sumo logic

Collect Logs from Azure Monitor

To collect logs from the Azure Monitor, if you are not using the Sumo Logic FedRamp deployment, use the new Cloud to Cloud Integration for Azure to create the source and use the same source category while installing the app.
The sections below are either for FedRamp Sumo Logic deployments or if you have been advised by the Sumo Logic support team to not use the Cloud to Cloud Integration based on your Azure environments.

This page provides instructions for setting up log collection from Azure. Click a link to jump to a topic:

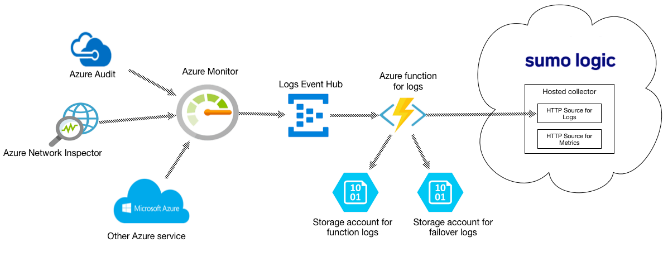
- Solution
- Configure log collection
- Troubleshooting log collection
- Azure error when exporting logs
- Common Azure function errors.
- Azure Integration FAQs

Solution

Here's how the solution fits together:

- Azure Monitor collects logs for most Microsoft Azure services and streams the data to an Azure Event Hub.
- Azure Event Hubs is a data streaming platform and event ingestion service. In this pipeline, an Event Hub streams the logs collected by Azure Monitor to an Azure function.
- The Azure function is a small piece of code that is triggered by Event Hub to send logs to the Sumo HTTP Source, function logs to one Storage Account, and failover data to another.

For more information about the solution strategy, see Azure Monitoring.



This page has instructions for configuring a pipeline for shipping logs available from Azure Monitor to an Event Hub, on to an Azure Function, and finally to an HTTP Source on a Hosted Collector in Sumo Logic. Azure Monitor collects metrics and as well as logs. The pipeline described below is for logs, not metrics.

Configure log collection

This section has instructions for setting up the ingestion pipeline, from Azure Monitor all the way to Sumo Logic.

Step 1. Configure an HTTP Source

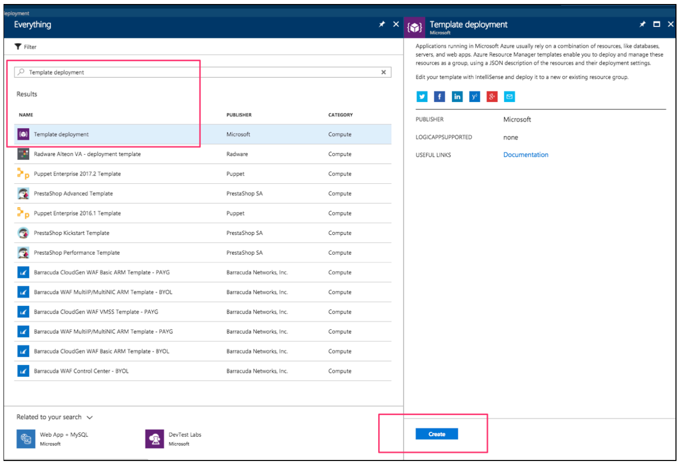
In this step, you configure an HTTP Source to receive logs from the Azure function.

1. Select a hosted collector where you want to configure the HTTP Source. If desired, create a new hosted collector, as described on Configure a Hosted Collector.
2. Configure an HTTP Source, as described on HTTP Logs and Metrics Source.

Step 2. Configure Azure resources using ARM template

In this step, you use a Sumo-provided Azure Resource Manager (ARM) template to create an Event Hub, an Azure function and two Storage Accounts. The Azure function is triggered by Event Hub. Two storage accounts are used to store log messages from the Azure function and failover data from Event Hub.

1. Download the azuredeploy_logs.json ARM template.
2. Go to **Template deployment** in the Azure Portal.



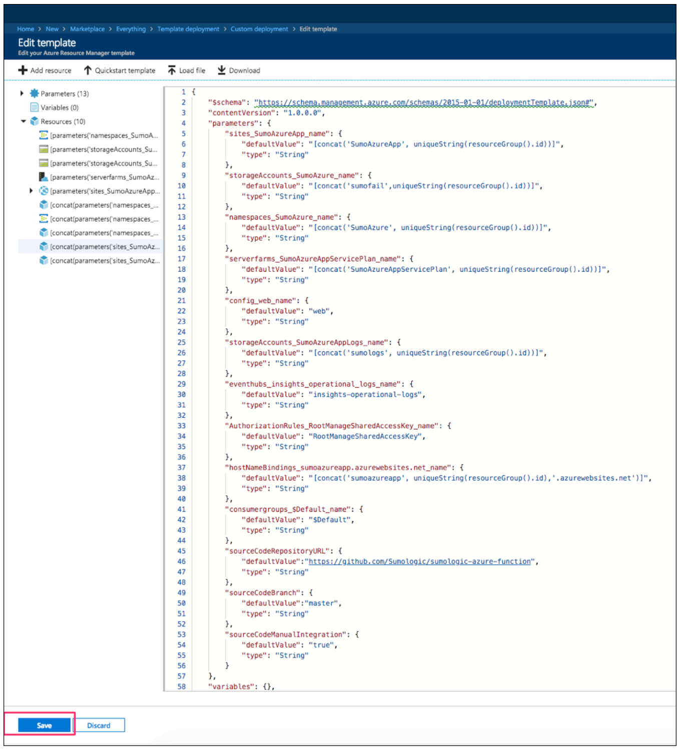
NAME	PUBLISHER	CATEGORY
Template deployment	Microsoft	Compute
Radware Alteon VA - deployment template	Radware	Compute
Puppet Enterprise 2017.2 Template	Puppet	Compute
PrestaShop Advanced Template	PrestaShop SA	Compute
Puppet Enterprise 2016.1 Template	Puppet	Compute
PrestaShop Kickstart Template	PrestaShop SA	Compute
PrestaShop Performance Template	PrestaShop SA	Compute
Barracuda CloudGen WAF Basic ARM Template - PAYG	Barracuda Networks, Inc.	Compute
Barracuda WAF MultiIP/MultiNIC ARM Template - BYOL	Barracuda Networks, Inc.	Compute
Barracuda CloudGen WAF VMSS Template - PAYG	Barracuda Networks, Inc.	Compute
Barracuda WAF MultiIP/MultiNIC ARM Template - PAYG	Barracuda Networks, Inc.	Compute
Barracuda CloudGen WAF Basic ARM Template - BYOL	Barracuda Networks, Inc.	Compute
Barracuda WAF Control Center - BYOL	Barracuda Networks, Inc.	Compute

Applications running in Microsoft Azure usually rely on a combination of resources, like databases, servers, and web apps. Azure Resource Manager templates enable you to deploy and manage these resources as a group, using a JSON description of the resources and their deployment settings.

Edit your template with IntelliSense and deploy it to a new or existing resource group.

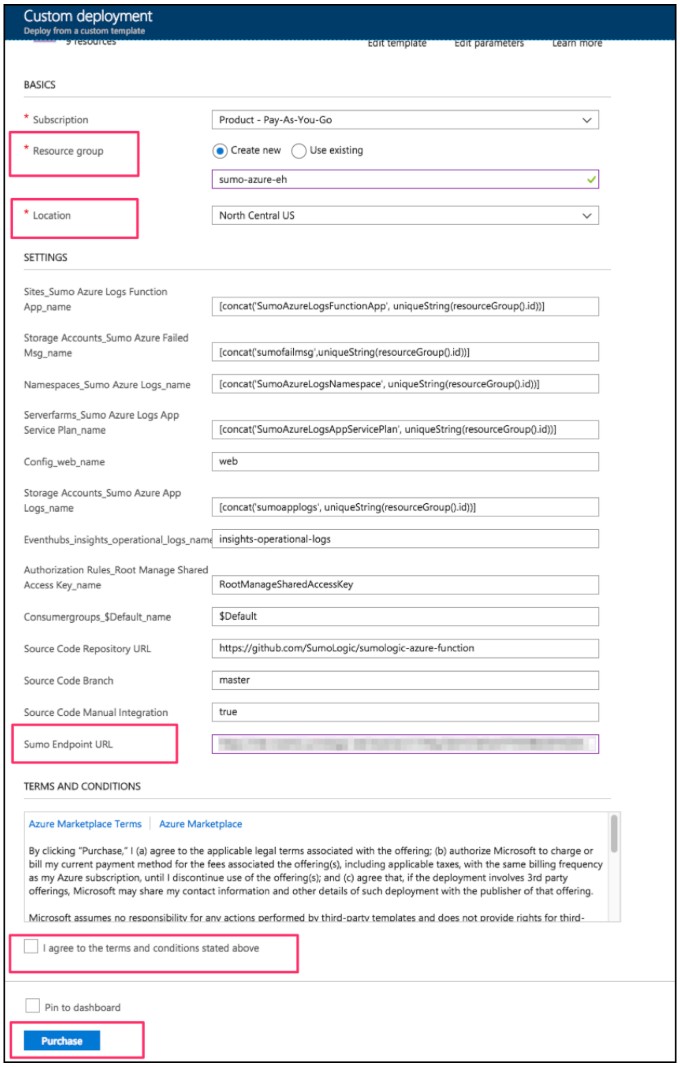
PUBLISHER	Microsoft
LOGICAPPSUPPORTED	none
USEFUL LINKS	Documentation

3. Click **Create**.
4. On the **Custom deployment** blade, click **Build your own template in the editor.**
5. Copy the contents of `azuredeploy_logs.json`, and paste it into the editor window.


Home > New > Marketplace > Everything > Template deployment > Custom deployment > Edit template
Edit template
Edit your Azure Resource Manager template
Add resource
Quickstart template
Load file
Download
Parameters (13)
Variables (0)
Resources (10)
[parameters('namespaces_SumoA...
[parameters('storageAccounts_Su...
[parameters('storageAccounts_Su...
[parameters('serverfarms_SumoAz...
[parameters('sites_SumoAzureApp...
[concat(parameters('namespaces_...
[concat(parameters('namespaces_...
[concat(parameters('namespaces_...
[concat(parameters('sites_SumoAz...
[concat(parameters('sites_SumoAz...
Save
Discard

```
{
    "$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
    "contentVersion": "1.0.0.0",
    "parameters": {
        "sites_SumoAzureApp_name": {
            "defaultValue": "[concat('SumoAzureApp', uniqueString(resourceGroup().id))]",
            "type": "String"
        },
        "storageAccounts_SumoAzure_name": {
            "defaultValue": "[concat('sumofail',uniqueString(resourceGroup().id))]",
            "type": "String"
        },
        "namespaces_SumoAzure_name": {
            "defaultValue": "[concat('SumoAzure', uniqueString(resourceGroup().id))]",
            "type": "String"
        },
        "serverfarms_SumoAzureAppServicePlan_name": {
            "defaultValue": "[concat('SumoAzureAppServicePlan', uniqueString(resourceGroup().id))]",
            "type": "String"
        },
        "config_web_name": {
            "defaultValue": "web",
            "type": "String"
        },
        "storageAccounts_SumoAzureAppLogs_name": {
            "defaultValue": "[concat('sumologs', uniqueString(resourceGroup().id))]",
            "type": "String"
        },
        "eventhubs_insights_operational_logs_name": {
            "defaultValue": "insights-operational-logs",
            "type": "String"
        },
        "AuthorizationRules_RootManageSharedAccessKey_name": {
            "defaultValue": "RootManageSharedAccessKey",
            "type": "String"
        },
        "hostNameBindings_sumoazureapp.azurewebsites.net_name": {
            "defaultValue": "[concat('sumoazureapp', uniqueString(resourceGroup().id),'.azurewebsites.net')]",
            "type": "String"
        },
        "consumergroups_$Default_name": {
            "defaultValue": "$Default",
            "type": "String"
        },
        "sourceCodeRepositoryURL": {
            "defaultValue":"https://github.com/Sumologic/sumologic-azure-function",
            "type": "String"
        },
        "sourceCodeBranch": {
            "defaultValue":"master",
            "type": "String"
        },
        "sourceCodeManualIntegration": {
            "defaultValue": "true",
            "type": "String"
        }
    },
    "variables": {},
```

6. Click **Save.**
7. Now you are back on the **Custom deployment** blade.
    a. Create a new Resource Group (recommended) or select an existing one.
    b. Choose Location.
    c. In the **Sumo Endpoint URL** field, enter the URL of the HTTP Source you configured in Step 1.
    d. Agree to the terms and conditions.
    e. Click **Purchase**.



Custom deployment

Deploy from a custom template

BASICS

* Subscription	Product - Pay-As-You-Go
* Resource group	● Create new ○ Use existing sumo-azure-eh ✓
* Location	North Central US

SETTINGS

Sites_Sumo Azure Logs Function App_name	[concat('SumoAzureLogsFunctionApp', uniqueString(resourceGroup().id))]
Storage Accounts_Sumo Azure Failed Msg_name	[concat('sumofailmsg',uniqueString(resourceGroup().id))]
Namespaces_Sumo Azure Logs_name	[concat('SumoAzureLogsNamespace', uniqueString(resourceGroup().id))]
Serverfarms_Sumo Azure Logs App Service Plan_name	[concat('SumoAzureLogsAppServicePlan', uniqueString(resourceGroup().id))]
Config_web_name	web
Storage Accounts_Sumo Azure App Logs_name	[concat('sumoapplogs', uniqueString(resourceGroup().id))]
Eventhubs_insights_operational_logs_name	insights-operational-logs
Authorization Rules_Root Manage Shared Access Key_name	RootManageSharedAccessKey
Consumergroups_$Default_name	$Default
Source Code Repository URL	https://github.com/SumoLogic/sumologic-azure-function
Source Code Branch	master
Source Code Manual Integration	true
Sumo Endpoint URL	[redacted]

TERMS AND CONDITIONS

Azure Marketplace Terms | Azure Marketplace

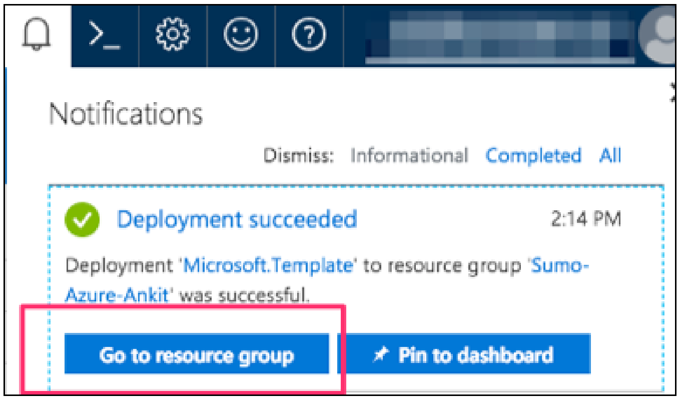
By clicking "Purchase," I (a) agree to the applicable legal terms associated with the offering; (b) authorize Microsoft to charge or bill my current payment method for the fees associated the offering(s), including applicable taxes, with the same billing frequency as my Azure subscription, until I discontinue use of the offering(s); and (c) agree that, if the deployment involves 3rd party offerings, Microsoft may share my contact information and other details of such deployment with the publisher of that offering.

Microsoft assumes no responsibility for any actions performed by third-party templates and does not provide rights for third-

□ I agree to the terms and conditions stated above

□ Pin to dashboard

8. Verify the deployment was successful by looking at **Notifications** at the top right corner of Azure Portal.



[redacted]

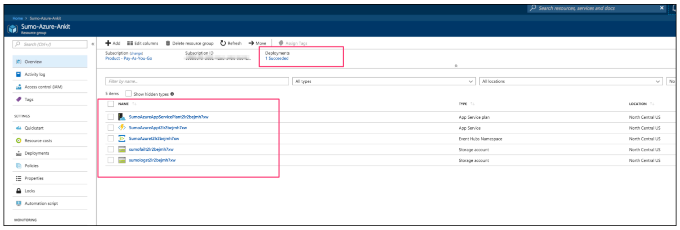
Notifications

Dismiss: Informational Completed All

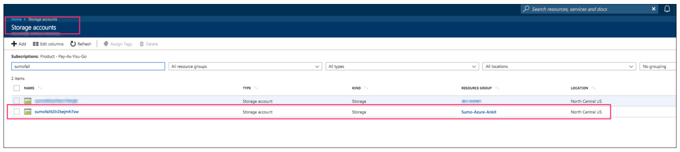
Deployment succeeded 2:14 PM

Deployment 'Microsoft.Template' to resource group 'Sumo-Azure-Ankit' was successful.

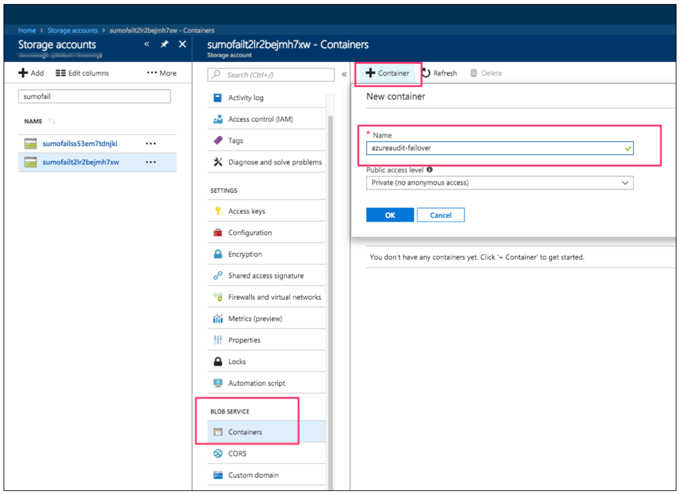
9. **(Optional)** In the same window, you can click **Go to resource group** to verify all resources have been created successfully. You will see something like this:



10. Go to **Storage accounts** and search for “sumofailmsg**”.** Click on “sumofailmsg*<random-string>”.*



11. Under **Blob Service**, click **Containers**, then click **+ Container**, enter the Name **azureaudit-failover**, and select **Private** for the **Public Access Level**. Click **OK**.



Step 3. Push logs from Azure Monitor to Event Hub

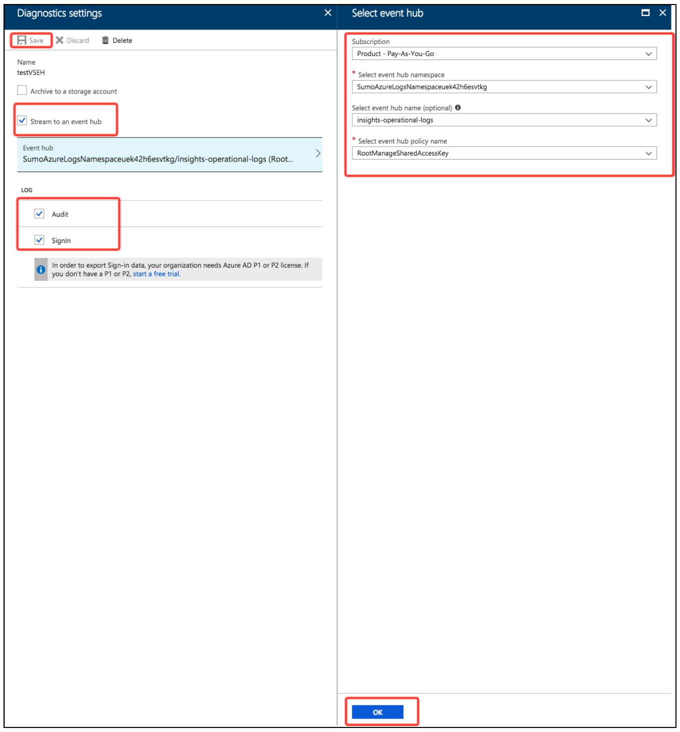
Various Azure Services connect to Azure Monitor to send monitoring data to an Event Hub. For more information, see Azure Monitor: Send monitoring data to an event hub and How do I set up Azure platform monitoring data to be streamed to an event hub? in Azure help.

We will use **Azure Active Directory** Service as an example to push Audit logs to Event Hub with Azure Monitor.

1. Login into Azure Portal.
2. Click **Azure Active Directory > Activity > Audit** logs.
3. Click **Export Settings**.
4. You will see the **Diagnostic Settings** blade which will show all your existing settings if any already exist. Click **Edit Setting** if you want to change your existing settings, or click **Add diagnostic setting** to add a new one. You can have a maximum of three settings.
5. Check the **Stream to an event hub box** and click on **Event hub / Configure**.
6. Select an Azure subscription.
7. Select the Event Hubs namespace you created in Step 2. It should start with

“SumoAzureLogsNamespace<*UniqueSuffix*>”.

8. Select **insights-operational-logs** from the **Select event hub name** dropdown.
9. Select **RootManageSharedAccessKey** from **Select event hub policy name** dropdown.
10. Click **OK** to exit event hub configuration.
11. Check the box under “Logs” labeled “Audit”.
12. Click **Save**.



Name
testV5EH

□ Archive to a storage account

☑ Stream to an event hub

Event hub
SumoAzureLogsNamespaceuek42h6esvtkg/insights-operational-logs (Root...

LOG

☑ Audit

☑ SignIn

In order to export Sign-in data, your organization needs Azure AD P1 or P2 license. If you don't have a P1 or P2, start a free trial.

Subscription
Product - Pay-As-You-Go

* Select event hub namespace
SumoAzureLogsNamespaceuek42h6esvtkg

Select event hub name (optional)
insights-operational-logs

* Select event hub policy name
RootManageSharedAccessKey

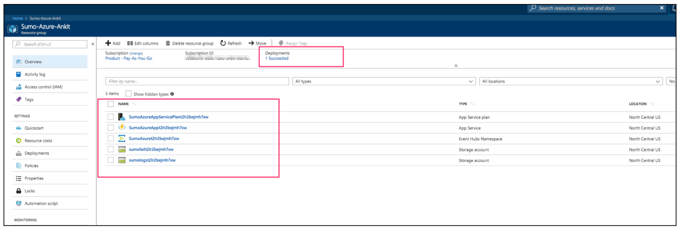
Troubleshooting log collection

If logs are not flowing into Sumo Logic, follow the steps below to investigate the problem.

Verify Configurations

First, make sure that the resources you created above were successfully created.

1. Go to **Resource groups**, and select the resource group you created or selected in [Step 2. Configure Azure resources using ARM Template](). You should see the five resources you created: an App Service plan, an App Service, an Event Hubs Namespace, and two Storage accounts.



Sumo-Azure-Ankit
Resource group

Subscription (change)
Product - Pay-As-You-Go

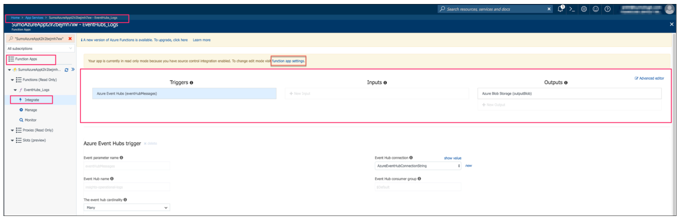
Subscription ID
[redacted]

Deployments
1 Succeeded

5 items □ Show hidden types

NAME	TYPE	LOCATION
SumoAzureAppServicePlant2lr2bejmh7xw	App Service plan	North Central US
SumoAzureAppt2lr2bejmh7xw	App Service	North Central US
SumoAzuret2lr2bejmh7xw	Event Hubs Namespace	North Central US
sumofailt2lr2bejmh7xw	Storage account	North Central US
sumologst2lr2bejmh7xw	Storage account	North Central US

2. From the left pane of Azure Portal, Click **AppServices**, search for “SumoAzureLogsFunctionApp”. You should find the “SumoAzureLogsFunctionApp<random-string>” Function App. Click it.
3. On the **Function Apps** blade, click **Integrate**. Verify that the **Triggers** field value is “Azure Event Hubs” and the **Outputs** field value is “Azure Blob Storage”.



Home > App Services > SumoAzureAppt2lr2bejmh7xw - EventHubs_Logs

SumoAzureAppt2lr2bejmh7xw - EventHubs_Logs
Function Apps

A new version of Azure Functions is available. To upgrade, click here Learn more

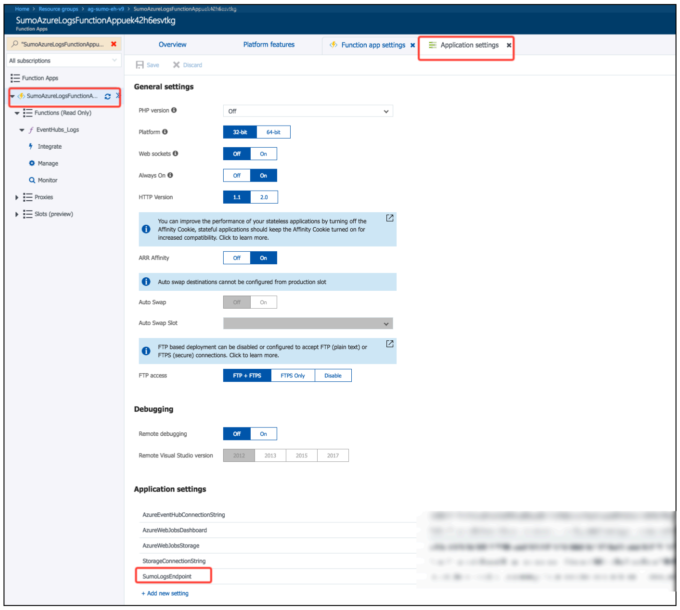
Your app is currently in read only mode because you have source control integration enabled. To change edit mode visit function app settings.

Triggers	Inputs	Outputs
Azure Event Hubs (eventHubMessages)	+ New Input	Azure Blob Storage (outputBlob)
		+ New Output

Azure Event Hubs trigger

Event parameter name: eventHubMessages
Event Hub connection: AzureEventHubConnectionString
Event Hub name: insights-operational-logs
Event Hub consumer group: $Default
The event hub cardinality: Many

4. In the same window, click the **function app settings** link. Check that the value of the **SumoLogsEndpoint** field matches the HTTP Source URL.



Home > Resource groups > ag-sumo-eh-v9 > SumoAzureLogsFunctionAppuek42h6esvtkg

SumoAzureLogsFunctionAppuek42h6esvtkg
Function Apps

General settings

PHP version: Off
Platform: 32-bit
Web sockets: Off
Always On: On
HTTP Version: 1.1

You can improve the performance of your stateless applications by turning off the Affinity Cookie, stateful applications should keep the Affinity Cookie turned on for increased compatibility. Click to learn more.

ARR Affinity: On

Auto swap destinations cannot be configured from production slot

Auto Swap: Off
Auto Swap Slot

FTP based deployment can be disabled or configured to accept FTP (plain text) or FTPS (secure) connections. Click to learn more.

FTP access: FTP + FTPS

Debugging

Remote debugging: Off
Remote Visual Studio version: 2012

Application settings

AzureEventHubConnectionString
AzureWebJobsDashboard
AzureWebJobsStorage
StorageConnectionString
SumoLogsEndpoint

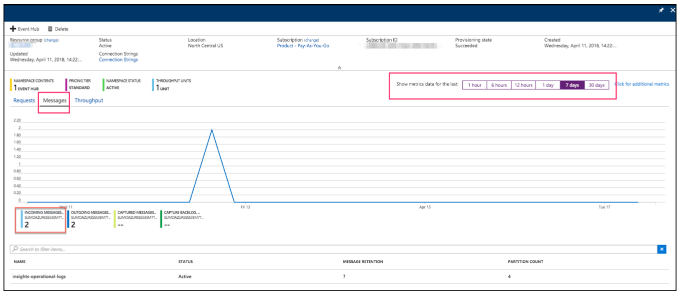
[redacted]

+ Add new setting

Verify Event Hub is receiving log messages

To verify that events are appearing in your event hub:

1. Navigate to the event hub in the Azure Portal.
2. Click the **Messages** link.
3. Message summary information appears below the chart. Check that the **Incoming Messages** count is greater than zero.



Resource group (change): [redacted]
Status: Active
Location: North Central US
Subscription (change): Product - Pay-As-You-Go
Subscription ID: [redacted]
Provisioning state: Succeeded
Created: Wednesday, April 11, 2018, 14:22:...
Updated: Wednesday, April 11, 2018, 14:22:...
Connection Strings: Connection Strings

NAMESPACE CONTENTS: 1 EVENT HUB
PRICING TIER: STANDARD
NAMESPACE STATUS: ACTIVE
THROUGHPUT UNITS: 1 UNIT

Show metrics data for the last: 7 days

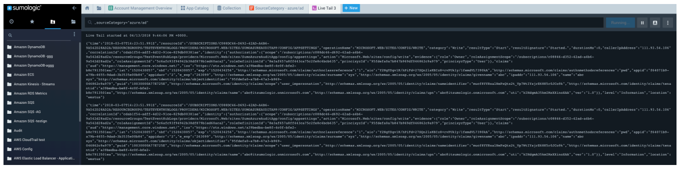
INCOMING MESSAGES... SUMOAZURESSS3EM7T...: 2
OUTGOING MESSAGES... SUMOAZURESSS3EM7T...: 2
CAPTURED MESSAGES... SUMOAZURESSS3EM7T...: --
CAPTURE BACKLOG... SUMOAZURESSS3EM7T...: --

NAME	STATUS	MESSAGE RETENTION	PARTITION COUNT
insights-operational-logs	Active	7	4

Run the function manually

Perform the steps below to verify that the Azure function is sending messages to Sumo.

1. Click **EventHubs_Logs** under the **Function** blade.
2. Copy and paste the sample payload into the **Request Body** window
3. Click **Run**. This sends the test payload to the URL for the HTTP Source you configured.
4. Check the output, and make sure you see “Successfully sent to Sumo” log messages.
   ```
   2018-04-17T20:30:09.681 [Info] Successfully sent to Sumo
   2018-04-17T20:30:09.681 [Info] Sent all data to Sumo. Exit now.
   2018-04-17T20:30:09.681 [Info] Function completed (Success,
   Id=b6ee4119-dd3e-4ba6-9cbd-484a57f822a0, Duration=90ms)
   ```
5. In Sumo, open a Live Tail tab and make sure you receive the event. Search by the source category you assigned to the HTTP Source that receives the log data, for example:
   ```
   _sourceCategory="azure/ad"
   ```



```
_sourceCategory="azure/ad"
```

```
Live Tail started at 04/13/2018 9:44:06 PM +0000.

{"time":"2018-03-07T14:23:51.991Z","resourceId":"/SUBSCRIPTIONS/C088DC46-D692-42AD-A4B6-
9A542D28AD2A/RESOURCEGROUPS/TESTEVENTHUBLOGS/PROVIDERS/MICROSOFT.WEB/SITES/SUMOAZUREAUDITAPP/CONFIG/APPSETTINGS","operationName":"MICROSOFT.WEB/SITES/CONFIG/WRITE","category":"Write","resultType":"Start","resultSignature":"Started.","durationMs":0,"callerIpAddress":"111.93.54.106"
,"correlationId":"cdab1f54-adff-4d32-91ce-829db00381ae","identity":{"authorization":{"scope":"/subscriptions/c088dc46-d692-42ad-a4b6-
9a542d28ad2a/resourceGroups/TestEventHubLogs/providers/Microsoft.Web/sites/SumoAzureAuditApp/config/appsettings","action":"Microsoft.Web/sites/config/write","evidence":{"role":"Owner","roleAssignmentScope":"/subscriptions/c08846-d352-42ad-a4b6-
9a542d28ad2a","roleAssignmentId":"5c6afc93f94942b38df879b1ed60aca2","roleDefinitionId":"8e3af657a8ff443ca75c2fe8c4bcb635","princixyzId":"95fdefa0a7b847b969df046862c9a979","princixyzType":"User"}},"claims":
{"aud":"https://management.core.windows.net/","iss":"https://sts.windows.net/a39bedba-be8f-4c0f-bfe2-
b8c7913501ea/","iat":"1520430057","nbf":"1520430057","exp":"1520434256","http://schemas.microsoft.com/claims/authnclassreference":"1","aio":"Y2NgYDgv1K/hPiFd+27SQn2lsKBIz8+rvPUkly/1femdVL7390kA","http://schemas.microsoft.com/claims/authnmethodsreferences":"pwd","appid":"f64071b9-
a79b-4655-9dad-3b3535e00b84","appidacr":"2","e_exp":"263099","http://schemas.xmlsoap.org/ws/2005/05/identity/claims/surname":"xyz","http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname":"abc","ipaddr":"111.93.54.106","name":"abc
xyz","http://schemas.microsoft.com/identity/claims/objectidentifier":"95fdefa0-a7b8-47a3-b969-
046862c9a979","puid":"10030000A77E725E","http://schemas.microsoft.com/identity/claims/scope":"user_impersonation","http://schemas.xmlsoap.org/ws/2005/05/identity/claims/nameidentifier":"mucf8YYRxalNePxQtx2t_Vp7WtIYsjrE68K5r0JCo9k","http://schemas.microsoft.com/identity/claims/tena
ntid":"a39bedba-be8f-4c0f-bfe2-
b8c7913501ea","http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name":"abc@itsumologic.onmicrosoft.com","http://schemas.xmlsoap.org/ws/2005/05/identity/claims/upn":"abc@itsumologic.onmicrosoft.com","uti":"kINdgmA35kmIMsXXinoXAA","ver":"1.0"}},"level":"Information","location":
"westus"}

{"time":"2018-03-07T14:23:51.991Z","resourceId":"/SUBSCRIPTIONS/C088DC46-D692-42AD-A4B6-
9A542D28AD2A/RESOURCEGROUPS/TESTEVENTHUBLOGS/PROVIDERS/MICROSOFT.WEB/SITES/SUMOAZUREAUDITAPP/CONFIG/APPSETTINGS","operationName":"MICROSOFT.WEB/SITES/CONFIG/WRITE","category":"Write","resultType":"Start","resultSignature":"Started.","durationMs":0,"callerIpAddress":"111.93.54.106"
,"correlationId":"cdab1f54-adff-4d32-91ce-829db00381ae","identity":{"authorization":{"scope":"/subscriptions/c088dc46-d692-42ad-a4b6-
9a542d28ad2a/resourceGroups/TestEventHubLogs/providers/Microsoft.Web/sites/SumoAzureAuditApp/config/appsettings","action":"Microsoft.Web/sites/config/write","evidence":{"role":"Owner","roleAssignmentScope":"/subscriptions/c08846-d352-42ad-a4b6-
9a542d28ad2a","roleAssignmentId":"5c6afc93f94942b38df879b1ed60aca2","roleDefinitionId":"8e3af657a8ff443ca75c2fe8c4bcb635","princixyzId":"95fdefa0a7b847b969df046862c9a979","princixyzType":"User"}},"claims":
{"aud":"https://management.core.windows.net/","iss":"https://sts.windows.net/a39bedba-be8f-4c0f-bfe2-
b8c7913501ea/","iat":"1520430057","nbf":"1520430057","exp":"1520434256","http://schemas.microsoft.com/claims/authnclassreference":"1","aio":"Y2NgYDgv1K/hPiFd+27SQn2lsKBIz8+rvPUkly/1femdVL7390kA","http://schemas.microsoft.com/claims/authnmethodsreferences":"pwd","appid":"f64071b9-
a79b-4655-9dad-3b3535e00b84","appidacr":"2","e_exp":"263099","http://schemas.xmlsoap.org/ws/2005/05/identity/claims/surname":"xyz","http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname":"abc","ipaddr":"111.93.54.106","name":"abc
xyz","http://schemas.microsoft.com/identity/claims/objectidentifier":"95fdefa0-a7b8-47a3-b969-
046862c9a979","puid":"10030000A77E725E","http://schemas.microsoft.com/identity/claims/scope":"user_impersonation","http://schemas.xmlsoap.org/ws/2005/05/identity/claims/nameidentifier":"mucf8YYRxalNePxQtx2t_Vp7WtIYsjrE68K5r0JCo9k","http://schemas.microsoft.com/identity/claims/tena
ntid":"a39bedba-be8f-4c0f-bfe2-
b8c7913501ea","http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name":"abc@itsumologic.onmicrosoft.com","http://schemas.xmlsoap.org/ws/2005/05/identity/claims/upn":"abc@itsumologic.onmicrosoft.com","uti":"kINdgmA35kmIMsXXinoXAA","ver":"1.0"}},"level":"Information","location":
"westus"}
```

Azure error when exporting logs

If you receive an Azure error similar to the following when exporting logs, it means that Azure Active Directory is not associated with an Azure subscription. Follow the instructions to Associate or add an Azure subscription to your Azure Active Directory tenant.

> An Azure subscription is required to use this capability.
> Please create an Azure subscription to get started.

Common Azure function errors.

ExitCode C0000005

ExitCodeString NATIVE ACCESS VIOLATION

Managed Exception = System.AccessViolationException:Attempted to read or write protected memory. This is often an indication that other memory is corrupt.

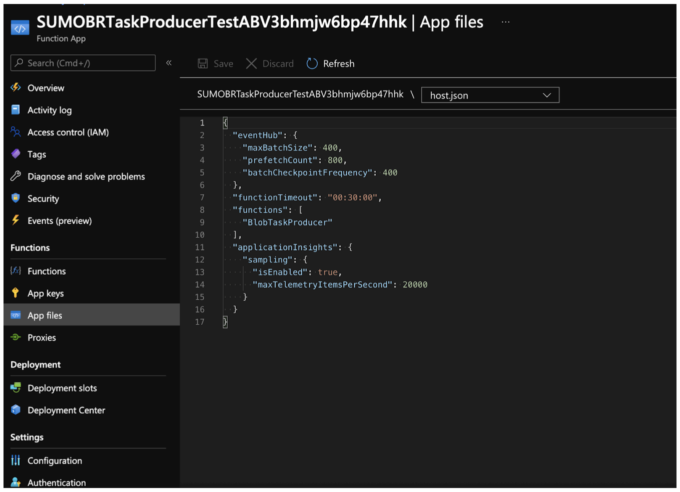
CallStack - Managed Exception

The above error occurs in certain situations the runtime initiates a host shutdown via HostingEnvironment.InitiateShutdown, for example when an unhandled global exception occurs, when a function TimeoutException is thrown, or when performance counter thresholds are exceeded (HostHealthMonitor)

If you are using this function for quite some time then we recommend redeploying the solution with new ARM templates.

If the error still persists in BlobTaskProducer function and failure rate > 1% then

1> Increase the time out of the BlobTaskProducer Function to 30 min in host.json by clicking on Appfiles

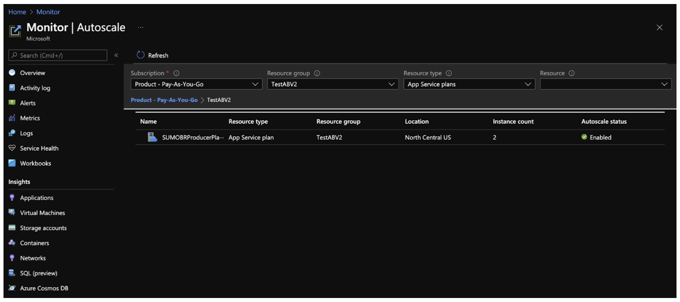


SUMOBRTaskProducerTestABV3bhmjw6bp47hhk \ host.json

```
{
  "eventHub": {
    "maxBatchSize": 400,
    "prefetchCount": 800,
    "batchCheckpointFrequency": 400
  },
  "functionTimeout": "00:30:00",
  "functions": [
    "BlobTaskProducer"
  ],
  "applicationInsights": {
    "sampling": {
      "isEnabled": true,
      "maxTelemetryItemsPerSecond": 20000
    }
  }
}
```

2> Increase the number of min instances in app service plan of the BlobTaskProducer function

1. Go to Monitor -> Autoscale
2. Select the resource group in which you deployed the ARM template and select app service plan (SUMOBRProducerPlan<suffix>) in resource type

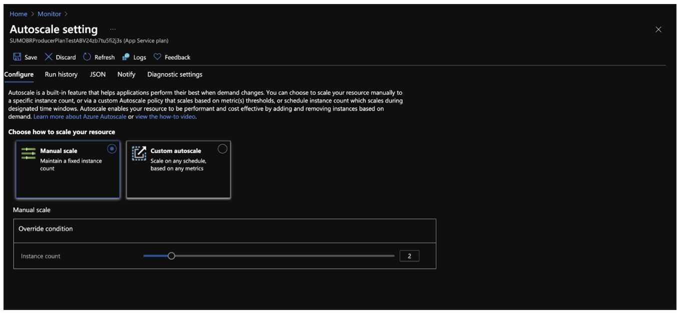


Subscription *: Product - Pay-As-You-Go
Resource group: TestABV2
Resource type: App Service plans
Resource:

Product - Pay-As-You-Go > TestABV2

Name	Resource type	Resource group	Location	Instance count	Autoscale status
SUMOBRProducerPla…	App Service plan	TestABV2	North Central US	2	✓ Enabled

3. Click on Manual scale and set min instance count to 2. You can also use auto scaling to save on costs.



Autoscale setting
SUMOBRProducerPlanTestABV24zb7tu5fi2j3s (App Service plan)

Autoscale is a built-in feature that helps applications perform their best when demand changes. You can choose to scale your resource manually to a specific instance count, or via a custom Autoscale policy that scales based on metric(s) thresholds, or schedule instance count which scales during designated time windows. Autoscale enables your resource to be performant and cost effective by adding and removing instances based on demand. Learn more about Azure Autoscale or view the how-to video.

Choose how to scale your resource

● Manual scale
Maintain a fixed instance count

○ Custom autoscale
Scale on any schedule, based on any metrics

Manual scale

Override condition

Instance count: 2

If the error still persists in BlobTaskConsumer function and failure rate > 1% then you can migrate from Consumption plan to Premium plan by making changes in the ARM template

```
{
            "comments": "Generalized from resource: '/subscriptions/c088dc46-d692-42ad-a4b6-9a542d28ad2a/
resourceGroups/BlobReaderGroup/providers/Microsoft.Web/serverfarms/ConsumerPlan'.",
            "type": "Microsoft.Web/serverfarms",
            "kind": "app",
            "name": "[parameters('serverfarms_ConsumerPlan_name')]",
            "apiVersion": "2018-02-01",
            "location": "[resourceGroup().location]",
            "sku": {
                "name": "P1v2",
                "tier": "PremiumV2",
                "size": "P1v2",
                "family": "Pv2",
                "capacity": 2
            },
            "properties": {
                "maximumElasticWorkerCount": 1,
                "perSiteScaling": false,
                "targetWorkerCount": 0,
                "targetWorkerSizeId": 0,
                "reserved": false,
                "isSpot": false,
                "isXenon": false,
                "hyperV": false
            },
            "dependsOn": []
        },
```

Azure Integration FAQs

For answers to frequently asked questions (FAQs) about integrating Azure into an enterprise environment using ARM (Advanced RISC Machine) architecture, see Azure Integrations using ARM.