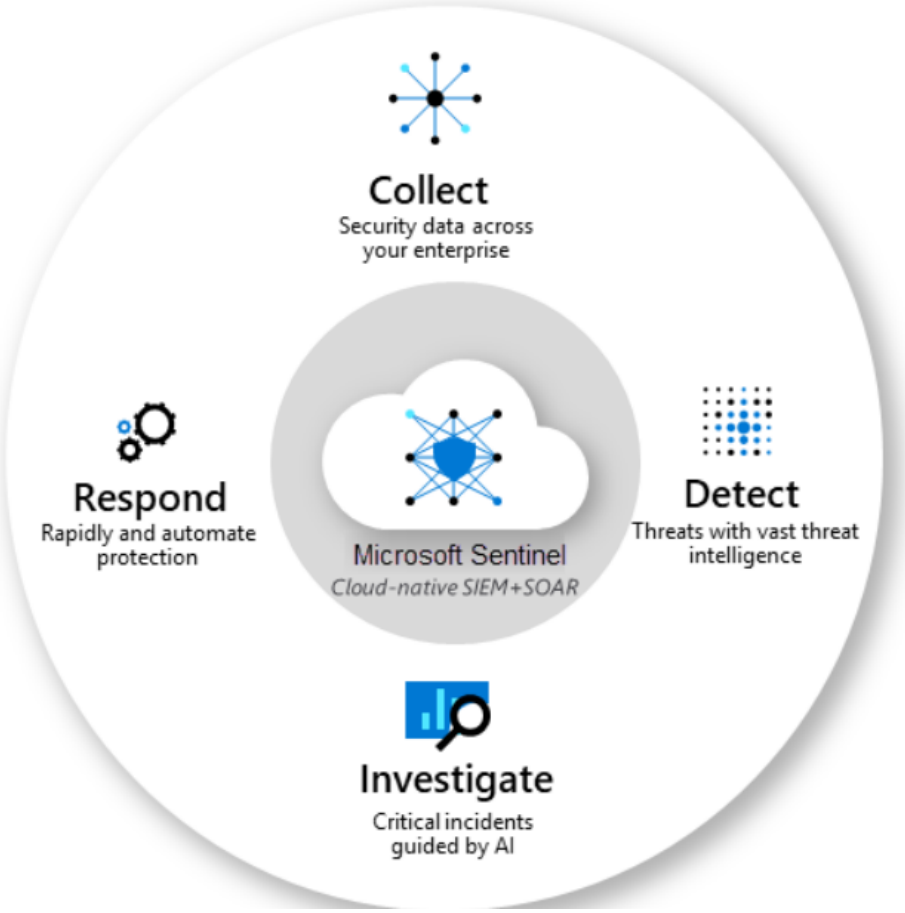
Log Analytical workspace and Microsoft sentinel

Microsoft sentinel

Sentinel will collect the logs along with that it will delivers intelligent security analytics and threat intelligence across the enterprise. it will keep eye on attacj detection, threat visibility, proactive hunting and threat response.

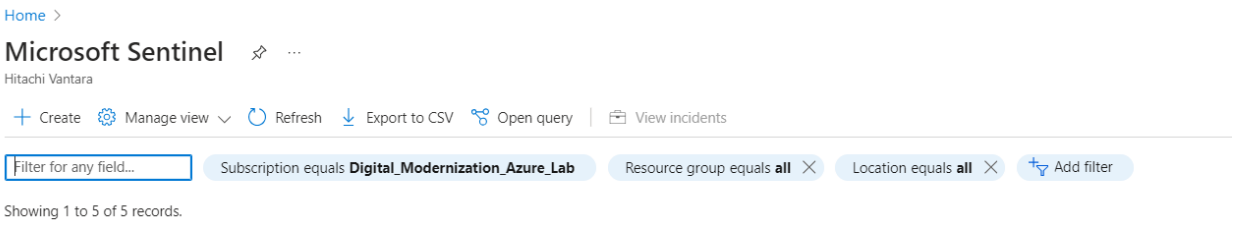
Microsoft Sentinel is a scalable, cloud-native solution that provides:

- Security information and event management (SIEM)
- Security orchestration, automation, and response (SOAR)

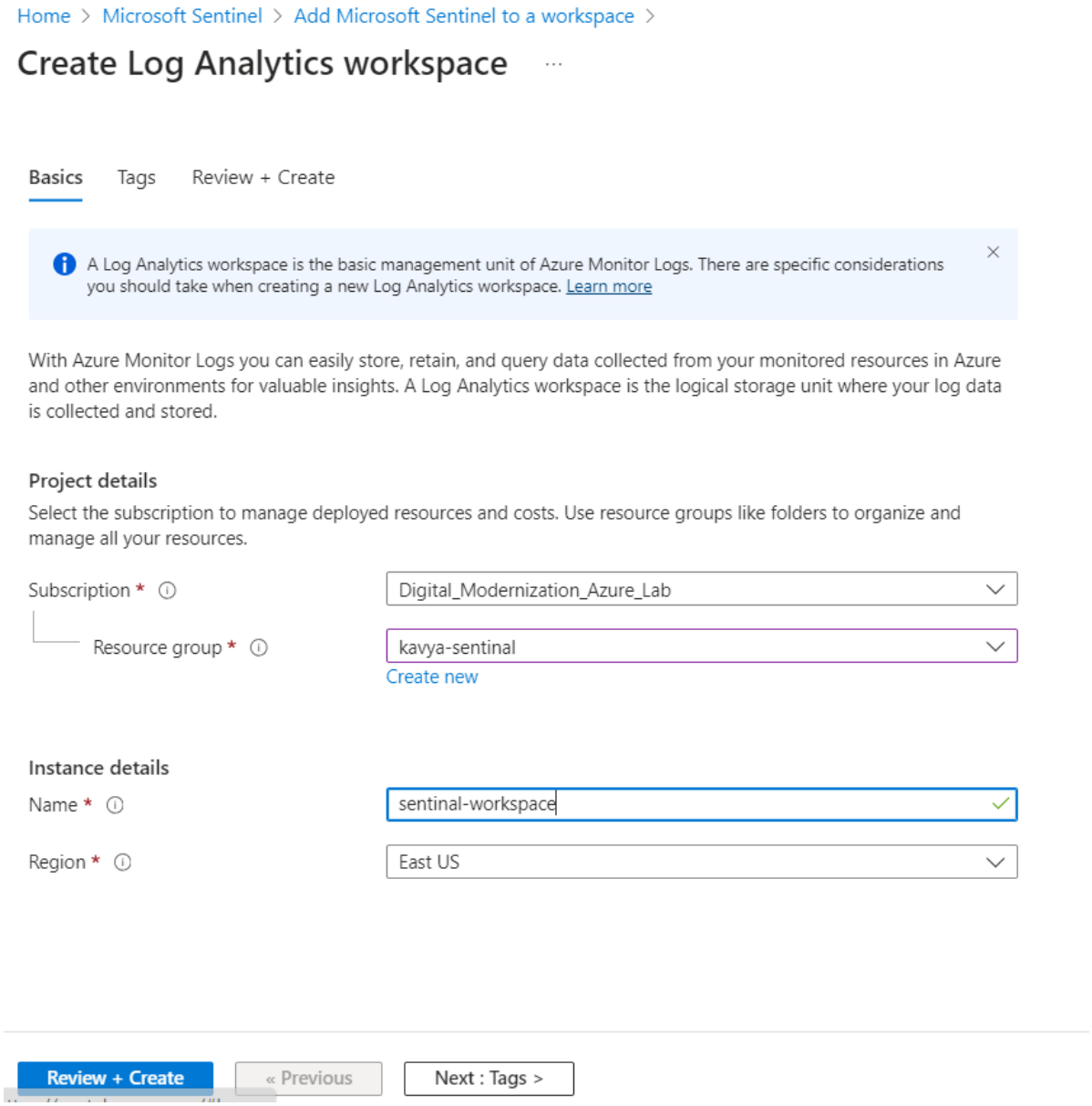


How to enable sentinel in Azure.

1. Search for Microsoft sentinel in console click on create



2. + create a new workspace



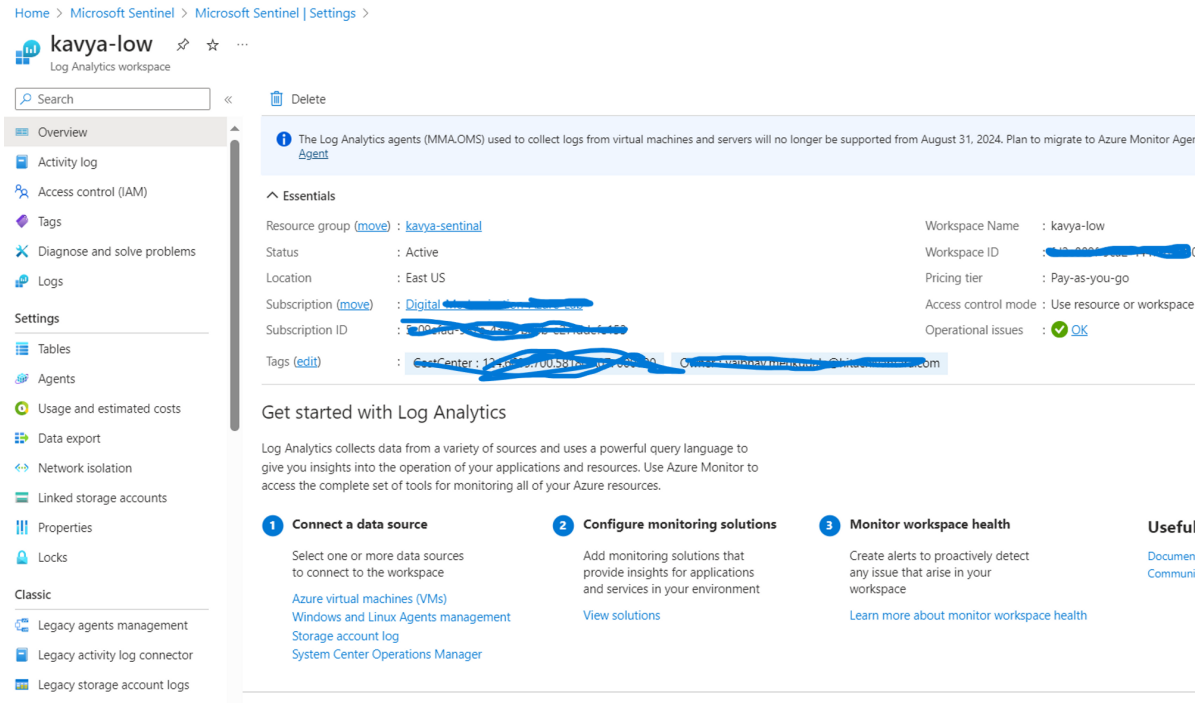
Click on Create

Data Retention

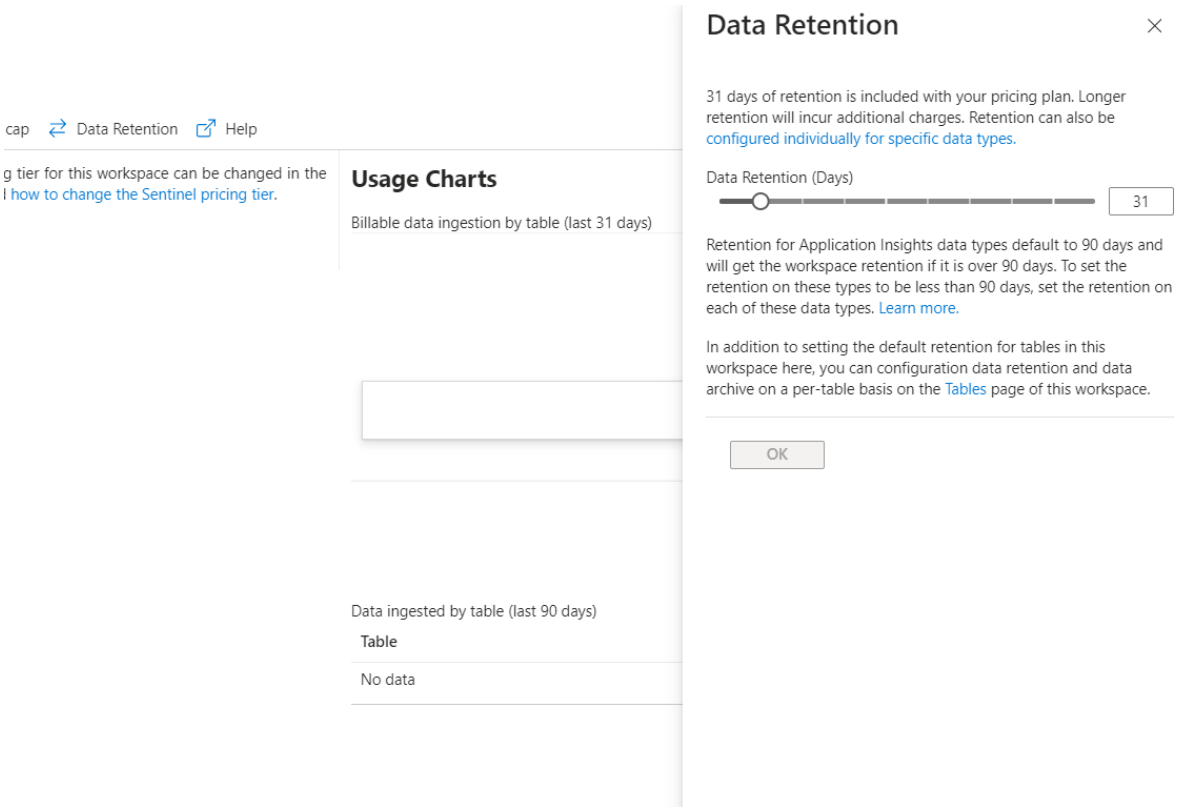
Once the sentinel is created decide how long data needs to be in sync. remember more data retention will leads to more cost. for better price you can choose the commitment tier as per your need.

Note: for this article, im choosing pay as you go tier

Go to Sentinel → <your sentinel> → Settings —> Workspace settings (this will open log analytics workspace)



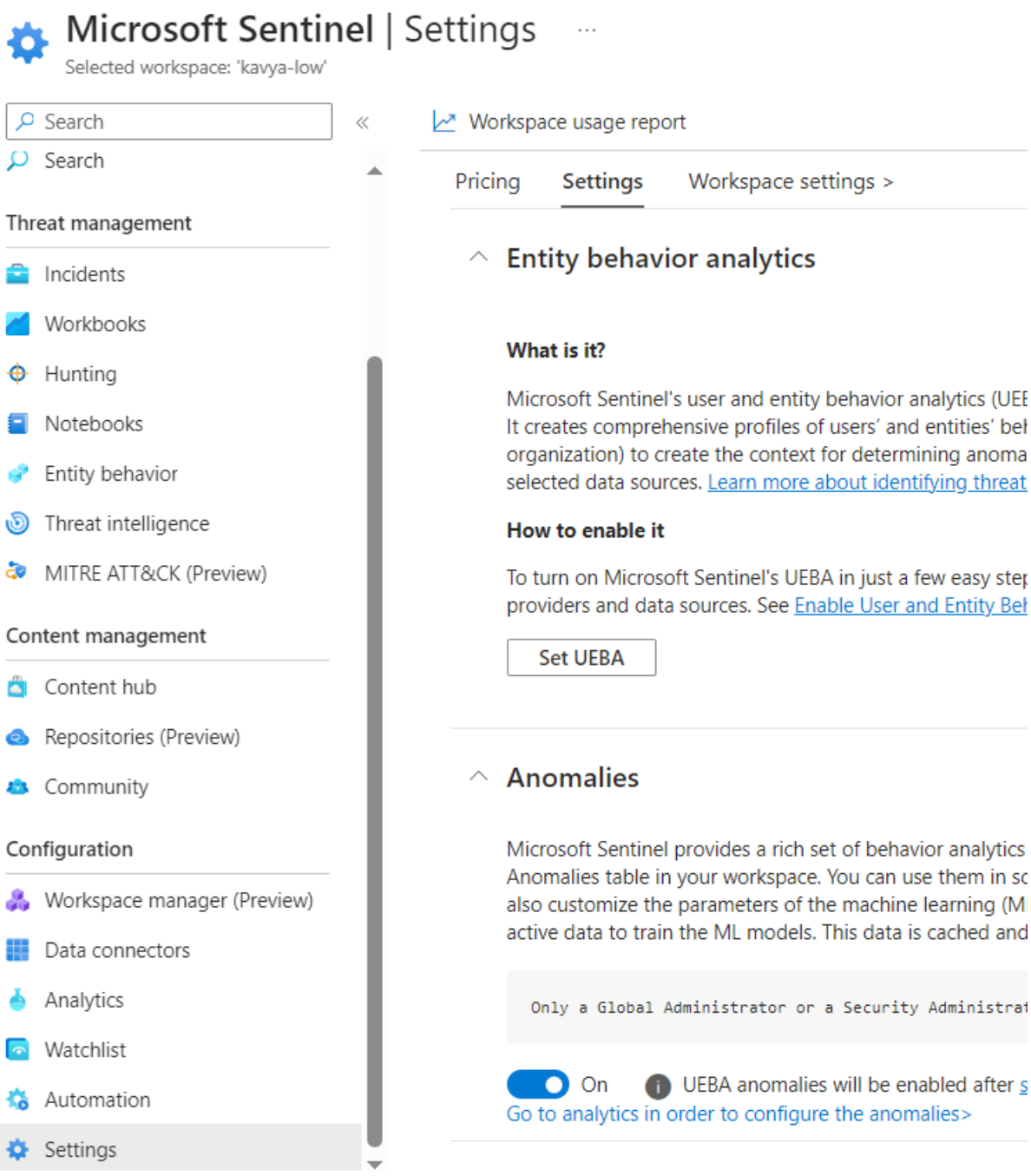
Go to →Usage and estimated cost —> Data retention —> select the number of days → click on ok

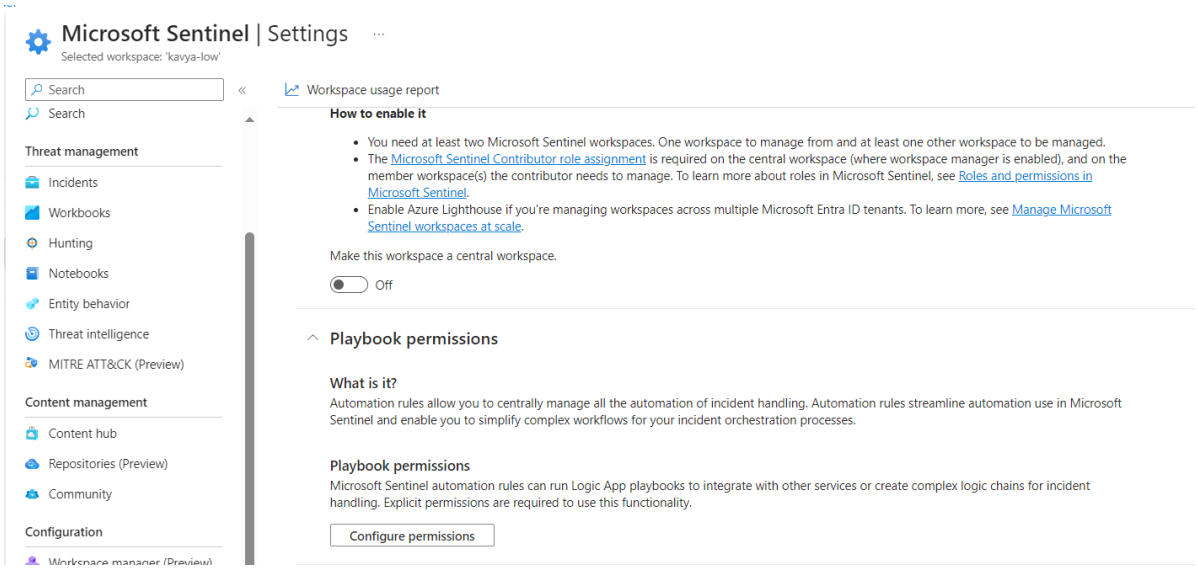


Provide Permission to Resource group

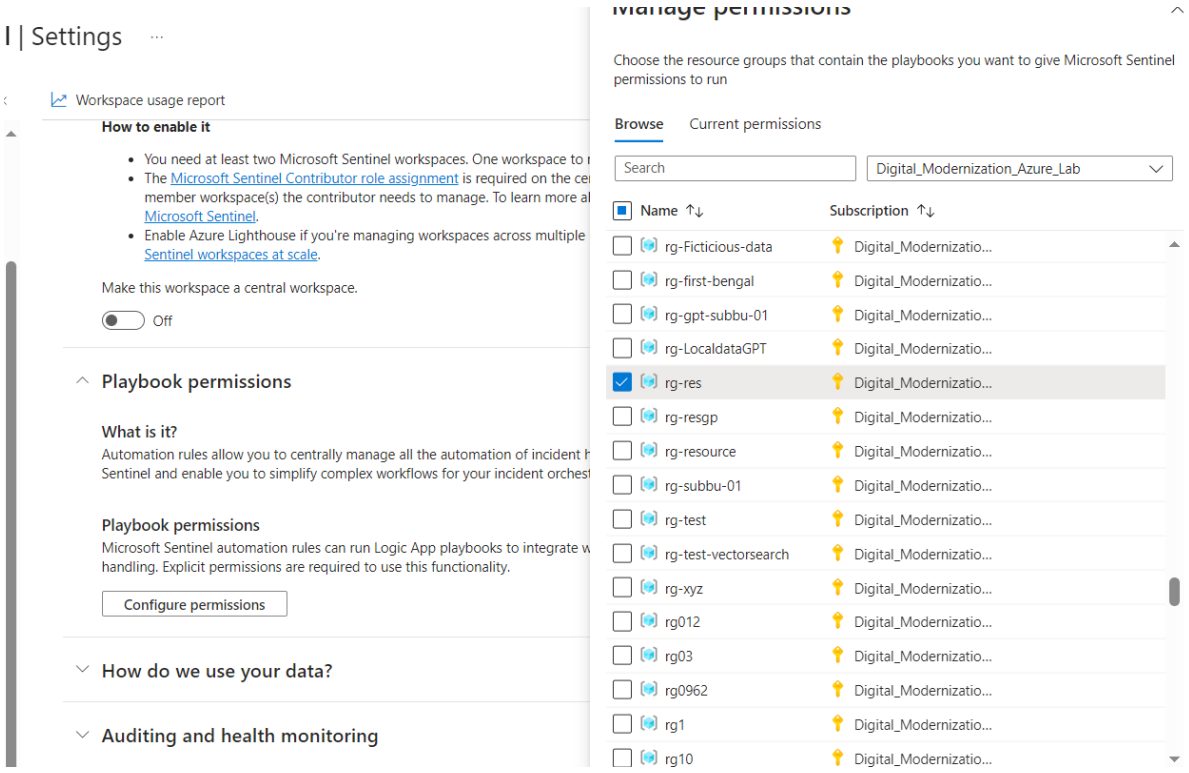
Giving permission to a resource group will help to manage automation and analytics rules in a resource group.

Go to Settings in sentinal → settings → Playbook permission —> configure permission


Microsoft Sentinel | Settings
Selected workspace: 'kavya-low'
Search
Search
Threat management
Incidents
Workbooks
Hunting
Notebooks
Entity behavior
Threat intelligence
MITRE ATT&CK (Preview)
Content management
Content hub
Repositories (Preview)
Community
Configuration
Workspace manager (Preview)
Data connectors
Analytics
Watchlist
Automation
Settings
Workspace usage report
Pricing
Settings
Workspace settings >
Entity behavior analytics
What is it?
Microsoft Sentinel's user and entity behavior analytics (UEB
It creates comprehensive profiles of users' and entities' beh
organization) to create the context for determining anoma
selected data sources. Learn more about identifying threat
How to enable it
To turn on Microsoft Sentinel's UEBA in just a few easy step
providers and data sources. See Enable User and Entity Beh
Set UEBA
Anomalies
Microsoft Sentinel provides a rich set of behavior analytics
Anomalies table in your workspace. You can use them in sc
also customize the parameters of the machine learning (M
active data to train the ML models. This data is cached and
Only a Global Administrator or a Security Administrat
On
UEBA anomalies will be enabled after s
Go to analytics in order to configure the anomalies>



Select the Resource group from the required subscription and apply.



To make sentinel to Inject the data, we need to complete blolow 3 configuration changes.

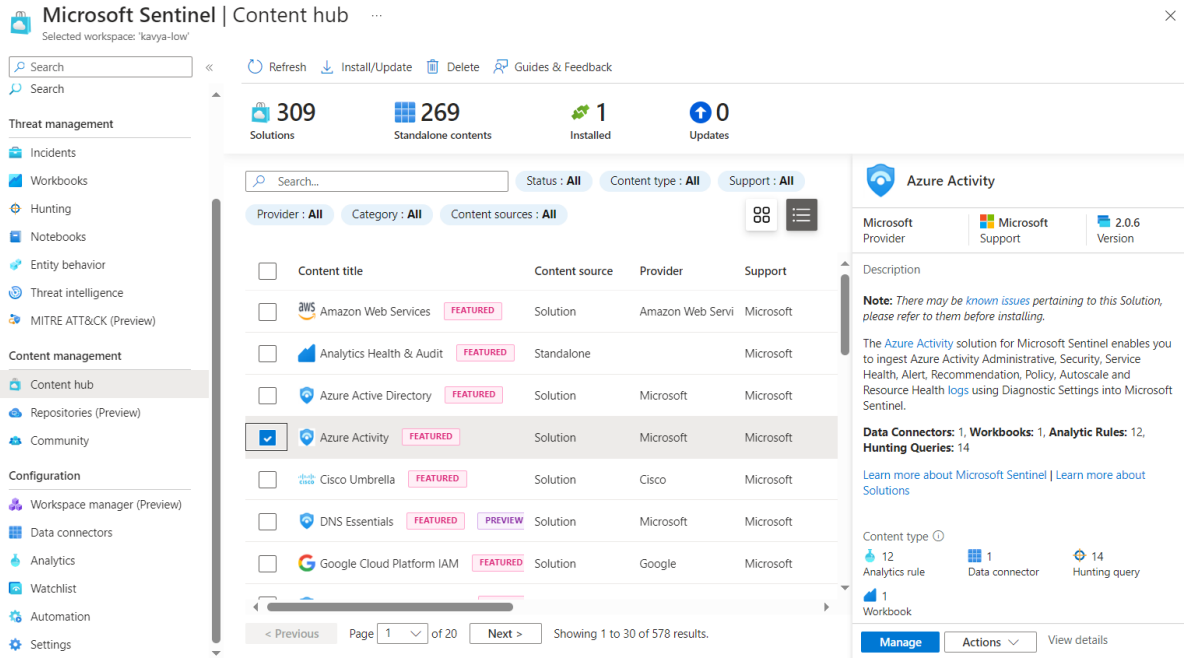
1. connect to data sources via content hub
2. Deploy analytic rules
3. Configure Hunting rule with workbooks.

Inject data into the workspace.

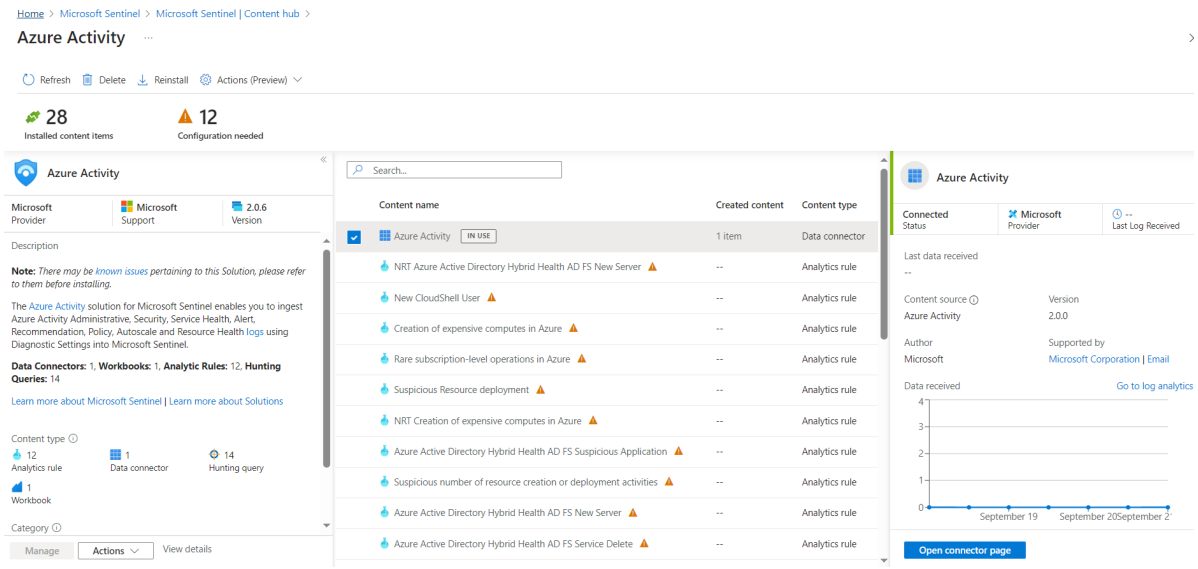
To onboard the sentinel, first you need to connect to your data sources via content hub with below steps

Go to content hub → search for Azure activity → install

Once installed click on manage.

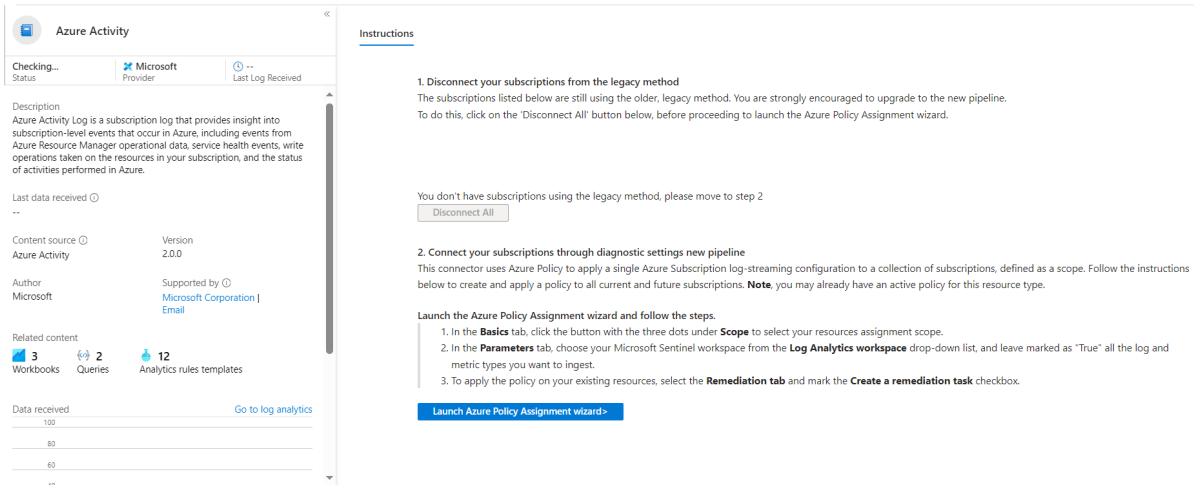


Manage will open new page —> select the content type as data connector —> open connector page



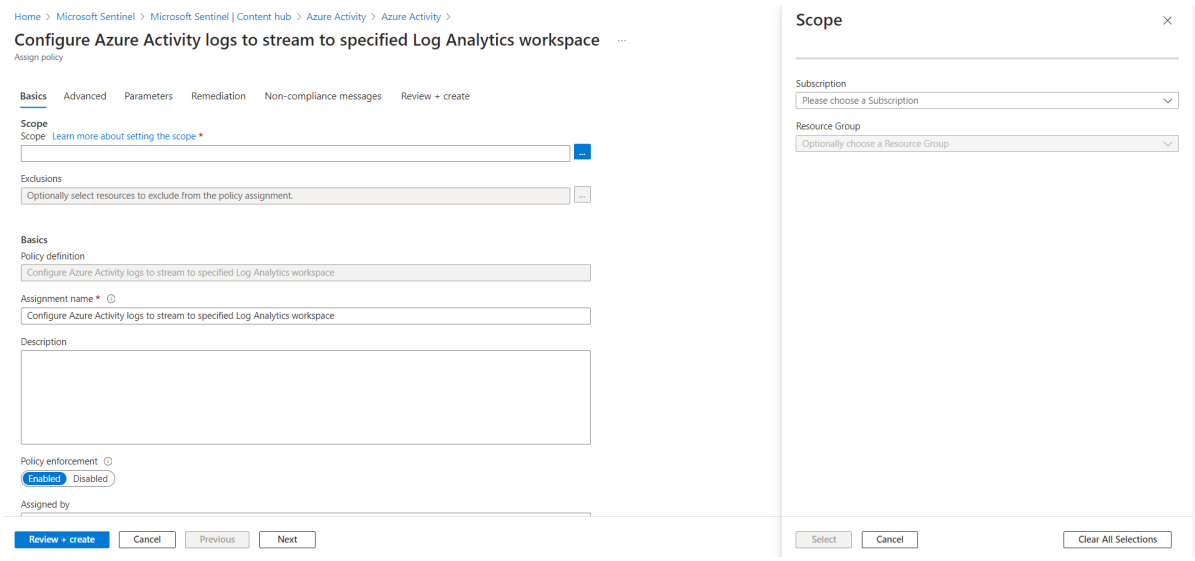
in order to connect with the data connector, you need to assign azure policy with owner role assigned to azure activity.

scroll to Launch Azure Policy Assignment wizard>

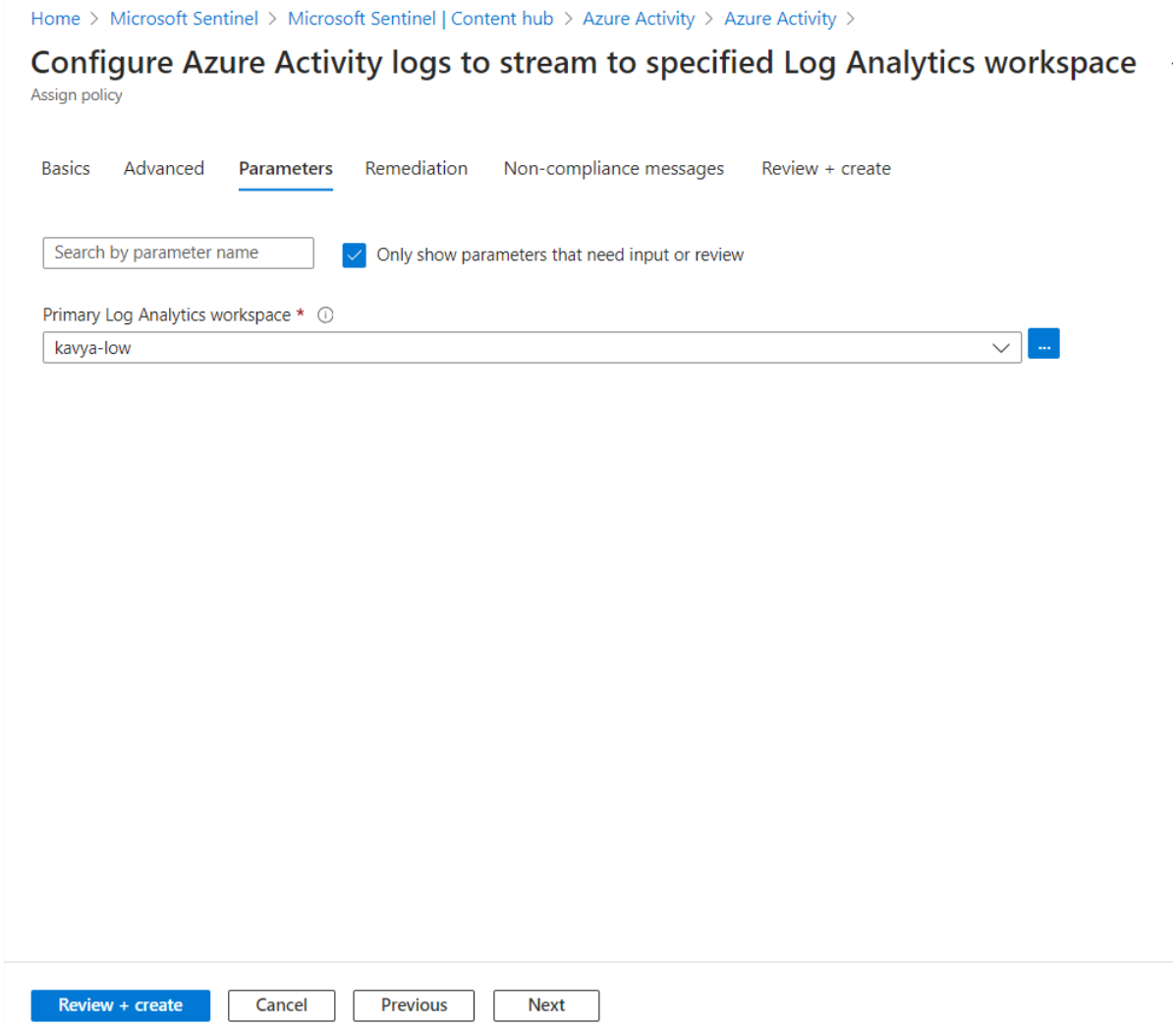


This will open assign policy wizard →

in the basic section select Scope → to you subscription.



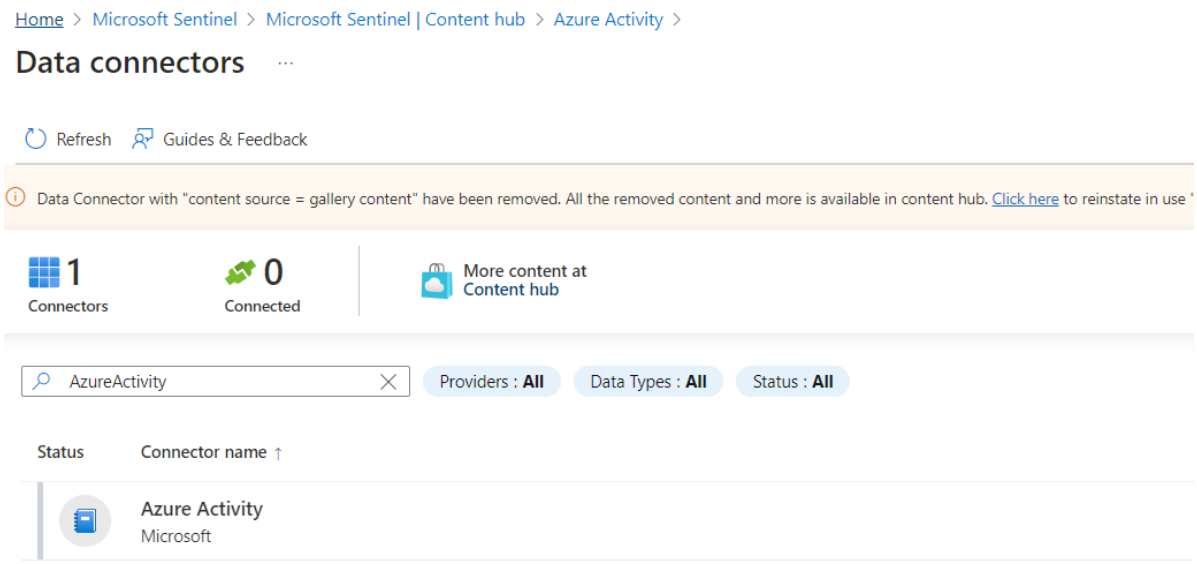
In Parameter section select primary log analytics worspace



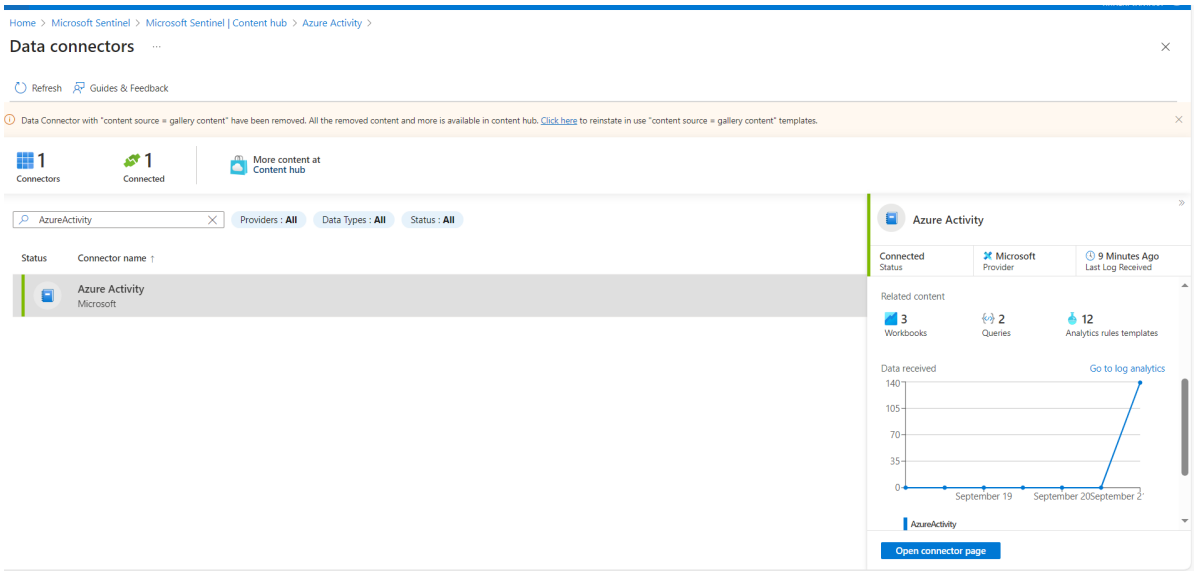
leave rest as it is, click on Review and create

Once the policy is assigned, it will take couple of hours to reflect.

To check whether data connector os connected go to sentinel → contect hub→ installed → azure activity → mange→ in content type select data connector → open.



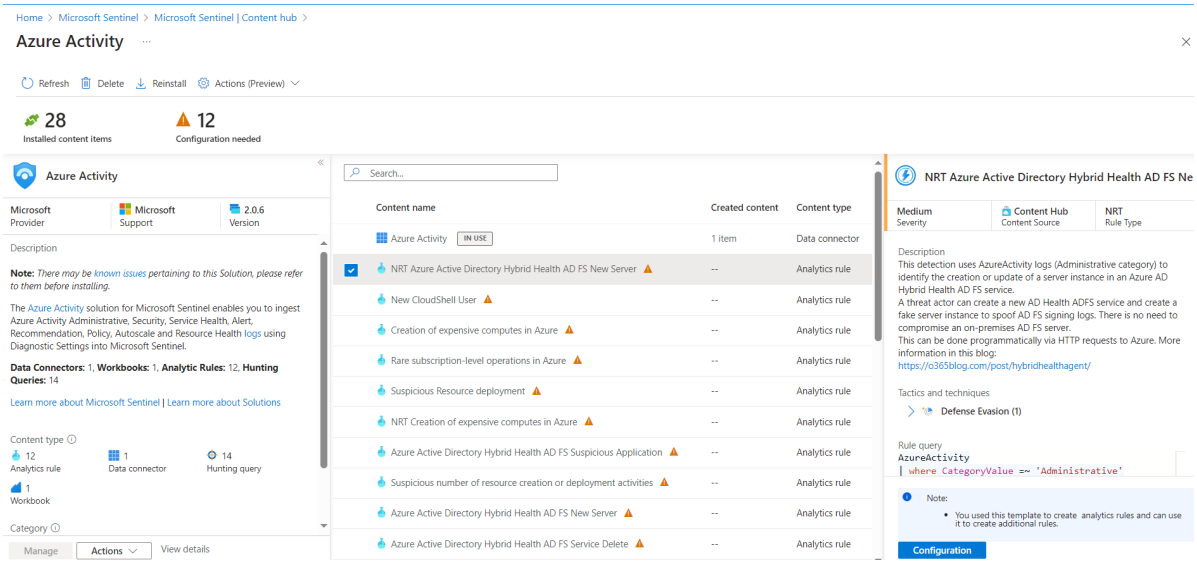
if it is connected you will see green line below status.



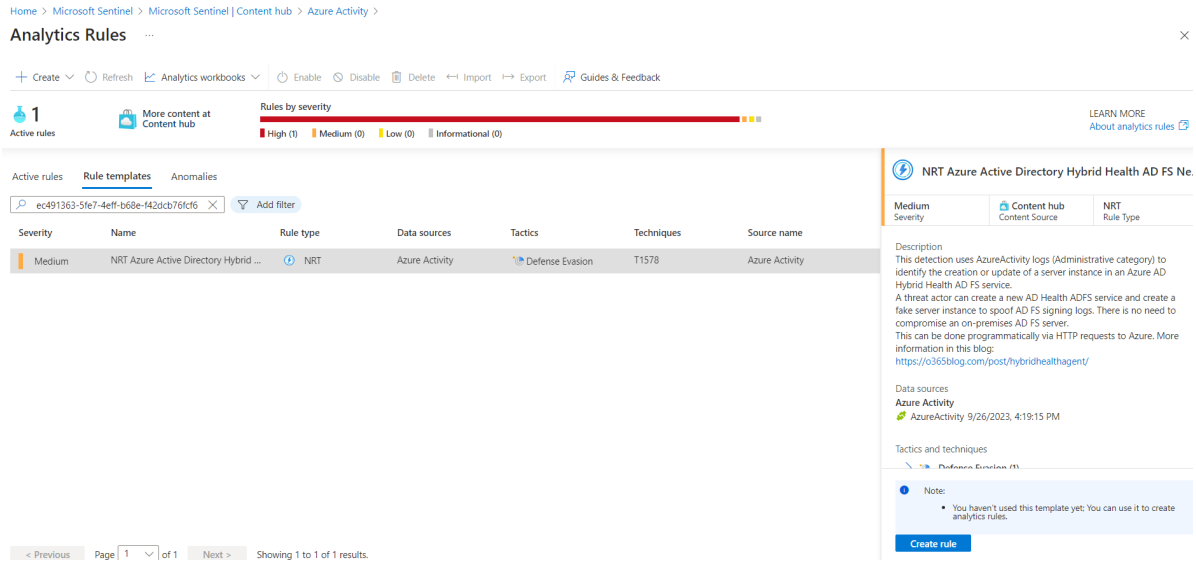
Deploy Analytic rules

Analytic rule is a detection that will allow you to detect the suspicious activity. To configure any rule follow the below steps.

Go to sentinal → content-hub —> search for “azure activity” —> manage —> select any analytic rule of your choice —> configuration.

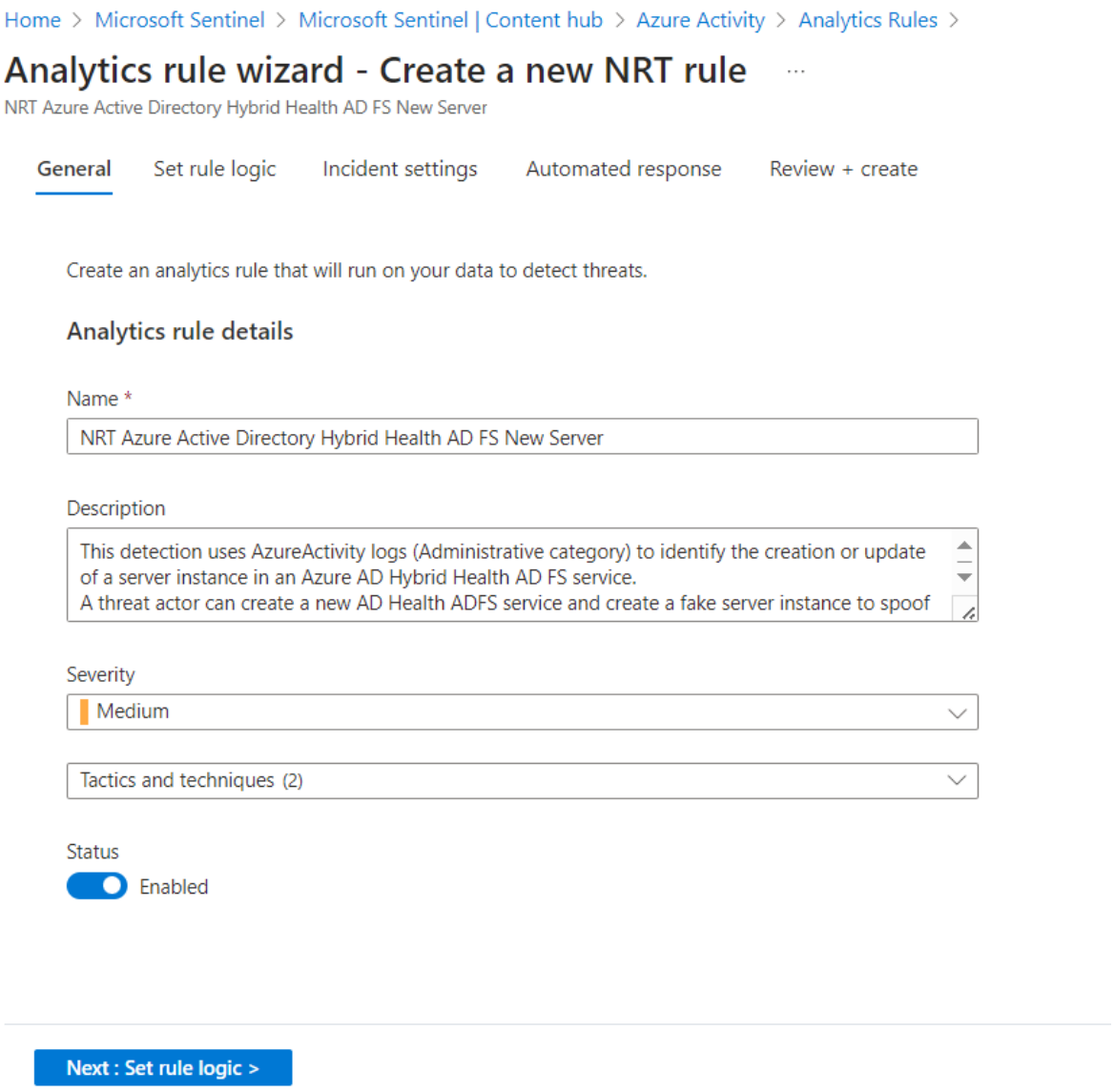


Select the rule template → create rule



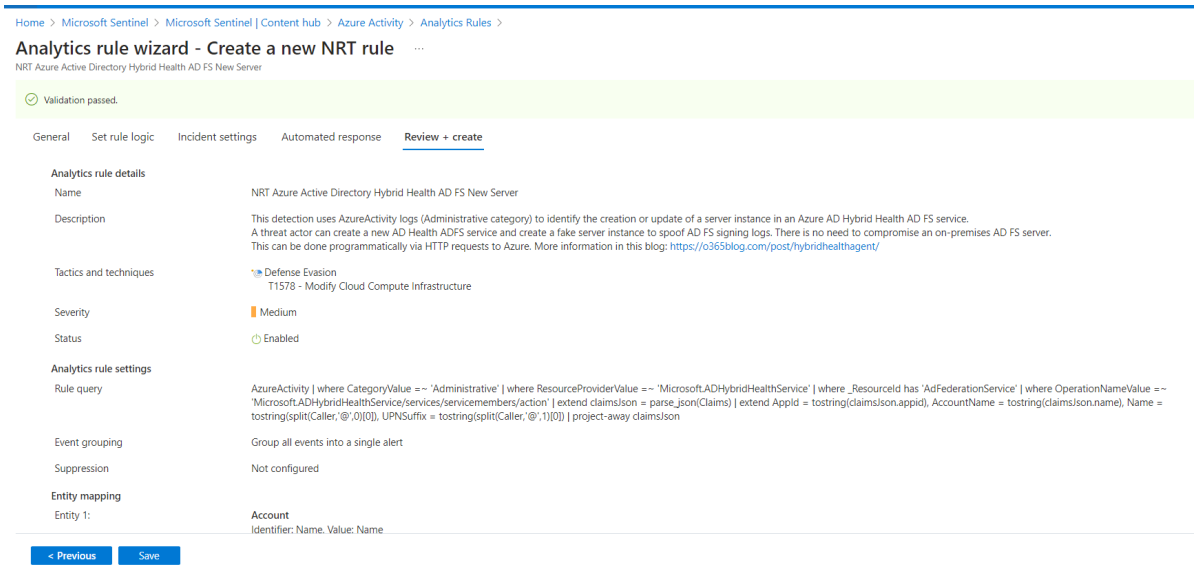
this will open new wizard.

go to Basic —> status → enabled → next: set rule logic



You can define the logic as per the need. For now i'm leaving to by default.

Review and create. —> save



We need to modfy the alert query to get more accurate result.

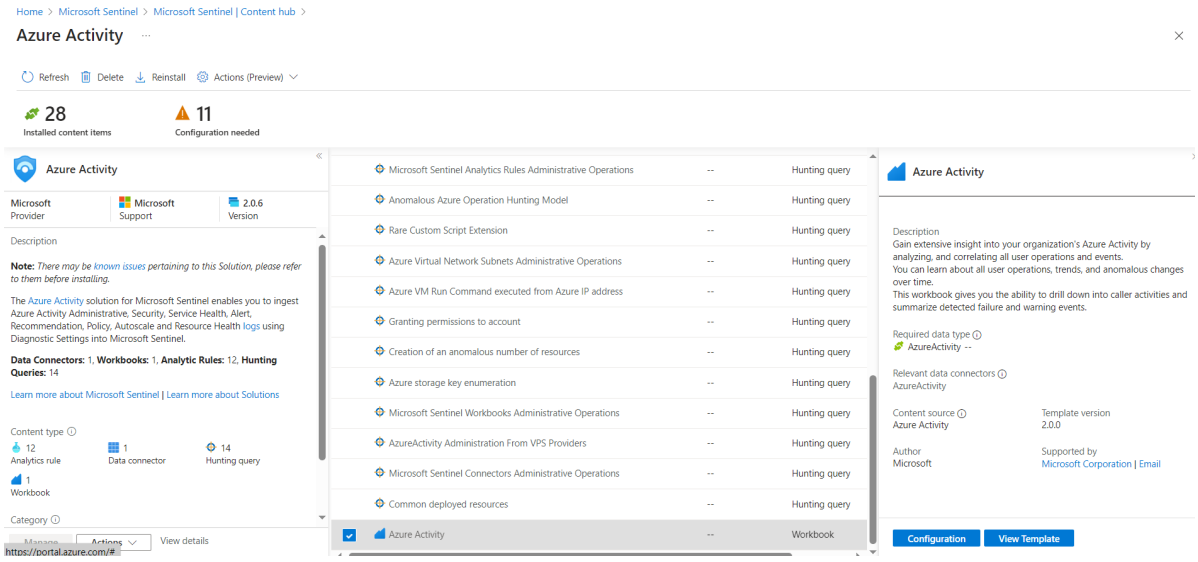
Create hunting rule.

hunting rule will proactivelu look for any anamolies in the workspace. We can configure the hunting rule by using workbooks as well as logic app flows

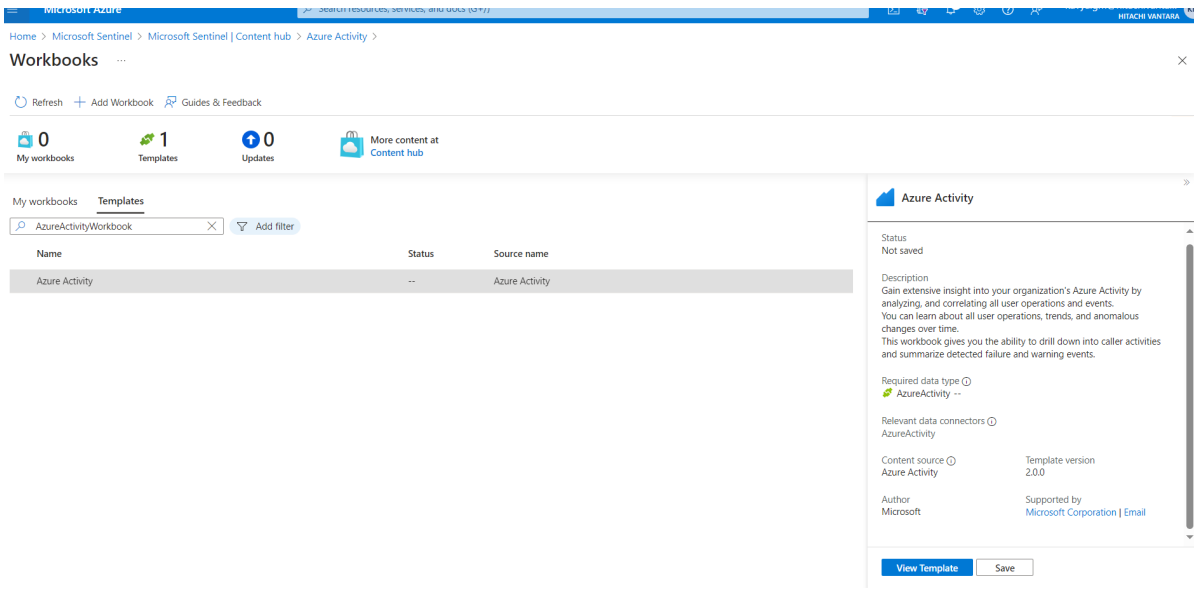
in this article we will be configuring hunting rule using workbooks.

in order to configure go to → sentnel → content hub —> search for “azure activity” → manage —> in content name —> scroll down to end → you will find workbook called “Azure Activity”

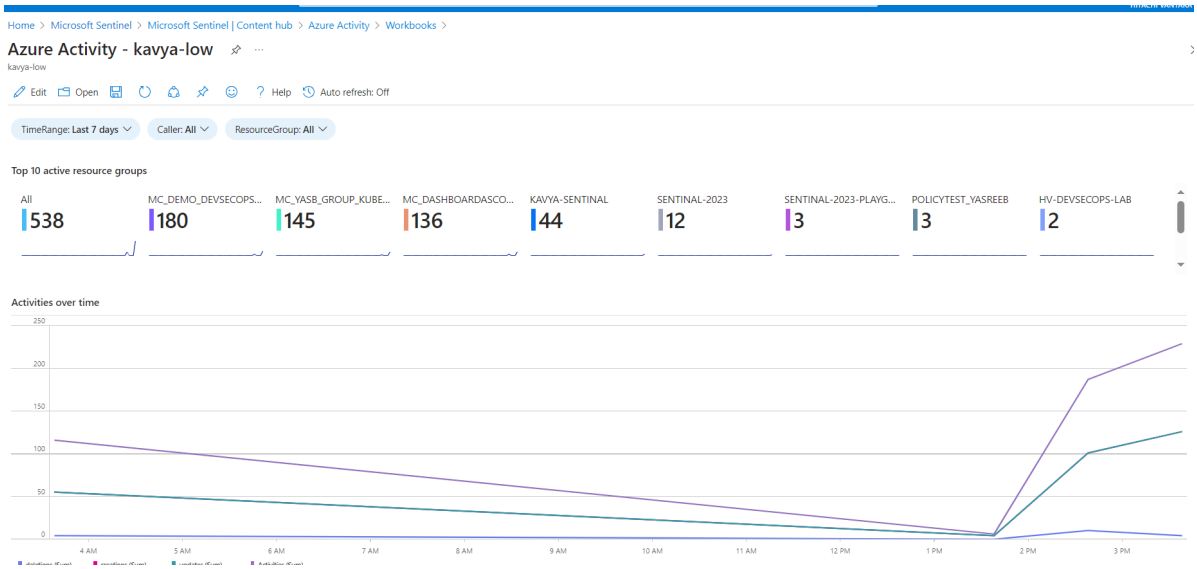
Select the workbook —→ configuration



this will open new wizard select on save → region → yes



It will take couple of minutes to reflect the data in workbook.


Home > Microsoft Sentinel > Microsoft Sentinel | Content hub > Azure Activity > Workbooks >
Azure Activity - kavya-low
kavya-low
Edit
Open
Help
Auto refresh: Off
TimeRange: Last 7 days
Caller: All
ResourceGroup: All
Top 10 active resource groups
All
538
MC_DEMO_DEVSECOPS...
180
MC_YASB_GROUP_KUBE...
145
MC_DASHBOARDASCO...
136
KAVYA-SENTINAL
44
SENTINAL-2023
12
SENTINAL-2023-PLAYG...
3
POLICYTEST_YASREEB
3
HV-DEVSECOPS-LAB
2
Activities over time
250
200
150
100
50
0
4 AM
5 AM
6 AM
7 AM
8 AM
9 AM
10 AM
11 AM
12 PM
1 PM
2 PM
3 PM