



Azure Monitor – sendQuick Cloud Integration Guide

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1.0 Introduction

1.1 About TalariaX Pte Ltd

TalariaX™ 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, TalariaX'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.

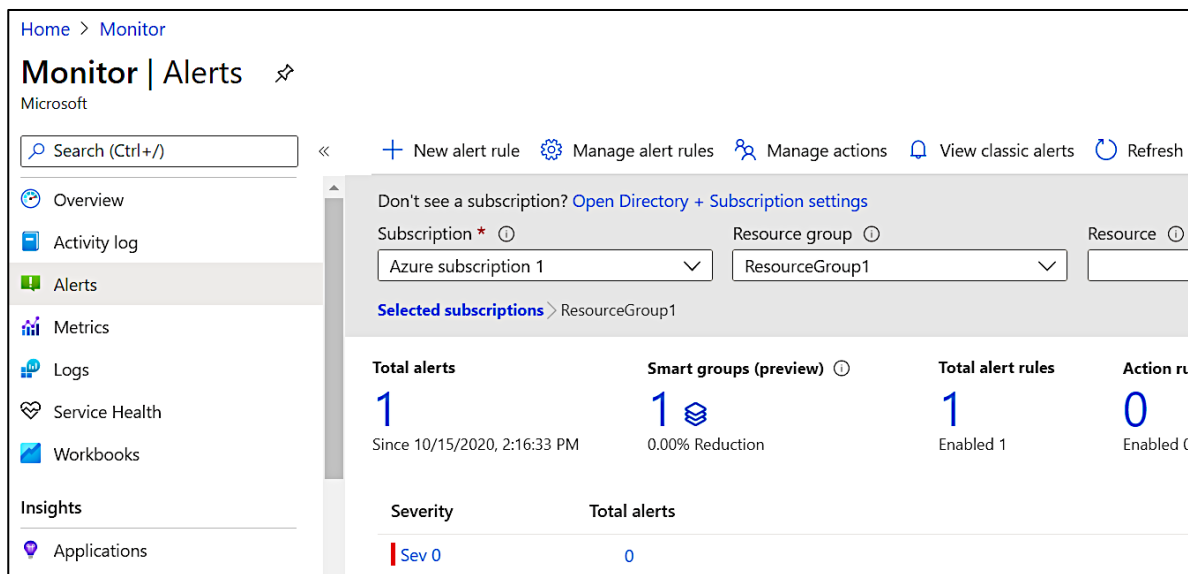
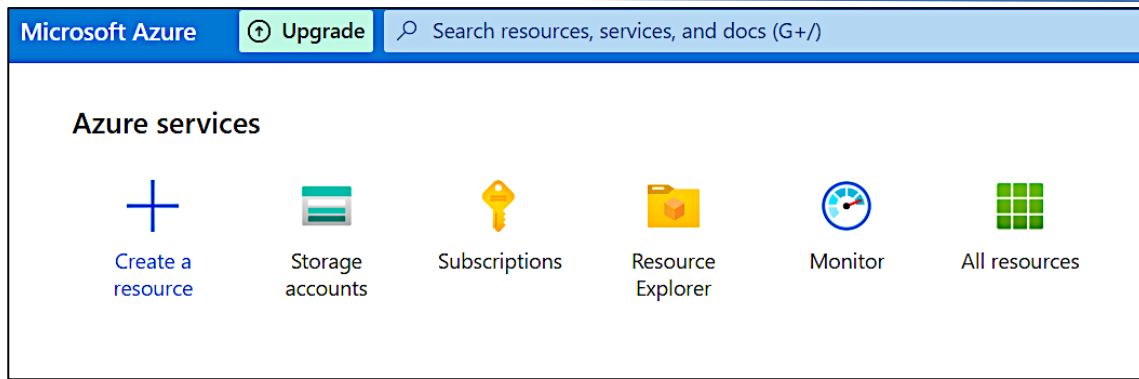
1.2 About sendQuick Cloud

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.



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 (sendQuick) 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 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 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 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.

The screenshot shows the 'sendQuick onCloud' interface. On the left, a sidebar for 'democompany (Super Admin)' lists various options: Analytics, User, Device, Cloud Providers, Network Monitor, Email Filter (highlighted with a red circle), Message Broadcast, and Configuration Template. The main area is titled 'Create New Mail Filter Rule'. It contains a 'To' field with the email address 'democompany@staging.sendquickoncloud' (highlighted with a red circle), and checkboxes for 'From', 'Subject', and 'Message', each with a corresponding 'Trigger alert' button. At the bottom, there is a 'Match Mode' section with 'All' selected and 'Any' as an option.

Email Address TO, sending to sendQuick Cloud

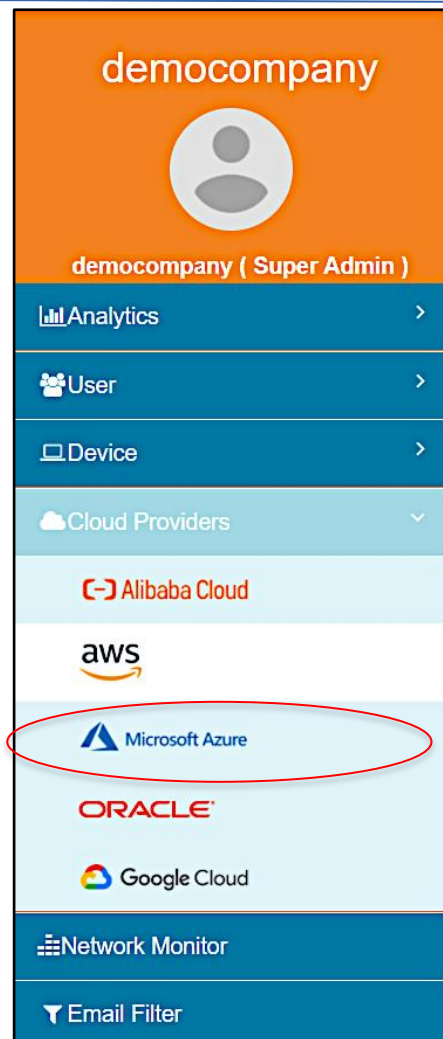
2.2 Cloud Provider in sendQuick Cloud using Webhook

The second method to integrate between Cloud Monitor and sendQuick is using Webhook method. This is via an Application Programming Interface (API) where the event information is sent to sendQuick and sendQuick 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:

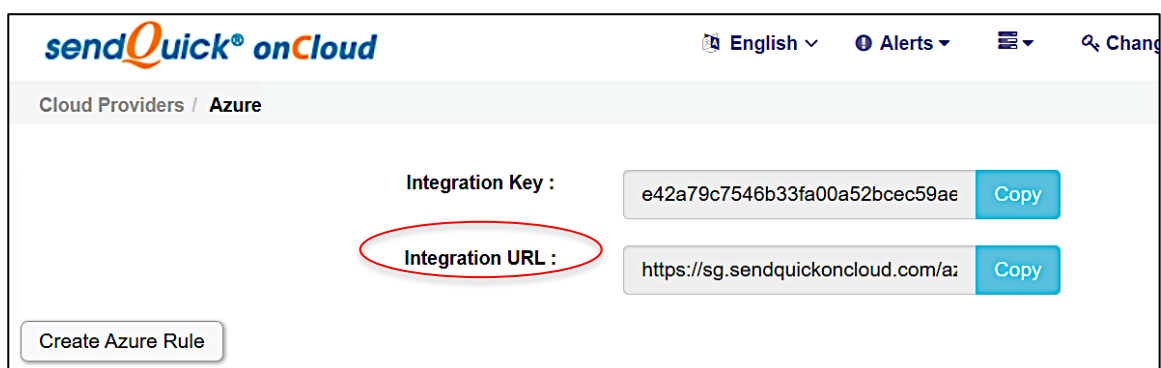


The webhook to send to sendQuick is found on the Service Configuration for Cloud Provider in sendQuick. This is depicted in interface below.



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.



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). sendQuick 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 for processing.

In Azure, the first configuration is to configure the Manage Actions, creating the recipient list to receive the notifications. Since sendQuick 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 in Azure Manage Actions

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

Home > Monitor >

Manage actions

Rules management

Columns + Add action group

Action groups Action rules (preview)

Subscription * ⓘ Azure subscription 1

Resource group * ⓘ

Search action groups

Action group name	Short name	Resource group	Status
actiongroup1	actiongroup1	resourcegroup1	Enabled

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 * ⓘ

Resource group * ⓘ [Create new](#)

Instance details

Action group name * ⓘ ✓

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

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

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 ⓘ
<input type="text" value="Email/SMS message/Push/Voice"/>	<input type="text"/>	<input checked="" type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

Select **Email/SMS/Push/Voice** and insert the email from sendQuick 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) in Section 2.2 above into the **URI text box** and select **OK**. These are shown in the three images below.

Email/SMS message/Push/Voice

Add or edit an Email/SMS/Push/Voice action

☒ Email

Email *

☐ SMS (Carrier charges may apply)

Country code

Phone number

☐ Azure app Push Notifications

Azure account email

☐ Voice

Country code

Phone number

Enable the common alert schema. [Learn more](#)

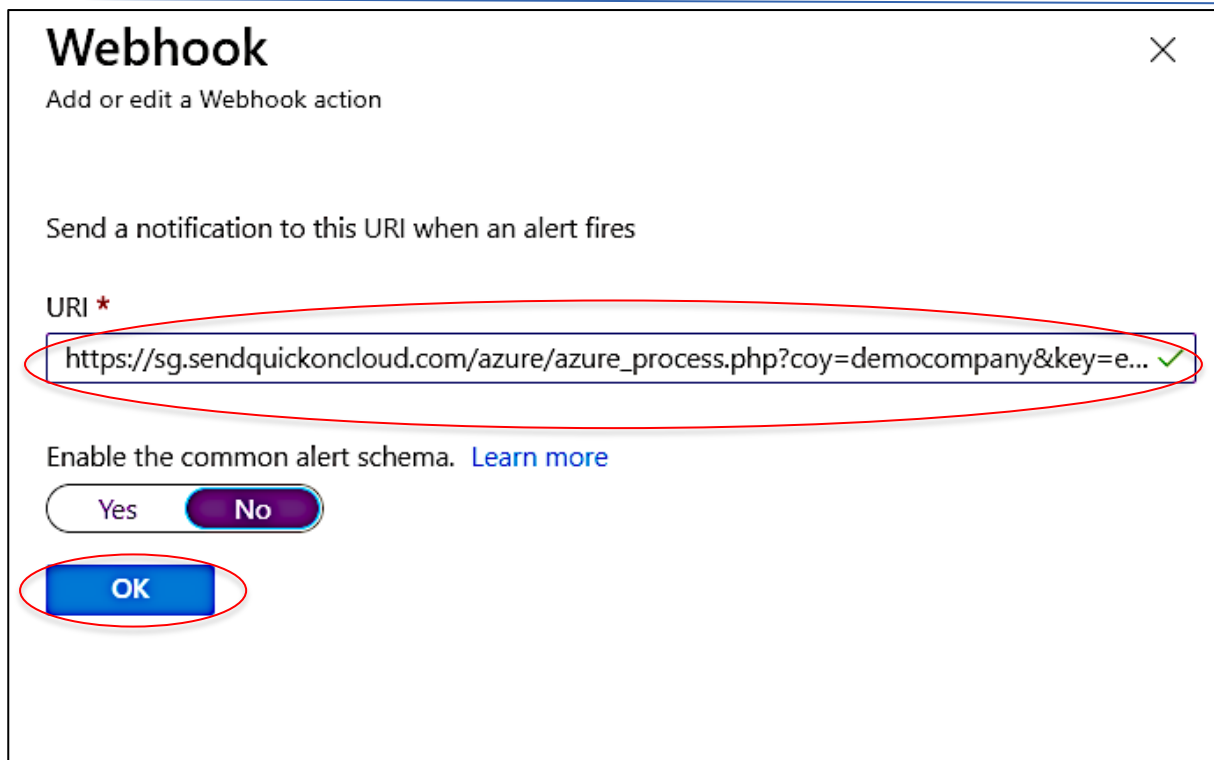
Create action group

Basics
 Notifications
 Actions
Tags
Review + create

Actions

Configure the method in which actions are performed when the action group triggers. Select action types, fill out associated details, and add a unique description. This step is optional.

Action type ⓘ	Name ⓘ	Selected ⓘ
<input checked="" type="button" value="Webhook"/>	<input type="text"/>	<input type="button" value="edit"/> <input type="button" value="delete"/>
<input type="button" value="Webhook"/>	<input type="text"/>	



The screenshot shows a 'Webhook' configuration window with a close button (X) in the top right corner. Below the title, it says 'Add or edit a Webhook action'. The main instruction is 'Send a notification to this URI when an alert fires'. There is a label 'URI *' followed by a text input field containing the URL 'https://sg.sendquickoncloud.com/azure/azure_process.php?coy=democompany&key=e...' with a green checkmark at the end. Below the input field, there is a text 'Enable the common alert schema. [Learn more](#)' and two radio buttons labeled 'Yes' and 'No', with 'No' being selected. At the bottom, there is a blue 'OK' button.

Once completed, you will then proceed to configure the Alert Rules. You may be required to verify the email (provided by sendQuick) 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](#)

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

 All VM images (classic)

 Azure subscription 1

[Edit resource](#)

Condition

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

Condition name

 Whenever the Activity Log has an event with Category='Administrative', Signal name='Delete Virtual Machine Image (Microsoft.ClassicStorage/storageAccounts/vmImages)'



[Select condition](#)

After Resource and Conditions are completed

Home > Monitor > Rules >

Create alert rule

Rules management

No condition selected yet

Select condition

Actions

Send notifications or invoke actions when the alert rule triggers, by selecting or creating a new action group. [Learn more](#)

Action group name Contains actions

No action group selected yet

Select action group

Alert rule details

Provide details on your alert rule so that you can identify and manage it later.

Alert rule name * ⓘ Specify the alert rule name

Description Specify the alert rule description

Enable alert rule upon creation ☒

Select Action Group

Select an action group to attach to this alert rule

The action group selected will attach to this alert rule

+ Create action group

Subscription ⓘ

Azure subscription 1

Search to filter items...

Action group name	↑↓	Contain actions
<input type="checkbox"/> actiongroup1		1 Email, 1 Webhook
<input checked="" type="checkbox"/> AzureMon		1 Email, 1 Webhook

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.

[Home](#) > [Monitor](#) >

Rules

Rules management

[+ New alert rule](#)
[≡ Edit columns](#)
[🔗 Manage actions](#)
[🔔 View classic alerts](#)
[🔄 Refresh](#)
[▶ Enable](#)
[□ Disable](#)
[🗑 Delete](#)

Don't see a subscription? [Open Directory](#) + [Subscription settings](#)

Subscription *

Resource group

Resource type

Resource

Signal type

Status

Azure subscription 1

ResourceGroup1

2 selected

All signal types

Enabled

[Selected subscriptions](#) > ResourceGroup1

Displaying 1 - 2 rules out of total 2 rules

🔍 Search alert rules based on rule name and condition...

Name	↑↓	Condition	↑↓	Status	Target resource	↑↓	Target resource type	↑↓	Signal type
<input type="checkbox"/> TestAlertStaging		Whenever the average successserverlaten...		🟢 Enabled	testsendquickstorage1		storage accounts		Metrics
<input type="checkbox"/> Monitor Azure VM		category equals Administrative and resou...		🟢 Enabled	-		vm images (classic)		Activity log

New Rule Completed in Dashboard

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

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.