

Azure Sentinel management using PowerShell

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Introduction

Now that we have an official PowerShell module for Azure Sentinel, we can use PowerShell with Azure Sentinel. In this small ebook, I will show you how to manage Azure Sentinel with the native cmdlets. Just to point out, that's the first version, and in version 0.1.0, we have these cmdlets:

Incident management:

- Get-AzSentinelIncident
- New-AzSentinelIncident
- Get-AzSentinelIncidentComment
- New-AzSentinelIncidentComment
- New-AzSentinelIncidentOwner
- Remove-AzSentinelIncident
- Update-AzSentinelIncident

Alert Rule Management:

- Get-AzSentinelAlertRule
- Get-AzSentinelAlertRuleAction
- Get-AzSentinelAlertRuleTemplate
- New-AzSentinelAlertRule
- New-AzSentinelAlertRuleAction
- Remove-AzSentinelAlertRule
- Remove-AzSentinelAlertRuleAction
- Update-AzSentinelAlertRule
- Update-AzSentinelAlertRuleAction

Bookmark Management

- Get-AzSentinelBookmark
- New-AzSentinelBookmark
- Remove-AzSentinelBookmark
- Update-AzSentinelBookmark

Connector Management

- Get-AzSentinelDataConnector
- New-AzSentinelDataConnector
- Remove-AzSentinelDataConnector
- Update-AzSentinelDataConnector

Requirements

- PowerShell modules
 - AzureAD
 - o Az.SecurityInsights
 - o Az
- Azure Sentinel activated on your Log Analytics workspace
- Permissions

Every Azure Sentinel cmdlet requires us to specify **ResourceGroupName** and **WorkspaceName** parameters. To simplify that part, we can define a hash table with the needed information. Later we can reference that hash table. You can read more about that method from here - <u>about_Splatting - PowerShell | Microsoft Docs</u>

So let's get started.

The first step is to install these three PowerShell modules from the PowerShell Gallery

- Install-Module -Name Az.SecurityInsights -Verbose -Force
- Install-Module -Name AzureAD -Verbose -Force
- Install-Module -Name Az -Verbose -Force

Please remember that you need administrative permissions to install these.

The next step is to make a connection to your Azure environment using the **Connect-AzAccount** cmdlet. You can read more about **Connect-AzAccount** from here - <u>Connect-AzAccount</u> (Az.Accounts) | Microsoft Docs

If you have access to different subscriptions, then you may need to change the subscription. To achieve that, just run the **Get-AzSubscription** cmdlet, copy the subscription **ID** where you have the Azure Sentinel workspace and then run **Set-AzContext** cmdlet like this:

- Set-AzContext -Subscription %MySubcriptionID%
 - o **%MySubcriptionID%** should be replaced with the actual ID

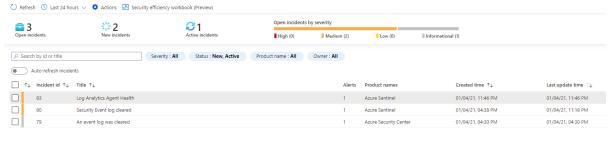
After all these steps, you should be ready to automate Azure Sentinel with PowerShell.

Part 1 – Incident Management using PowerShell

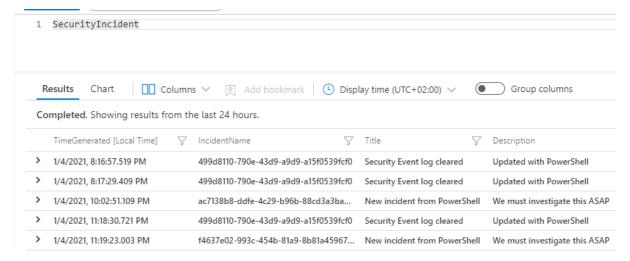
Get a specific incident

Summary

Most of the code examples include the <u>\$AzureSentinelWorkSpaceInfo</u> variable. That's our hash table where we have stored our **resource group name** and **Log Analytics workspace name**. In the below code example, we are querying only one specific incident. As you see from the code block that we need to specify the **IncidentID** parameter. By default, the Azure Sentinel portal doesn't show that information, and you need to query that from the **SecurityIncident** table.



Azure Sentinel portal



SecurityIncident table

Copy the value from the **IncidentName** column, and you should see the incident details with PowerShell.

Code example

```
$AzureSentinelworkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    workspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$IncidentID = "499d8110-790e-43d9-a9d9-a15f0539fcf0"
Get-AzSentinelIncident @AzureSentinelworkSpaceInfo -IncidentID
```

```
Name : A99d8110-790e-43d9-a9d9-a15f039fcf0
Type : Microsoft.securityInsights/Incidents
Etag : 12003307-0000-0c00-0000-5ff3805b0000°
AdditonalData : Classification Celassification Classification Classification Combent Classification Classification Combent Classification Clas
```

List all incidents

Summary

Get-AzSentinelIncident cmdlet allows you to query all the incidents. Just run the cmdlet with your environment information, and it should list all the incidents. If it is needed, you can do the filtering based on the **CreatedTimeUTC** property.

Code example

```
$AzureSentinelWorkSpaceInfo = @{
   ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
   WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
Get-AzSentinelIncident @AzureSentinelWorkSpaceInfo
```

```
Name : cd4ed795-b6d7-411b-87de-bff2e542d7a9
Type : Microsoft.SecurityInsights/Incidents
EditorialData : 2800d20b-0000-000-000-562920c0000
AdditionalData : Microsoft.Azure.Commands.SecurityInsights.Models.Incidents.PSSentinelIncidentAdditionalData : Classification Classification Commands : Classification Commands : 27. 06.202 18:02:01
Description : File policy 'Malware detection' was matched by 'kekeo.zip'
FirstActivityTimeutc : 27. 06.202 18:02:01
Description : File policy 'Malware detection' was matched by 'kekeo.zip'
FirstActivityTimeutc : 7. 06.202 18:03:55
IncidentNumber : 1
IncidentUnl : https://portal.azure.com/#asset/Microsoft_Azure_Security_Insights/Incident/
Labels : 3
Labels : 3
Labels : 3
Labels : 17 06.2020 18:03:55
LasetStooldfiedTimeUtc : 77 06.2020 18:03:55
LasetStooldfiedTimeUtc : 77 06.2020 18:03:55
Severity : Medium : Microsoft_Azure_Commands.SecurityInsights.Models.Incidents.PSSentinelIncidentOwner
Severity : Medium : Medium : New :
```

Get all incidents and order by CreatedTimeUTC property

Summary

In this example, we have selected only two different properties using the **Select-Object** cmdlet – **Title** and **CreatedTimeUTC** and then sorting the results based on the **CreatedTimeUTC** property.

Code example

```
$AzureSentinelWorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}

Get-AzSentinelIncident @AzureSentinelWorkSpaceInfo |
    Select-Object -Property Title,CreatedTimeUTC |
    Sort-Object -Property CreatedTimeUTC -Descending
```

```
Title CreatedTimeUTC
----
Security Event log cleared 04.01.2021 14:38:08
An event log was cleared 04.01.2021 14:30:24
Connection to a blocked cloud application was detected 23.12.2020 09:30:55
Log Analytics Agent Health 17.12.2020 12:49:09
Log Analytics Agent Health 16.12.2020 12:48:41
Log Analytics Agent Health 16.12.2020 20:08:22
```

Get all incidents and convert CreatedTimeUTC property to local DateTime

Summary

As you saw from the previous example, incident creation dates are in the UTC time zone. To convert the dates into the local time zone, we need to add one additional function. I'm not the author of that function, and it is taken from the ScriptingGuy blog.

Code example

```
Function Convert-UTCtoLocal
#Source - https://devblogs.microsoft.com/scripting/powertip-convert-from-utc-to-
my-local-time-zone/ PowerTip: Convert from UTC to my local time zone | Scripting
Blog (microsoft.com)
#Author - Thomas Rayner
     Param(
           Parameter(Mandatory=$True)]
          [Parameter(Manda
[String]$UTCTime
     $CurrentTimeZone = (Get-WmiObject win32_timezone).StandardName
$TimeZone = [System.TimeZoneInfo]::FindSystemTimeZoneById($CurrentTimeZone)
     $LocalTime = [System.TimeZoneInfo]::ConvertTimeFromUtc($UTCTime, $TimeZone)
     $LocalTime
}
$ProcessedIncidents = @()
$AzureSentinelworkSpaceInfo = @{
   ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
   WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
$Incidents = Get-AzSentinelIncident @AzureSentinelWorkSpaceInfo
foreach($Incident in $Incidents){
     $IncidentDetails = [ORDERED]@{
          IncidentID = $Incident Name
          CreatedTime = Convert_UTCtoLocal -UTCTime $Incident.CreatedTimeUTC
          Title = $Incident.Title
          Status = $Incident.Status
     $PoshObject = New-Object -TypeName PSObject -Property $IncidentDetails
$ProcessedIncidents += $PoshObject
}
$ProcessedIncidents
```

IncidentID	CreatedTime	Title	Status
ac7138b8-ddfe-4c29-b96b-88cd3a3bad36			New
499d8110-790e-43d9-a9d9-a15f0539fcf0			Active
2c89d3cd-d9a3-4a79-b826-fa778fd2fee4	04.01.2021 16:30:24	An event log was cleared	New
		Connection to a blocked cloud application was detected	New
ae88d00c-b15a-4d31-bd3d-a843d3596fae			New
a4eca29b-1c32-4145-ba8e-f21f33d20242			New
19458b33-1d16-4cb4-9f3c-741fc01f85a9			New
6ad07c69-dea8-4937-acbc-6e5bfde59d94			New
212356dc-5ab6-4a92-8103-4dfb584ba337	15.12.2020 22:08:22	Log Analytics Agent Health	New

Update incident details

Summary

Changing the incident owner requires us to install the **Azure AD PowerShell** module. You can take the incident owner information manually from the Azure AD portal too, but most likely, it would be easier to use Azure AD PowerShell cmdlets for that. Run the **Get-AzureADUser** cmdlet and get the user details. After that, you can use the **New-AzSentinelIncidentOwner** cmdlet to create the owner object. Finally, run the **Update-AzSentinelIncident** command.

Code example

```
Connect-AzureAD

$AzureADUserDetails = Get-AzureADUser -ObjectId "John@Contoso.com"
$IncidentID = "499d8110-790e-43d9-a9d9-a15f0539fcf0"

$AzureSentinelWorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}

$IncidentOwnerDetails = @{
    AssignedTo = $AzureADUserDetails.DisplayName
    Email = $AzureADUserDetails.Mail
    Objectid = $AzureADUserDetails.ObjectId
    UserPrincipalName = $AzureADUserDetails.UserPrincipalName
}

$IncidentOwner = New-AzSentinelIncidentOwner @IncidentOwnerDetails
Update-AzSentinelIncident @AzureSentinelWorkSpaceInfo -IncidentID $IncidentID -Owner $IncidentOwner -Status Active
```

Output



Updated incident owner

01/04/21, 04:30 PM

An event log was cleared

01/04/21, 04:30 PM

Add a comment to an incident

Summary

Azure Sentinel allows us to add HTML based comments too. You can add tables or just formatted texts. The first example uses HTML tags, and the second one is just a regular comment without any formatting.

Code example 1

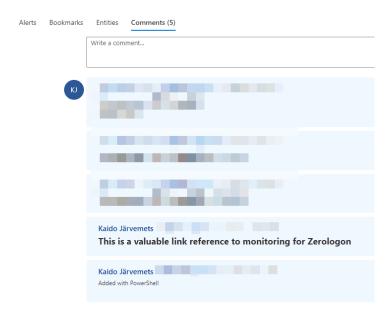
```
$AzureSentinelworkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$IncidentID = "499d8110-790e-43d9-a9d9-a15f0539fcf0"

New-AzSentinelIncidentComment @AzureSentinelworkSpaceInfo -IncidentID -Message "<h2>We can use HTML too!!!</h2>"
```

Code example 2

```
$AzureSentinelWorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$IncidentID = "499d8110-790e-43d9-a9d9-a15f0539fcf0"

New-AzSentinelIncidentComment @AzureSentinelWorkSpaceInfo -IncidentID -Message "We need to investigate this ASAP"
```



Read incident comments

Summary

Code example

```
$AzureSentinelWorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$IncidentID = "499d8110-790e-43d9-a9d9-a15f0539fcf0"
Get-AzSentinelIncidentComment @AzureSentinelWorkSpaceInfo -IncidentID
```

```
Name : c6362857-3f0a-4bee-bf13-7f4c89eb0329
Type : Microsoft.SecurityInsights/Incidents/Comments
Author : Microsoft.Azure.Commands.SecurityInsights.Models.IncidentComments.PSSentinelIncidentCommentAuthor
CreatedTimeUtc : 04.01.2021 19:35:12
Message : <h2>This is a valuable link reference to monitoring for Zerologon</h2>

Id : Mame : 874fb16d-1418-400c-9f55-6627766b6557
Type : Microsoft.SecurityInsights/Incidents/Comments
Author : Microsoft.SecurityInsights/Incidents/Comments
CreatedTimeUtc : 04.01.2021 19:33:10
Message : Added with PowerShell
```

Create an incident

Summary

New-AzSentinelIncident cmdlet allows you to create new incidents. The strange thing is that the data source will be empty, and no investigation isn't available.

Code example

```
$AzureSentine]WorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}

New-Azsentine]Incident @AzureSentine]WorkSpaceInfo -Title "New incident from PowerShell" -Description "We must investigate this ASAP" -Severity Low -Status New
```

```
Id : : | f4637e02-93c-454b-81a9-8b81a4596708 | microsoft.scurrityInsights/Incidents | microsoft.scurrityInsights/Incidents | microsoft.scurrityInsights/Incidents | microsoft.scurrityInsights/Incidents | microsoft.scurrityInsights.Models.Incidents.PSSentinelIncidentAdditionalData | microsoft.scurrityInsights.Models.Incidents.PSSentinelIncidentOwner | mic
```

Remove incident

Summary

Remove-AzSentinelIncident removes the incident without any confirmations.

Code example

```
$AzureSentinelworkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    workspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$IncidentID = "499d8110-790e-43d9-a9d9-a15f0539fcf0"
Remove-AzSentinelIncident @AzureSentinelWorkSpaceInfo -IncidentID $IncidentID
```

Output

The Remove-AzSentinelIncident cmdlet should return "success" if the removal was successful.

Part 2 – Alert Rule Management using PowerShell

Get all enabled Analytics rules

Summary

Get-AzSentinelAlertRule cmdlet lists all the enabled Analytics rules.

Code Example

```
$AzureSentinelworkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    workspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
Get-AzSentinelAlertRule @AzureSentinelworkSpaceInfo
```

Get Analytics rule action

Summary

Azure Sentinel allows you to configure automated response actions to your analytics rules. **Get-AzSentinelAlertRuleAction** lists the configured playbooks. Use the **Get-AzSentinelAlertRule** cmdlet to get the **AlertRuleID** parameter value. Check the **Name** property

Code Example

```
$AzureSentinelWorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$AlertRuleId = "84d3a26d-1a32-4992-8c35-769cb2a98032"
Get-AzSentinelAlertRuleAction @AzureSentinelWorkSpaceInfo -AlertRuleId
$AlertRuleId
```

Get Analytics rule action detailed information

Summary

In the previous example, we queried the configured playbook. Still, if you want more information about the configured playbook, we need to execute the **Get-AzLogicApp** cmdlet. In the below code example, I'm also using the Split-Path cmdlet. That gives me the configured playbook name.

If you have multiple playbooks configured under the Analytics rule, you need to change the code slightly. Currently, the example assumes that you have only one playbook per the Analytics rule.

Code Example

```
$AzureSentinelWorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$LogicAppsInfo = @{
    ResourceGroupName = "RG-PROD-IT-LOGIC-APPS-WE"
}
$AlertRuleId = "84d3a26d-1a32-4992-8c35-769cb2a98032"
$AlertRuleAction = Get-AzSentinelAlertRuleAction @AzureSentinelWorkSpaceInfo -AlertRuleId $AlertRuleId
$AlertRuleActionName = $AlertRuleAction.LogicAppResourceId | Split-Path -Leaf Get-AzLogicApp @LogicAppsInfo -Name $AlertRuleActionName
```

Output

You should see the following information:

```
    Id
    :
    Post-Message-Teams

    Name
    :
    Microsoft.logic/workflows

    Location
    :
    westeurope

    ChangedTime
    :
    12.11.2020 18:02:11

    CreatedTime
    :
    0.08.2020 10:52:59

    AccessEndpoint
    :
    Famabled

    Befinition
    {Sschema. contentVersion, parameters, triggers...}

    Parameters
    :
    {[sonnections, Microsoft.Azure.Management.Logic.Models.workflowParameter]}

    SkuName
    AppServicePlan

    AppServicePlan
    :

    Plantid
    :

    Version
    :

    0858596402754
```

List all Analytics rule templates

Summary

Get-AzSentinelAlertRuleTemplate lists all the available Analytics rule templates.

Code Example

```
$AzureSentinelWorkSpaceInfo = @{
   ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
   WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
Get-AzSentinelAlertRuleTemplate @AzureSentinelWorkSpaceInfo
```

Output

You should see the following information:

Count all the Analytics rule templates

Summary

Code Example

```
$AzureSentinelWorkSpaceInfo = @{
   ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
   WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
Get-AzSentinelAlertRuleTemplate @AzureSentinelWorkSpaceInfo | Measure-Object
```

Output

Count : 188
Average :
Sum :
Maximum :
Minimum :
Property :

List all Analytics rules and sort rules based on the Severity

Summary

In this example, we have selected out only four properties - **DisplayName**, **Status**, **CreatedDateUtc**, and **Severity**. Then we are sorting the results based on the **Severity** property.

Code Example

```
$AzureSentinelWorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}

Get-AzSentinelAlertRuleTemplate @AzureSentinelWorkSpaceInfo |
    Select-Object -Property DisplayName, Status, CreatedDateUtc, Severity |
    Sort-Object -Property Severity -Descending
```

Output

The above code block should give you the following output:

```
DisplayName

Malware attachment delivered
Distributed Password cracking attempts in AzureAD
Available 20.06.2020 00:00:00 Medium
ADFS Key Export (Sysmon)
Available 19.12.2020 00:00:00 Medium
High Number of Urgent Vulnerabilities Detected
Available 27.08.2019 00:00:00 Medium
Available 27.08.2019 00:00:00 Medium
Available 27.08.2019 00:00:00 Medium
Available 20.06.2020 00:00:00 Medium
Available 20.06.2020 00:00:00 Medium
Available 02.04.2019 00:00:00 Medium
Available 02.04.2019 00:00:00 Medium
Malware Link Clicked
```

List all Analytics rules and group by Severity

Summary

This code example counts different rule types based on the Severity property. Interestingly, we have 15 rules without any **Severity**.

Code Example

```
$AzureSentinelWorkSpaceInfo = @{
   ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
   WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}

Get-AzSentinelAlertRuleTemplate @AzureSentinelWorkSpaceInfo |
   Group-Object -Property Severity
```

```
Count Name
----- 107 Medium
17 High
49 Low
15
```

List all Analytics rules where Data Sources contains "SecurityEvents"

Summary

The following code example lists all the Analytics rules, where **the Data Source** contains "SecurityEvents". This example may be really handy when we are going to combine it with **Update-AzSentinelAlertRule** or **Update-AzSentinelAlertRuleAction** cmdlet. It allows us to filter out specific Analytics rules, and then we can enable all of them at once.

Code Example

```
$AzureSentinelWorkSpaceInfo = @{
   ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
   WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}

Get-AzSentinelAlertRuleTemplate @AzureSentinelWorkSpaceInfo |
   Where-Object {$PSItem.RequiredDataConnectors.ConnectorId -contains
"SecurityEvents"} |
   Select-Object -Property DisplayName,Status,CreatedDateUtc,Severity,Name
,RequiredDataConnectors |
   Sort-Object -Property Severity
```

Output

DisplayName : ADFS Key Export (Sysmon)
Status : Available
CreatedDateUtc : 19.12.2020 00:00:00
Severity : Medium
Name : dcdf9bfc-c239-4764-a9f9-3612e6dff49c

RequiredDataConnectors : {SecurityEvents}

DisplayName : User_account created and deleted within 10 mins

Status : Available

CreatedDateUtc : 14.02.2019 00:00:00

Severity : Medium

Name : 4b93c5af-d20b-4236-b696-a28b8c51407f

RequiredDataConnectors : {SecurityEvents}

Filter Analytics rules based on the CreatedDateUtc property

Summary

The good thing about Azure Sentinel is that Microsoft keeps adding new Analytics rules. This query prints out all the rules that have been added in the last 60 days.

Code Example

```
$AzureSentinelworkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    workspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$TimeRange = (Get-Date).AddDays(-60)
$TimeRange = (Get-Date).AddDays(-60)
Get-AzSentinelAlertRuleTemplate @AzureSentinelWorkSpaceInfo |
    where-Object {$PSItem.CreatedDateUtc -ge $TimeRange} |
        Select-Object -Property DisplayName,CreatedDateUtc,Severity |
        Sort-Object -Property CreatedDateUtc
```

```
DisplayName CreatedDateUtc Severity CreatedDateUtc CreatedDateCreatedDateCreatedDateCreatedDateCreatedDateCreat
```

List all Low Severity based Analytics rules

Summary

Code Example

```
$AzureSentinelworkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    workspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}

Get-AzSentinelAlertRuleTemplate @AzureSentinelWorkSpaceInfo |
    where-Object {$PSItem.Severity -eq "Low"} |
        select-Object -Property DisplayName,Severity
```

```
DisplayName

------

New user created and added to the built-in administrators group

Azure Key Vault access TimeSeries anomaly

Squid proxy events for ToR proxies

Azure Active Directory PowerShell accessing non-AAD resources

SecurityEvent - Multiple authentication failures followed by a success

Monitor AWS Credential abuse or hijacking

PulseConnectSecure - Potential Brute Force Attempts

Severity

Low

Low

Low

Low

Low

Low
```

Count Analytics rule template types

Summary

Code Example

```
$AzureSentinelWorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}

Get-AzSentinelAlertRuleTemplate @AzureSentinelWorkSpaceInfo |
    Group-Object -Property Kind |
    Select-Object -Property Count, Name
```

```
Count Name
-----
172 Scheduled
8 Error
7 MicrosoftSecurityIncidentCreation
1 Fusion
```

Create a new custom Analytics rule

Summary

The **New-AzSentinelAlertRule** cmdlet creates a new Analytics rule. This example creates a new "**Scheduled**" based Analytics rule. If you have your own custom rules, then it would be much easier for you to import new rules.

Please remember that this is just a sample Analytics rule, and do not use it in production!

Code Example

Add a new automated response for the Analytics rule

Summary

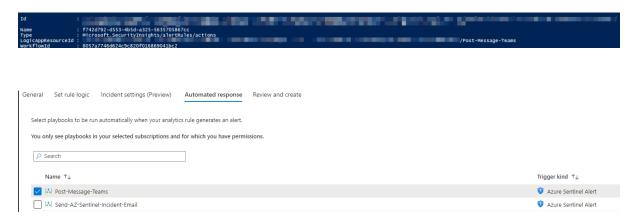
The New-AzSentinelAlertRule cmdlet does not allow us to add an automated response immediately, but we can use the New-AzSentinelAlertRuleAction cmdlet for that activity. Before that, we need to query our playbook information using the Get-AzLogicApp and Get-AzLogicAppTriggerCallbackUrl cmdlets. We can then pass that information to the New-AzSentinelAlertRuleAction cmdlet. Then, we should see the attached playbook under our Analytics rule.

In my case, all my Logic Apps are under one single resource group.

Code Example

```
$AzureSentine|WorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$LogicAppsInfo = @{
    ResourceGroupName = "RG-PROD-IT-LOGIC-APPS-WE"
    Name = "Post-Message-Teams"
}
$LogicAppResourceID = Get-AzLogicApp @LogicAppsInfo
$LogicAppTriggerURI = Get-AzLogicAppTriggerCallbackUrl @LogicAppsInfo -
TriggerName "When_a_response_to_an_Azure_Sentinel_alert_is_triggered"
$AnalyticsRule = Get-AzSentinelAlertRule @AzureSentinelWorkSpaceInfo |
    Where-Object {$PSItem.DisplayName -eq "Log Analytics Agent Health"}

New-AzSentinelAlertRuleAction @AzureSentinelWorkSpaceInfo -AlertRuleId
$AnalyticsRule.Name -LogicAppResourceId ($LogicAppResourceID.Id) -TriggerUri
($LogicAppTriggerURI.Value)
```



Configured playbook under the Analytics rule

Disable enabled Analytics rule

Summary

Code Example

```
$AzureSentinelWorkSpaceInfo = @{
    ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
    WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$AnalyticsRule = Get-AzSentinelAlertRule @AzureSentinelWorkSpaceInfo |
    where-Object {$PSItem.DisplayName -eq "Log Analytics Agent Health"}
Update-AzSentinelAlertRule @AzureSentinelWorkSpaceInfo -AlertRuleId
$AnalyticsRule.Name -Disabled
```

Remove automated response from the Analytics rule

Summary

Code Example

```
$AzureSentinelWorkSpaceInfo = @{
   ResourceGroupName = "RG-PROD-IT-AZ-MANAGEMENT-TIER-0-WE"
   WorkspaceName = "LF-TIER-0-LOG-ANALYTICS-WE"
}
$AnalyticsRule = Get-AzSentinelAlertRule @AzureSentinelWorkSpaceInfo |
   Where-Object {$PSItem.DisplayName -eq "Log Analytics Agent Health"}
$AlertRuleAction = Get-AzSentinelAlertRuleAction @AzureSentinelWorkSpaceInfo -
AlertRuleId $AnalyticsRule.Name

Remove-AzSentinelAlertRuleAction @AzureSentinelWorkSpaceInfo -AlertRuleId
$AnalyticsRule.Name -ActionId $AlertRuleAction.Name
```

Output

The **Remove-AzSentinelAlertRuleAction** cmdlet should return "**success**" if the removal was successful.