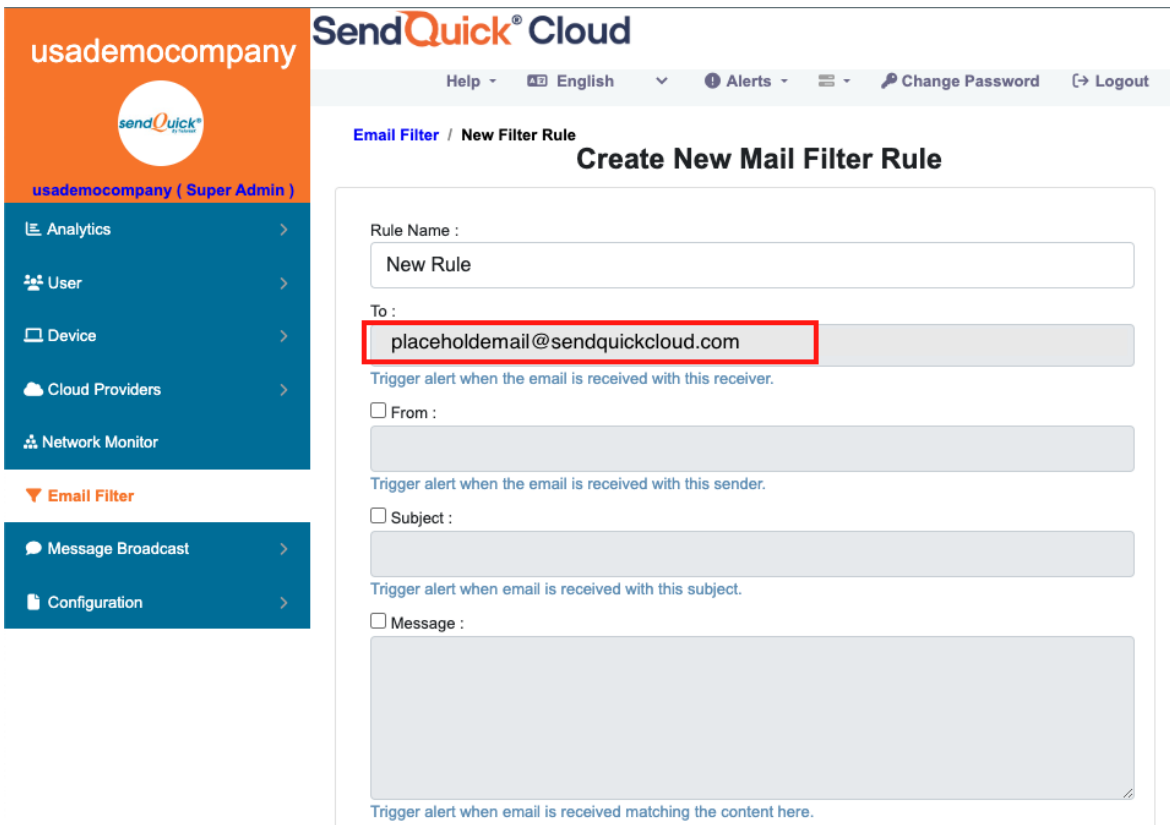
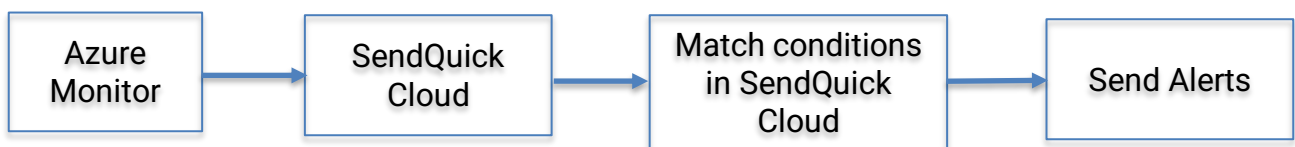


Figure 2.2: Creating New Email Filter Rule

2.2 Cloud Provider in SendQuick Cloud using Webhook

The second method to integrate between Cloud Monitor and SendQuick Cloud is using Webhook method. This is via an Application Programming Interface (API) where the event information is sent to SendQuick Cloud and SendQuick Cloud will process and check against the pre-configured policies (conditions). If the conditions are met, it will trigger an alert to the assigned users.

In summary, the flow is as below:



The webhook sending to SendQuick Cloud is found on the Service Configuration for Cloud Provider in SendQuick Cloud. This is depicted in interface below.

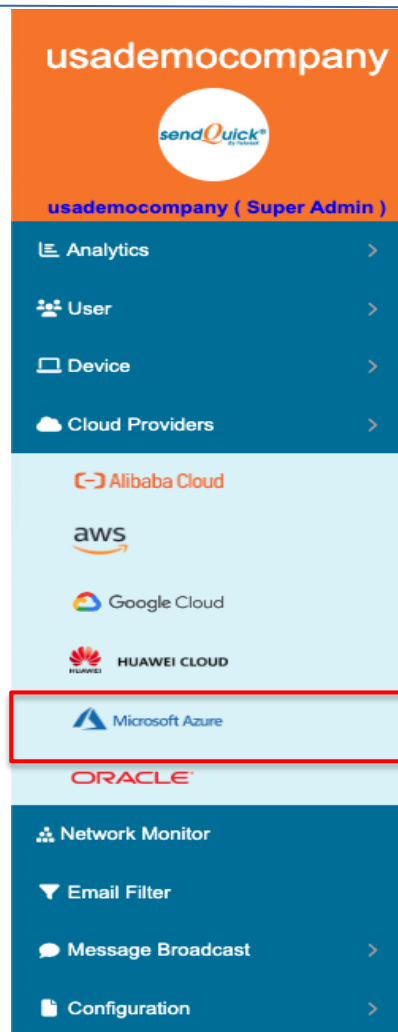


Figure 3.1: SendQuick Cloud Menu (left)

Chose the Cloud Provider as shown on the left Menu in the diagram above.

Copy the Integration URL as shown on the top of the Integration page. This is the URL to be configured in Azure Action as shown in section 4.0.

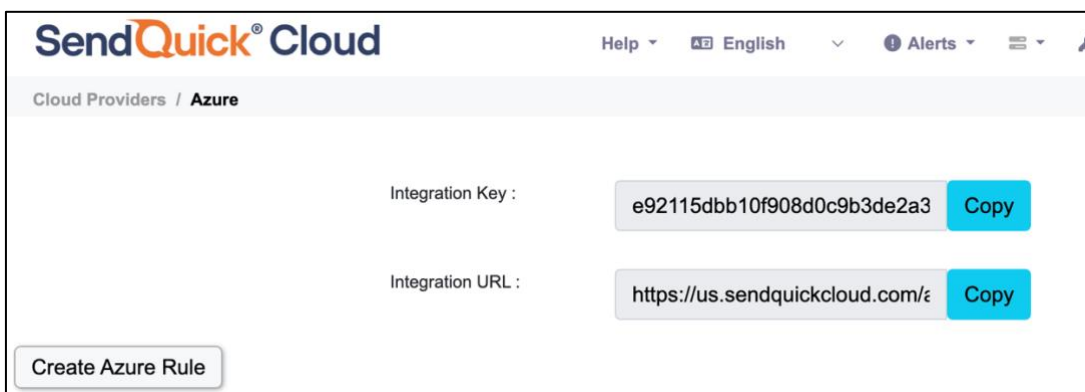


Figure 3.2: Cloud Providers Integration Information

3.0 Configure Azure Monitor Manage (Alert) Actions

When any event happens or there is a need to send a notification alert, Azure Monitor (Azure) can trigger an email to SendQuick Cloud. SendQuick Cloud will then convert the email message to alerts and send to mobile phone based on the policy (filter) rules assigned. The email messages are sent from Azure to SendQuick Cloud for processing.

In Azure, the first configuration is to configure the Manage Actions, creating the recipient list to receive the notifications. Since SendQuick Cloud is used to manage the recipients on the different channels, you just need to configure one (1) email in Manage Actions for Azure. This is explained below.

3.1 Configure Email and Webhook for SendQuick Cloud in Azure Manage Actions

On the main page of Azure, select **Alerts** and **Manage Actions**. These are shown in the Figures below.

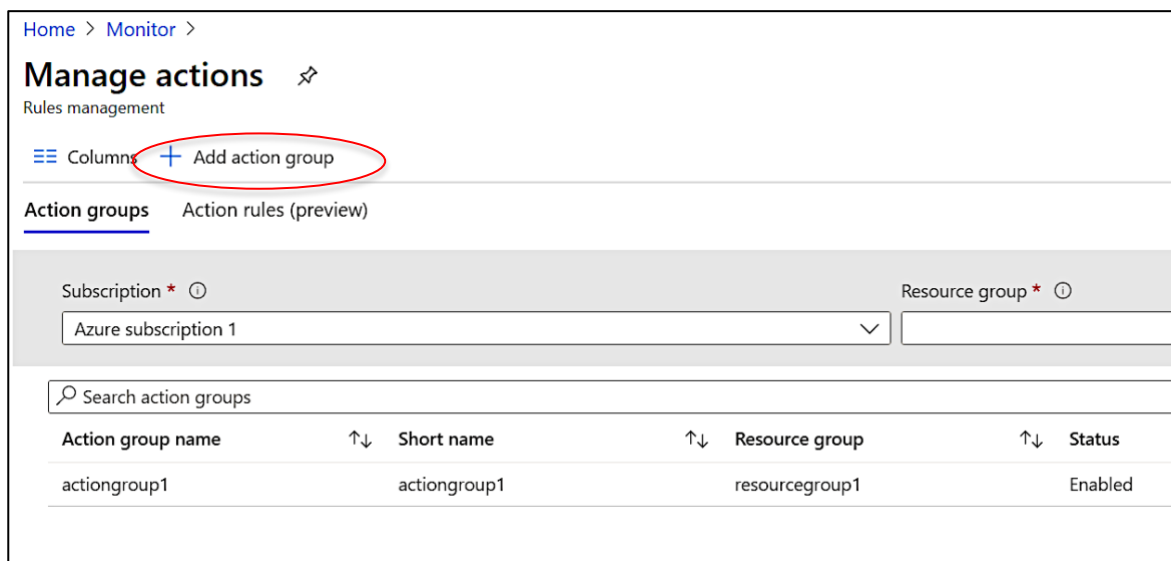


Figure 4.1: Manage Actions in Azure

Select **Add Action Group** and you will see the interface as below.

Home > Monitor > Rules > Manage actions >

Create action group

An action group invokes a defined set of notifications and actions when an alert is triggered. [Learn more](#)

Project details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ Azure subscription 1

Resource group * ⓘ ResourceGroup1
[Create new](#)

Instance details

Action group name * ⓘ AzureMon ✓

Display name * ⓘ AzureMon ✓
This display name is limited to 12 characters

[Review + create](#) [Previous](#) [Next: Notifications >](#)

Figure 4.2: Creating Action Group in Azure

Complete the required information in **Project Details** and give the action a name. Then select **Next Notification** to configure notifications as shown below.

Create action group

Basics Notifications Actions Tags Review + create

Notifications

Configure the method in which users will be notified when the action group triggers. Select notification types, provide receiver details and add a unique description. This step is optional.

Notification type ⓘ	Name ⓘ	Selected ⓘ
Email/SMS message/Push/Voice		<input checked="" type="checkbox"/>
		<input type="checkbox"/>

Figure 4.3: Selecting Notification Type

Select **Email/SMS/Push/Voice** and insert the email from SendQuick Cloud into the **Email** text box as below. Select the Email check list as shown. The select **OK**.

In the **Actions** section, select **Webhook** and then enter the URL (from SendQuick Cloud) in Section 2.2 above into the **URI text box** and select **OK**. These are shown in the three images below.

The screenshot shows a configuration window titled "Email/SMS message/Push/Voice" with a close button (X) in the top right corner. Below the title is the subtitle "Add or edit an Email/SMS/Push/Voice action".

- The "Email" checkbox is checked and circled in red. Below it, the text "Email *" is followed by a text input field containing "democompany@sg.sendquickoncloud.com", which is also circled in red. A green checkmark is visible to the right of the input field.
- The "SMS (Carrier charges may apply)" checkbox is unchecked. Below it are fields for "Country code" (set to "1") and "Phone number".
- The "Azure app Push Notifications" checkbox is unchecked. Below it is a field for "Azure account email" with an information icon (i).
- The "Voice" checkbox is unchecked. Below it are fields for "Country code" (set to "1") and "Phone number".
- At the bottom, there is a section "Enable the common alert schema. [Learn more](#)" with "Yes" and "No" radio buttons. The "No" button is selected.
- The "OK" button at the bottom left is circled in red.

Figure 4.4: Inserting SendQuick Cloud's Email

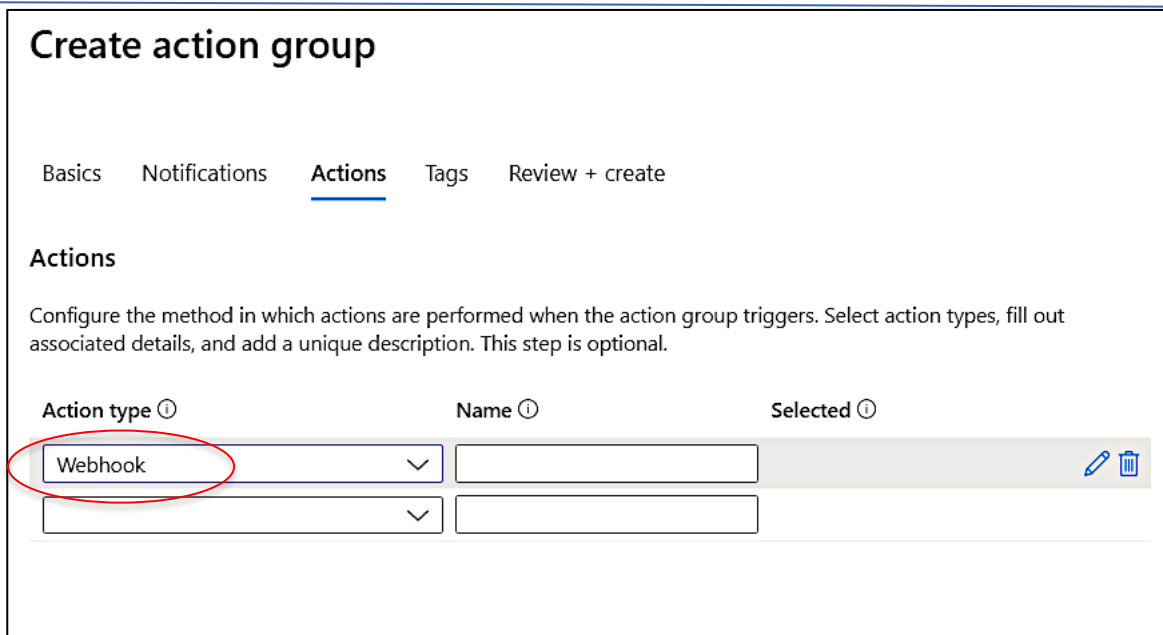


Figure 4.5: Creating Webhook Action

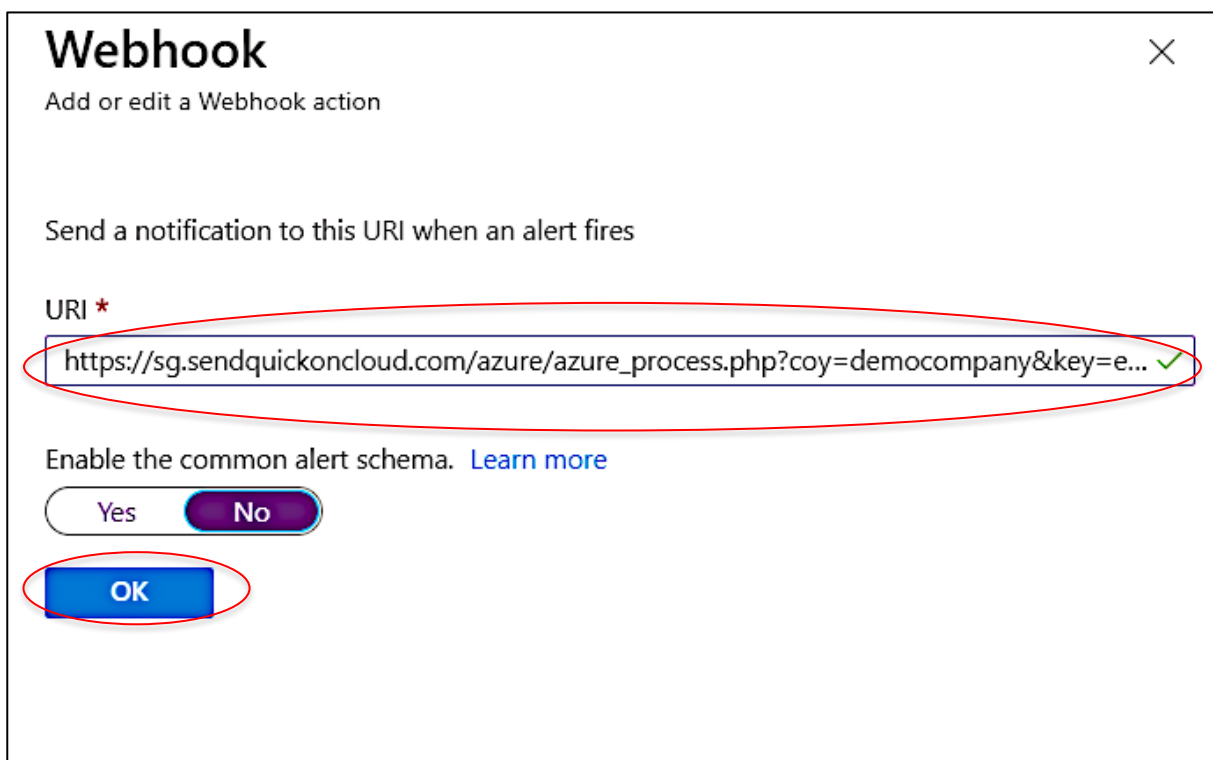


Figure 4.6: Inserting SendQuick Cloud's URL

Once completed, you will then proceed to configure the Alert Rules. You may be required to verify the email (provided by SendQuick Cloud) to activate the emails.

4.0 Configure Alert Rules with SMTP and Webhook

In Cloud Monitor, the configuration for Email (SMTP) and webhook is configured in the same rule. Hence, this section will explain both methods in the same configuration.

Select **Alert Rules** and **Create Alert Rule** and you will see the interface to configure the rule as below.

Select and assign the desired resources, **Resources** and **Conditions** and once completed, the resources and conditions are selected as shown in the next Figure.

Then, proceed to **Select Action Group**, to specify the desired actions to send messages for this rule.

Home > Monitor > Rules >

Create alert rule

Rules management

Create an alert rule to identify and address issues when important conditions are found in your monitoring data. [Learn more](#)
When defining the alert rule, check that your inputs do not contain any sensitive content.

Scope
Select the target resource you wish to monitor.

Resource	Hierarchy
No resource selected yet	
Select resource	

Condition
Configure when the alert rule should trigger by selecting a signal and defining its logic.

Condition name
No condition selected yet

[Select condition](#)

Figure 5.1: Creating Alert Rule

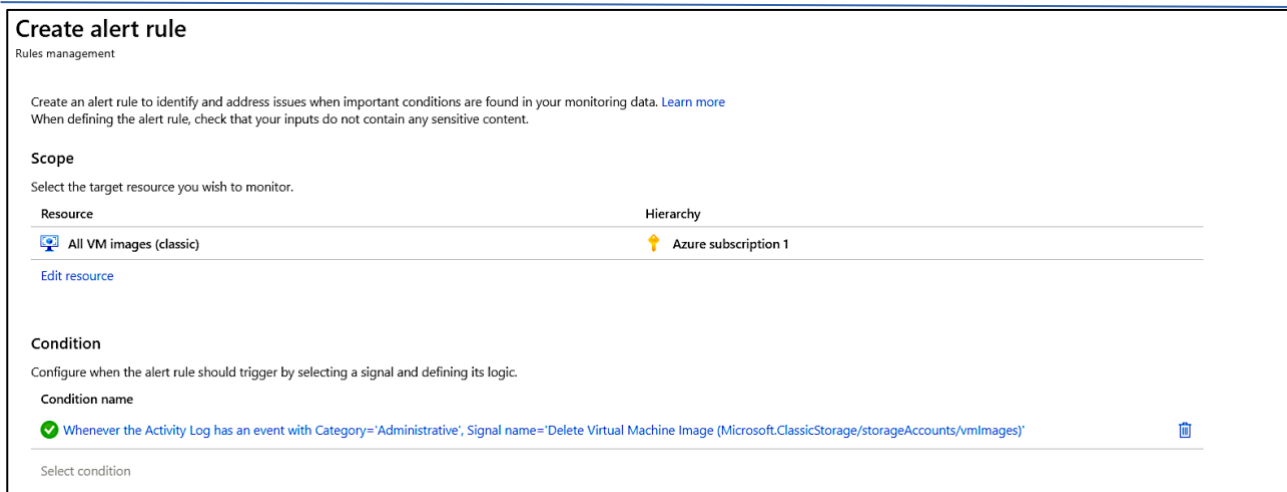


Figure 5.2: After Resource and Conditions are Completed

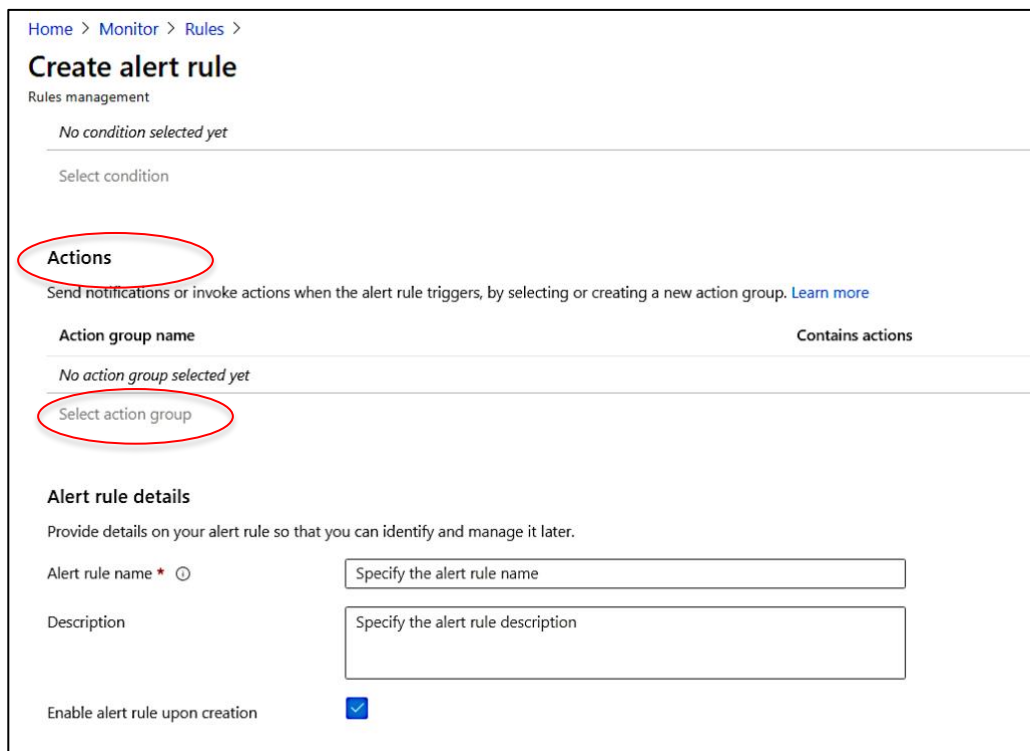


Figure 5.3: Select Action Group

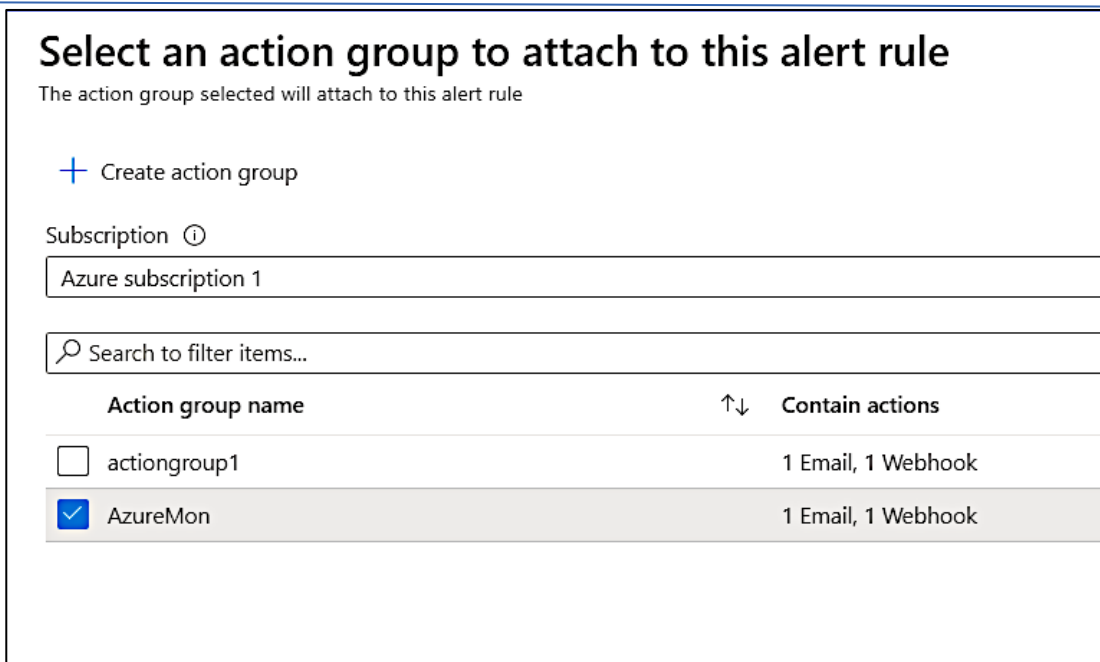


Figure 5.4: Select Action Group for the Rule

Once selected the **Action Group** and **Select**, you can complete the rule with the Description and then **Save** at the top of the rule. This completes the creation of a rule in Azure Monitor.

The rule is ready to use and will send via Email and webhook (or any combination) based on the Rule Actions configured in Section 3.1 above.

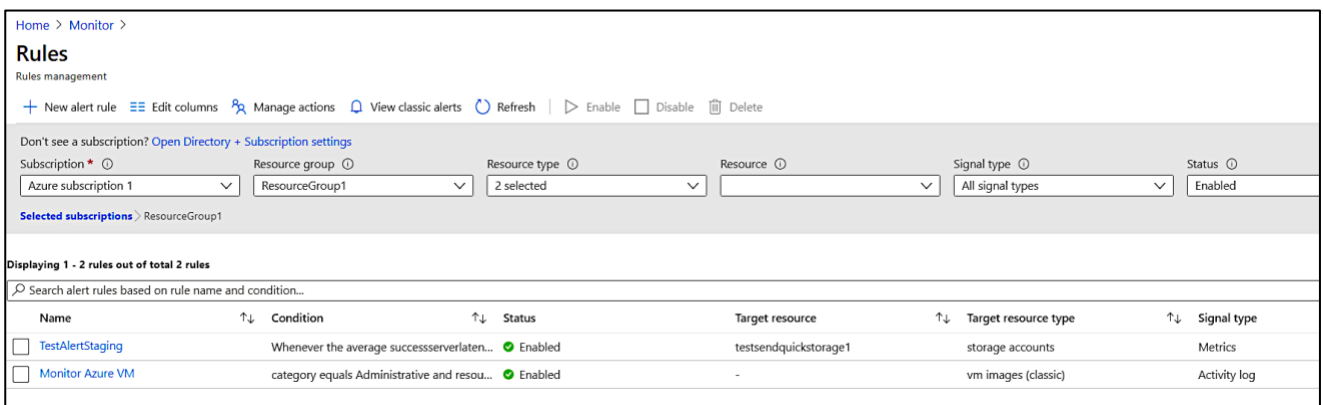


Figure 5.5: New Rule Completed in Dashboard

You can create more rules, as desired and use either Email or webhook to send the notifications to SendQuick Cloud.

Upon completion, you can start using SendQuick Cloud and configure all the filter/policies and user roster to receive the alerts on their phones. For more SendQuick Cloud configuration, refer to SendQuick Cloud User Manual or Video Tutorial.