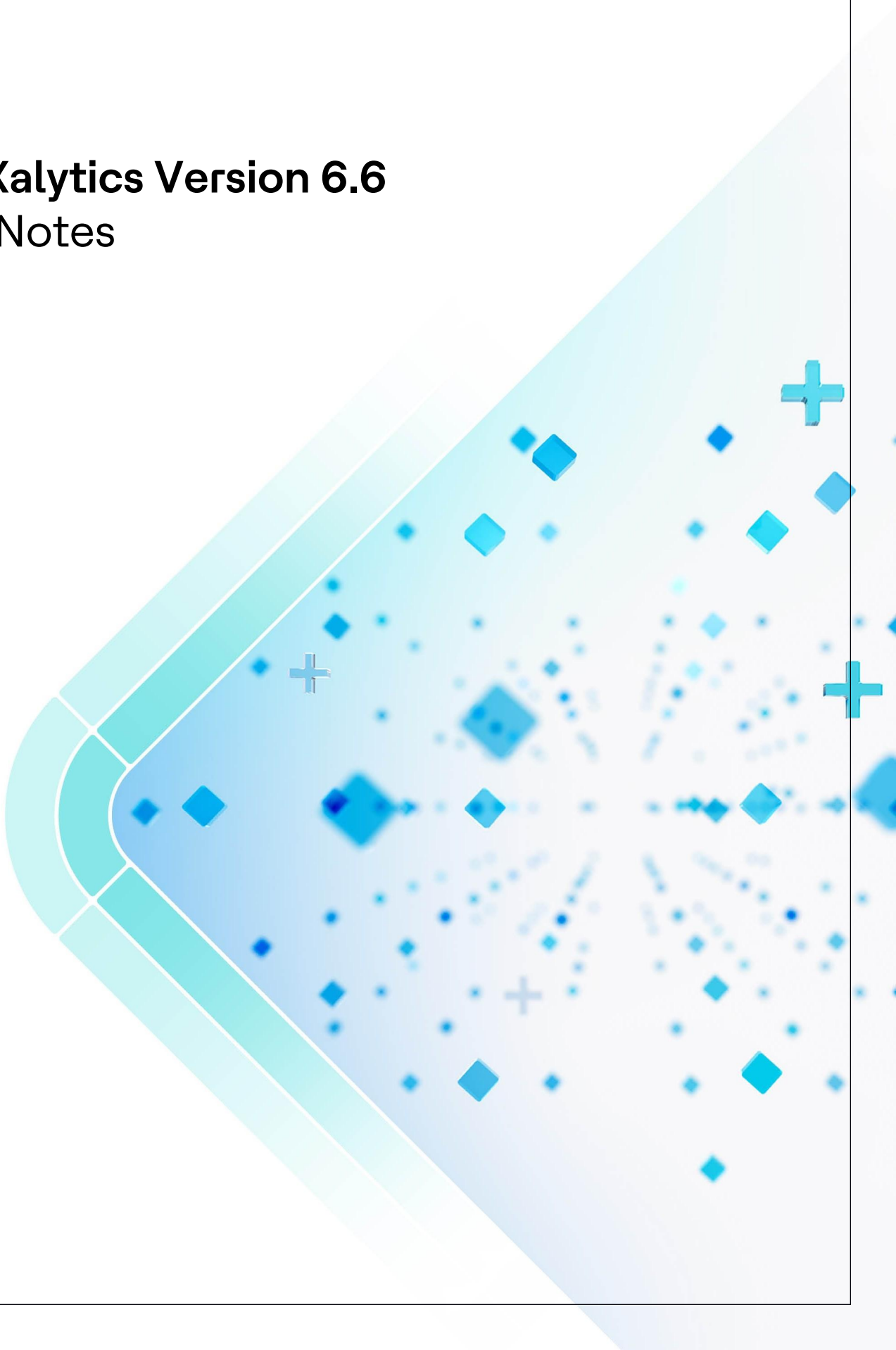
HCLSoftware

HCL MyXalytics Version 6.6
Release Notes



Release Details

Product/Service Name	HCL MyXalytics
Version Number	6.6
Release Month	April 2025

Overview

MyXalytics is a Unified Reporting & Dash boarding solution which helps organizations by providing an unparalleled visibility into performance of IT systems and processes. It helps to provide people and organizations with the clarity they need to drive continuous operational improvements.

HCL MyXalytics offers intuitive visualizations of data from multiple sources on a unified & role based/custom dashboard. Its capabilities include robust reporting of ITSM metrics, governance and control, root cause analysis for all incidents, automated risk management approval workflow and real-time tracking of risks and remediation plans, infused AI-driven predictive analytics to proactively flag potential breaches and crisis automated business reporting, zero-touch automation, reduced SLA violations & improved IT environment predictability.

This document contains the new features and enhancements in release 6.6

New Features and Enhancements

1. New Features

- **Auto onboard the user if the user does not exist then the same user can be onboarded by default**

  a. As a user, Auto onboard the user if the user does not exist then the same user can be onboarded by default.
  b. As user hit on URL it will ask for SSO Login credentials.
  c. SSO login should be configured.
  d. Users should have valid SSO login credentials.
  e. Auto Onboard will be only for Dedicated customer.
  f. As user logged in with SSO credentials then it will redirect to Home page.
  g. Logged in usertype as “user” and its profile is “Default Profile”.

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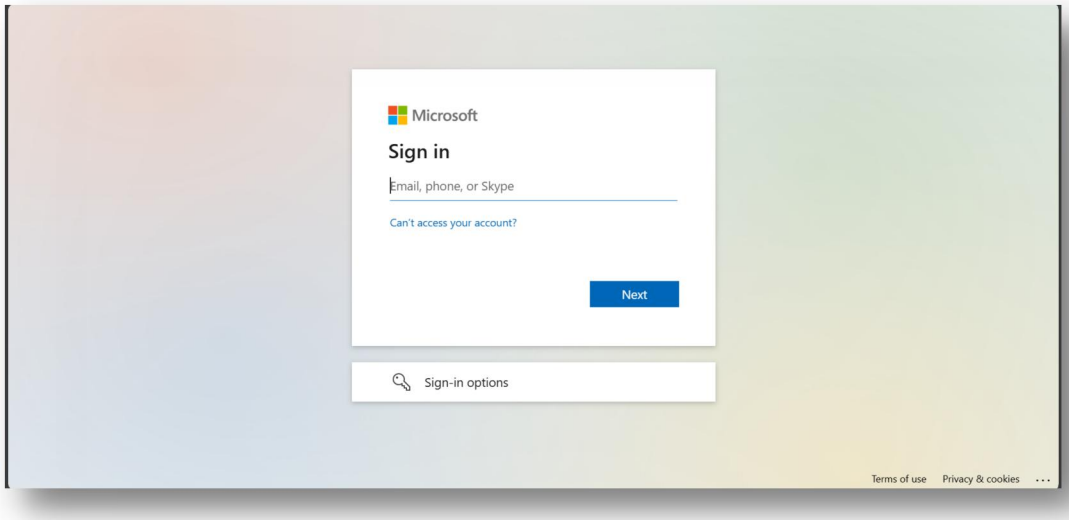

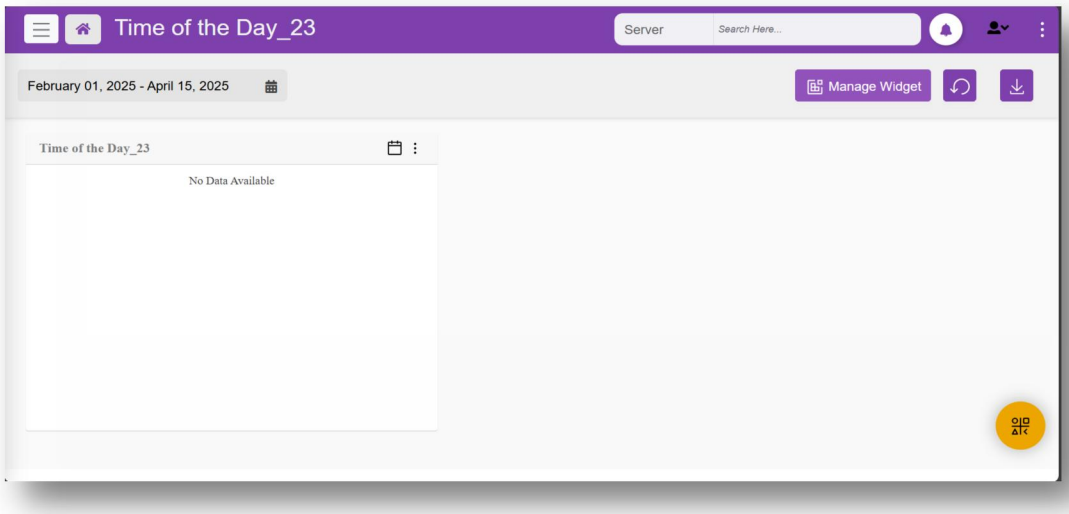

- **Trend Report using Pie chart – 2 Dimensions**

Overview

The Pie template now supports handling two dimensions of data. Previously, the Pie template could only handle a single dimension. With the introduction of this feature, users can select two distinct dimensions. The template will automatically generate pies based on the unique data from the **first dimension**. The **second dimension** will be used to create slices within each pie.

Two Dimensions Support

- **Dimension 1:** Represents the first set of data. This dimension determines how many pies will be displayed in the chart.
- **Dimension 2:** The second data dimension is used to provide detailed insight within each individual pie by creating slices within the pie.

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New Properties

Aggregation Options

A new property section called Aggregation Options has been added when selecting two dimensions.

- **Aggregation Label:**
  - In the center of each pie, an aggregation label will display the **calculated average** or **sum** for the selected data of that pie.
  - The user can select which type of aggregation (average or sum) they want to apply.
- **Aggregation Line:**
  - A line will appear above all pies, showing the **average** or **sum** for the selected aggregation type across all pies.

PIE OPTIONS

- **Data Label:**
  - Under **PIE OPTIONS**, users can customize the label of the **1st Dimension** to control how the data is displayed.
- **No of Pies:**
  - Under **PIE OPTIONS**, users can restrict or limit the number of pies displayed on the screen. By default, **two pies** are displayed, but this can be adjusted based on the number of unique entries in **Dimension 1**.

Important Notes:

- When selecting Trend Type as the first dimension, it is mandatory to select a second dimension.
- All other existing functionalities of the Pie template remain the same and continue to work as before.

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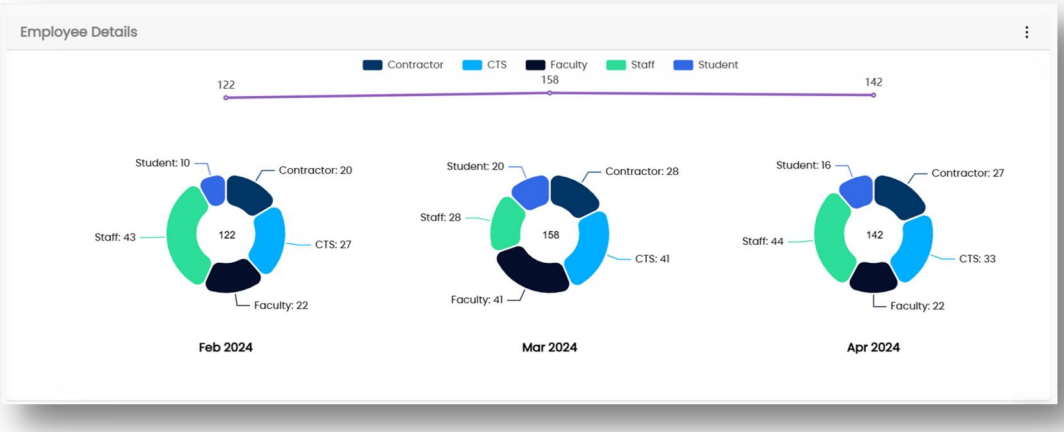
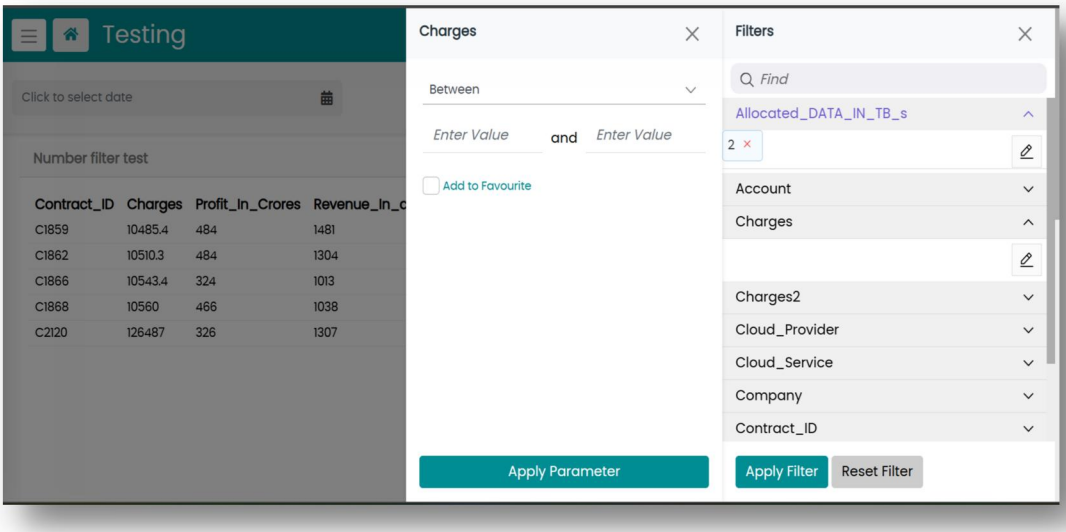


- **Range operator for quick filter on home page**

The range operator allows users to filter data based on specific numerical ranges (e.g., price, date, quantity), providing a more precise and tailored search experience.

As soon as a filter is selected, the data on the homepage is instantly updated without the need for additional clicks.



- **Add option In global date Filter Like Last 5 Min, Last 10 Min and Last 30 Min and used this in Home Page**

Added option In global date Filter Like Last 5 Min, Last 10 Min and Last 30 Min and used this in Home Page

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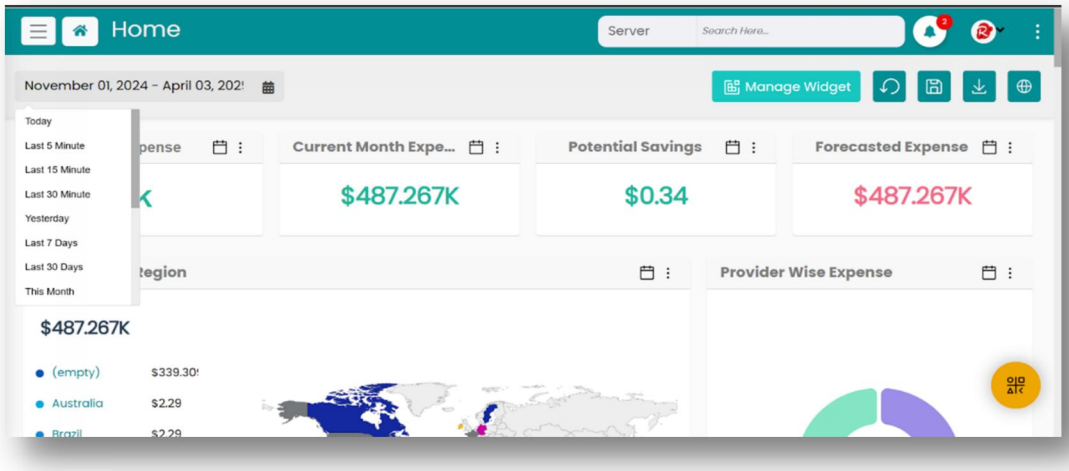
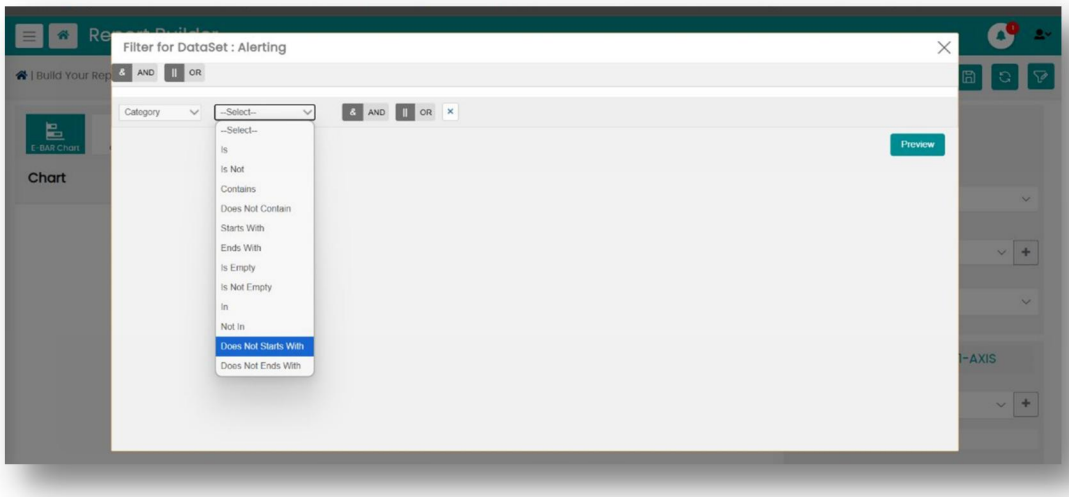


- **Two more conditions to be added in filtering:**

Does not start with – This condition filters out entries that begin with a specific string or character.

Does not end with – This condition filters out entries that end with a specific string or character.



- **Enabling State wise Chart and Location as a Locator in Geo health Status Template**

Overview

The Geo Health Status template has been enhanced to support **State-level visualization** and **Location-based markers**, providing a deeper and more interactive geographic analysis experience.

Previously, the template supported only a **world map** view with a single Group By: Country option. With this enhancement, users can now:

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- View state-level maps for specific countries.
- Drill down into grid and raw data from the state view.
- Use location markers (based on latitude and longitude) for precise data point visualization.
- Apply conditional formatting to customize marker colors based on specified rules.

Key Enhancements

1. **State-wise Chart Support**
   - A state-level map is now available in the Geo Health Status template.
   - Users can:
     - Select a country from the **world map** and drill down into its **state map**.
     - Drill further into **grid-level and raw data** by choosing the Group By: State option.
2. **Direct Country Map View**
   - Users can now skip the world map and directly load a specific country map by selecting:
     - Group By: State instead of Group By: Country.
   - This enables the state-wise view to be rendered immediately, based on the available state-level data.
3. **Location-Based Markers (Latitude & Longitude)**
   - When State-level grouping is selected (via Group By or Group By State):
     - Users can further enable the **Group By Location** option.
     - This displays **marker symbols** on the map representing exact **latitude and longitude** coordinates.
     - These markers help pinpoint specific health data or entity locations within a state.
4. **Conditional Formatting for Location Markers**
   - The Group By Location feature is enhanced with Conditional Formatting options:
     - A new "Location Color in Chart Conditional Formatting" setting is available.
     - Users can define rules/conditions to dynamically customize the color of each marker on the map.

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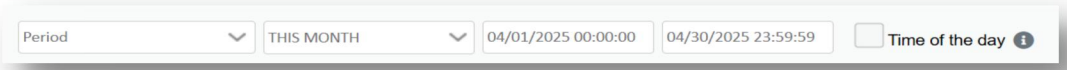
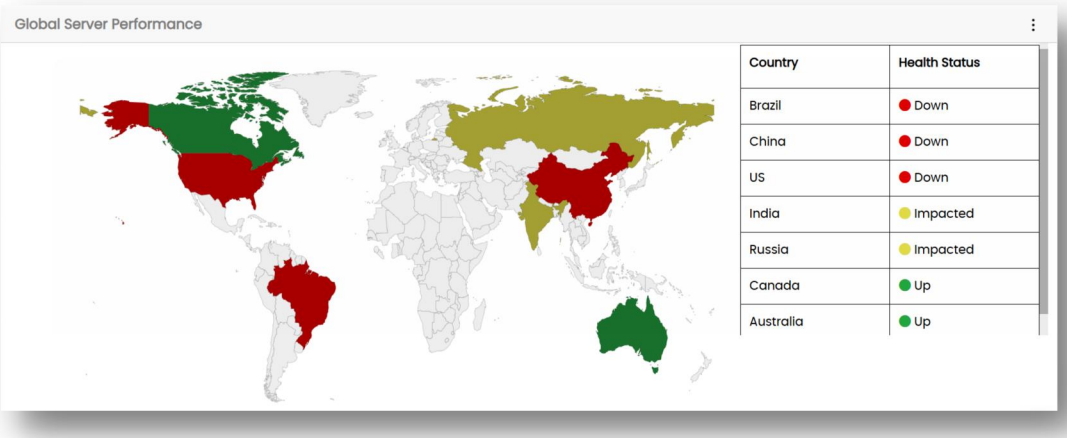
5. Enabled Date Filter

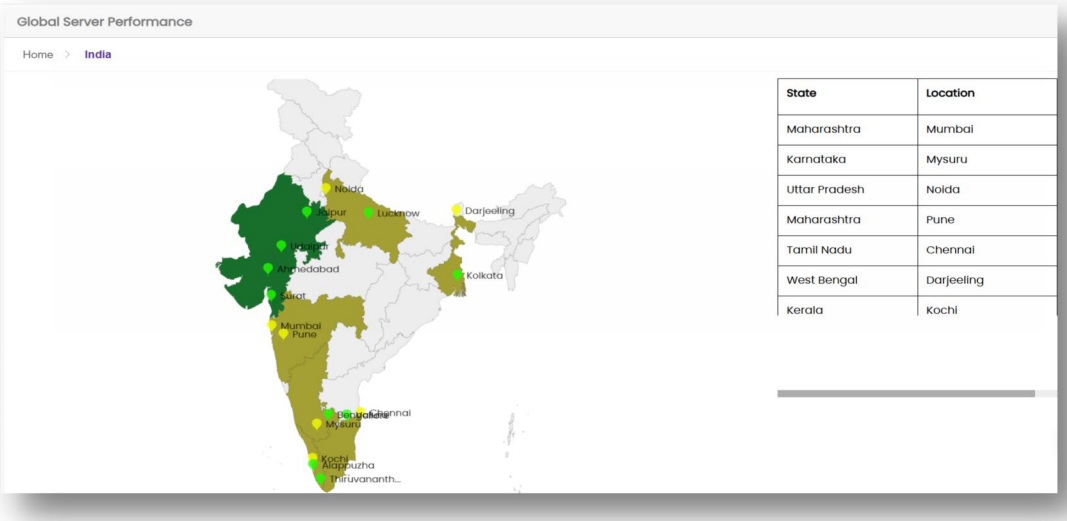
- The Date Filter feature is now active on the **GeoHealth Template**. This allows users to retrieve data based on a selected date range.



6. Enabled Multi Measure with Tooltip

Users can now select multiple measures, with a minimum of 1 and a maximum of 3.





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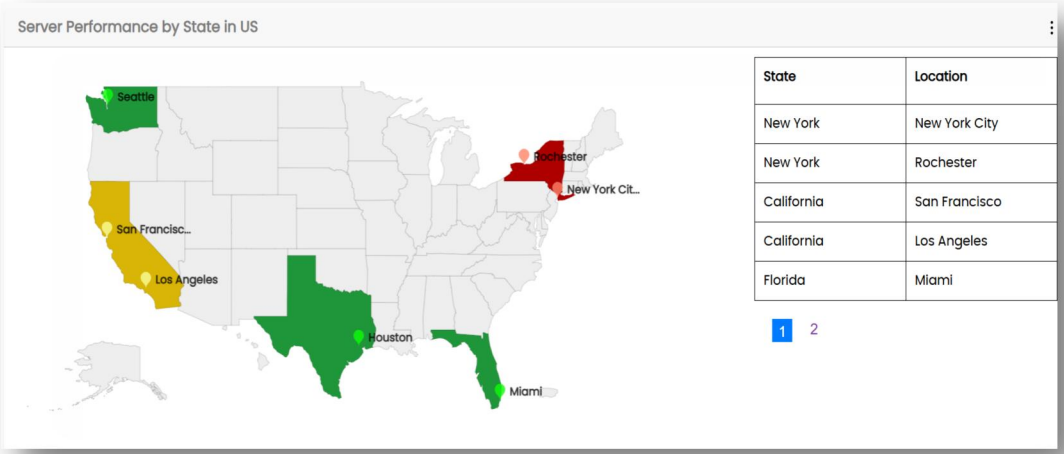

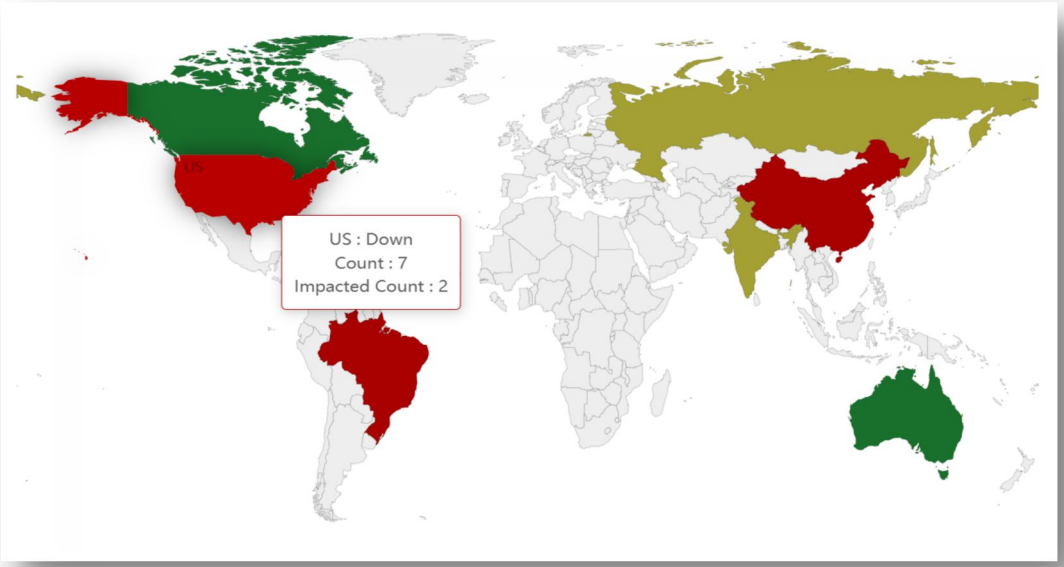

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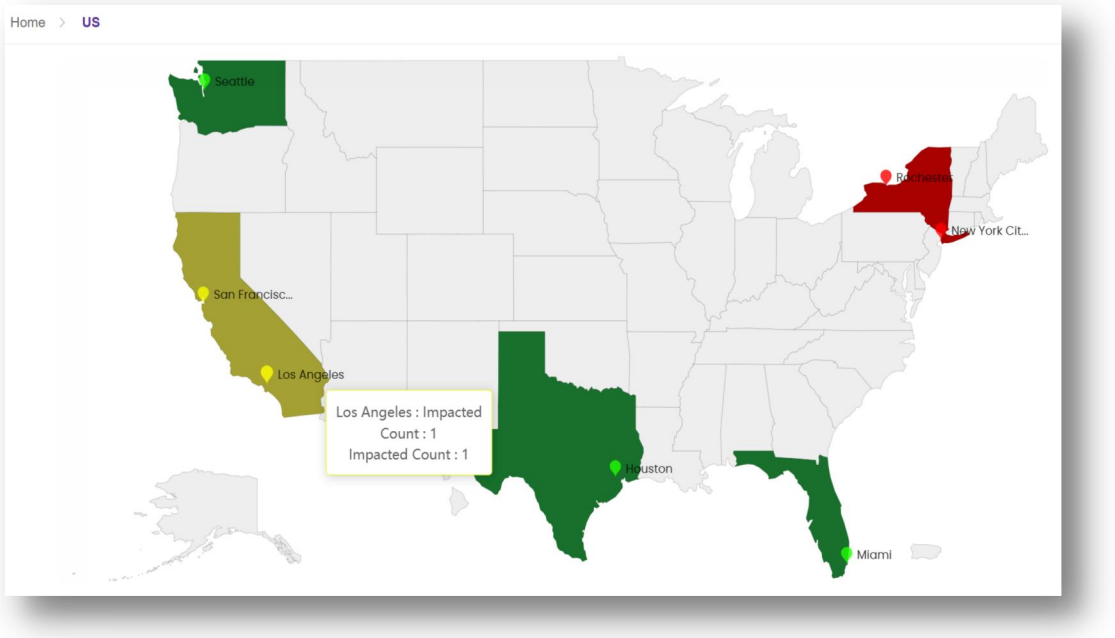

- **Custom month selection and comparison with date range for Grid and Ebar Report:**
  - Comparative property has been enabled on grid and ebar templates.

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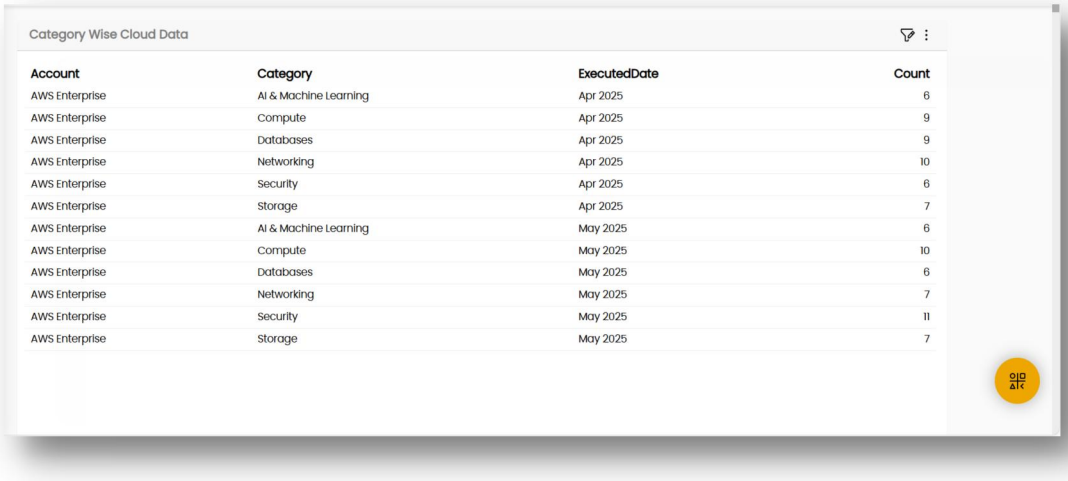
- Users can compare data across different months and years by selecting comparative options.
- Comparative analysis features enhance reporting capabilities, making it easier for users to generate insightful reports that compare current data with historical data.
- Three comparative options are enabled:

  Previous Period: Compares the current data to the immediately preceding period. For example, if the current period is a month, it compares to the previous month.

  Previous Year: Compares the current data to the previous year. For example, if the current period is January 2024, it compares to previous year data (2023).

  Previous Year Same Period: Compares the current data to the same period in the previous year. For example, if the current period is Q1 2023, it compares to Q1 2022.



Category Wise Cloud Data

Account	Category	ExecutedDate	Count
AWS Enterprise	AI & Machine Learning	Apr 2025	6
AWS Enterprise	Compute	Apr 2025	9
AWS Enterprise	Databases	Apr 2025	9
AWS Enterprise	Networking	Apr 2025	10
AWS Enterprise	Security	Apr 2025	6
AWS Enterprise	Storage	Apr 2025	7
AWS Enterprise	AI & Machine Learning	May 2025	6
AWS Enterprise	Compute	May 2025	10
AWS Enterprise	Databases	May 2025	6
AWS Enterprise	Networking	May 2025	7
AWS Enterprise	Security	May 2025	11
AWS Enterprise	Storage	May 2025	7

- **Ebar chart:**

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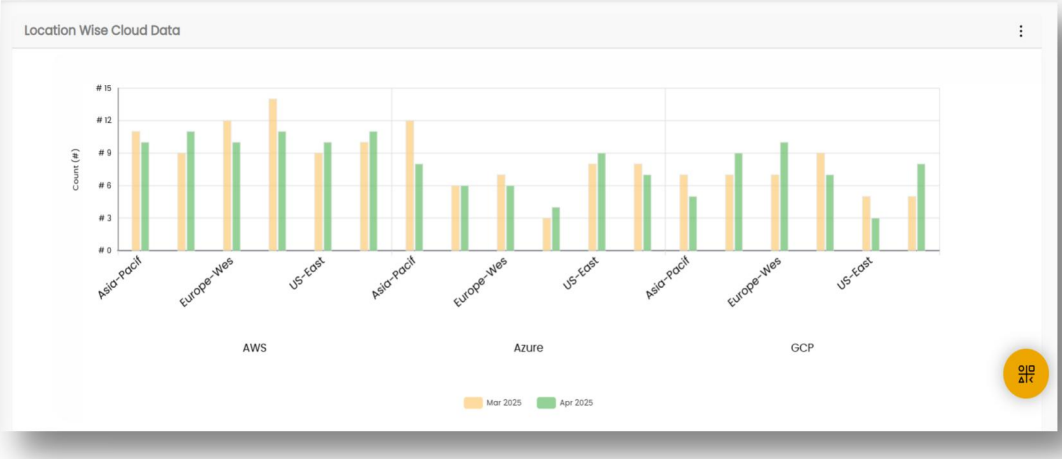
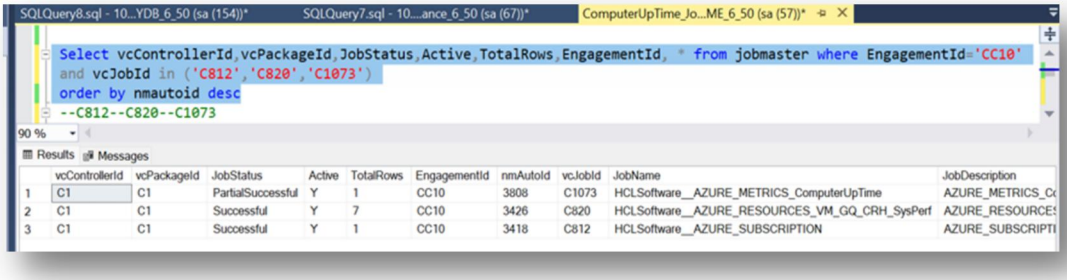
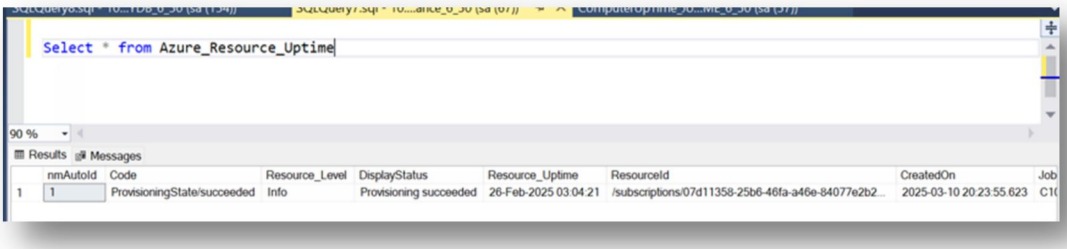


- **Azure Monitor: Adapter development the get the data of Uptime**

Build an adapter to get the Uptime data of a resource through Azure Monitor API.





- **Network bandwidth parameter {network in and out} utilization to be available for Rightsizing recommendations.**

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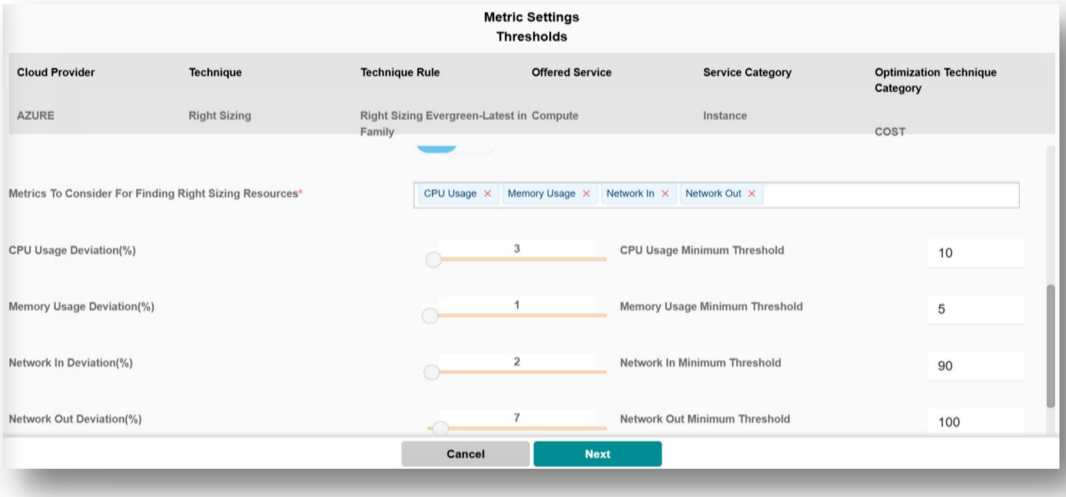
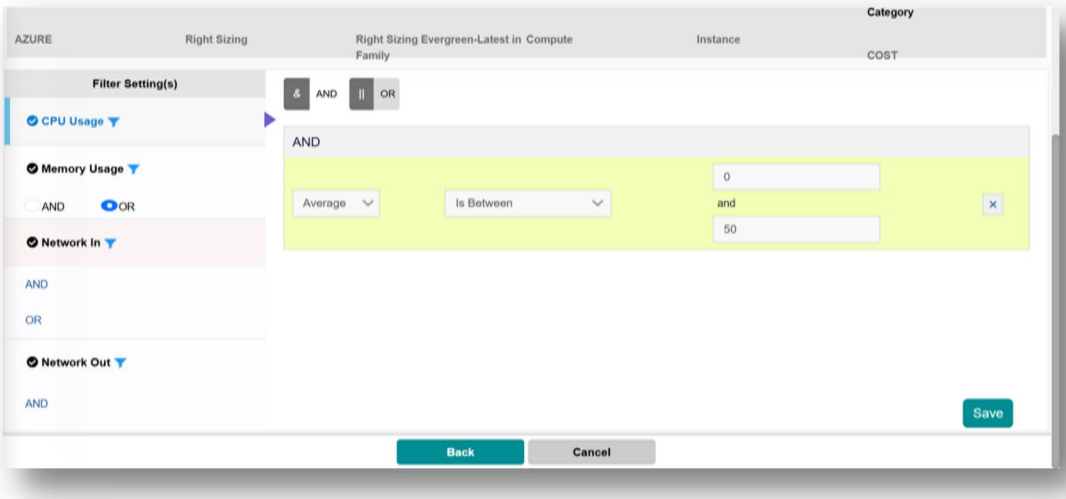
Enabled Network in and network out parameters for the network bandwidth utilization have been made available into the Rightsizing recommendations of Instance service category in the cost optimization settings page.





- **Installer Multi tool instance option for integration databases (FINOPS/SYS PERF/ITSM etc.)**

Previous Version: Users could only select 1 instance of the integration tools during installation.

New Enhancement: In this sprint, the installer now supports selecting up to 5 instances of the integration tools.

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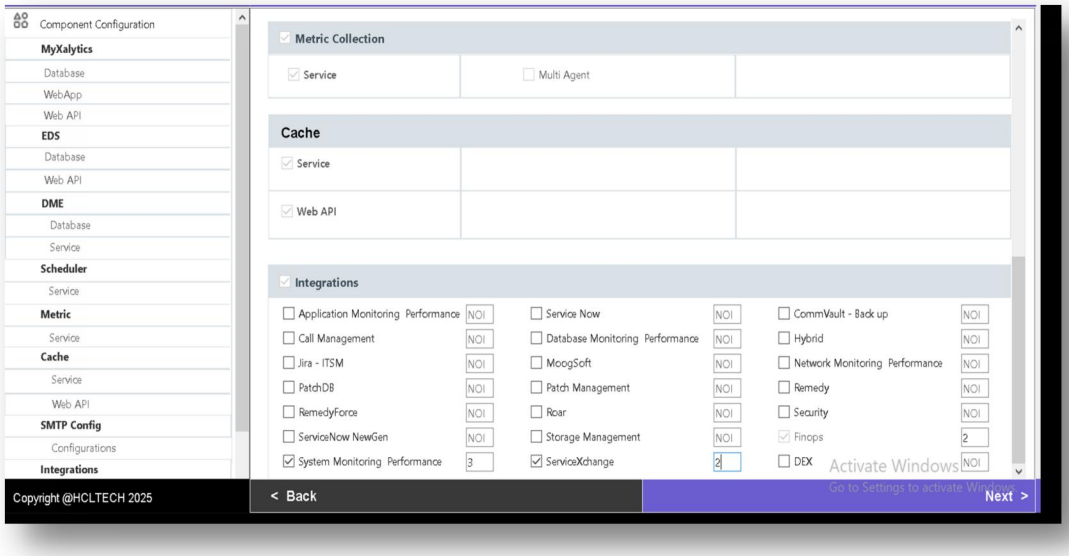
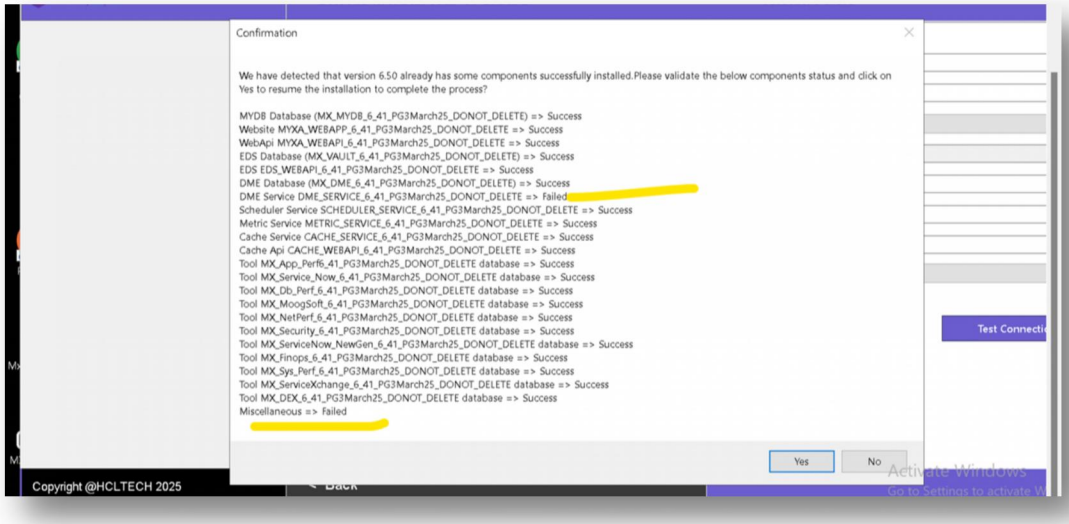
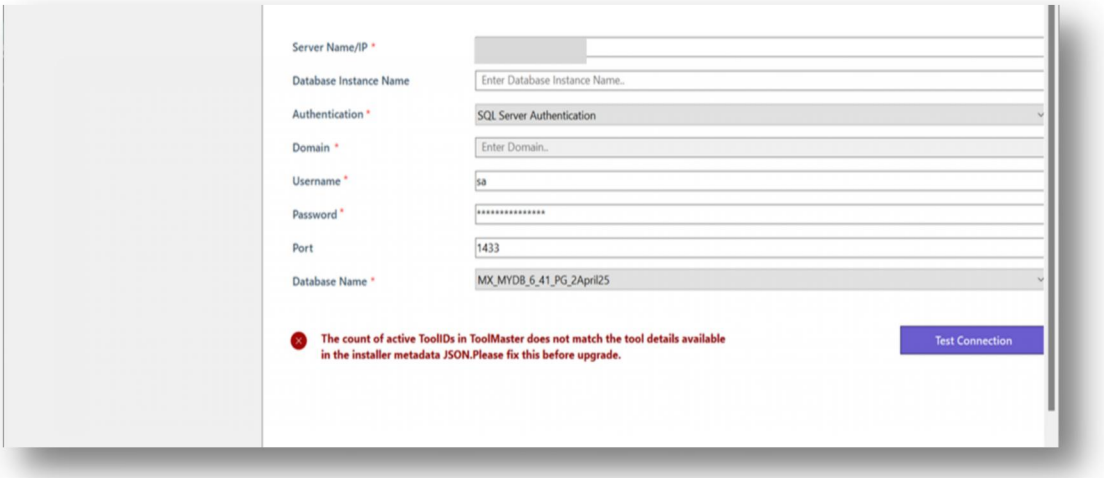
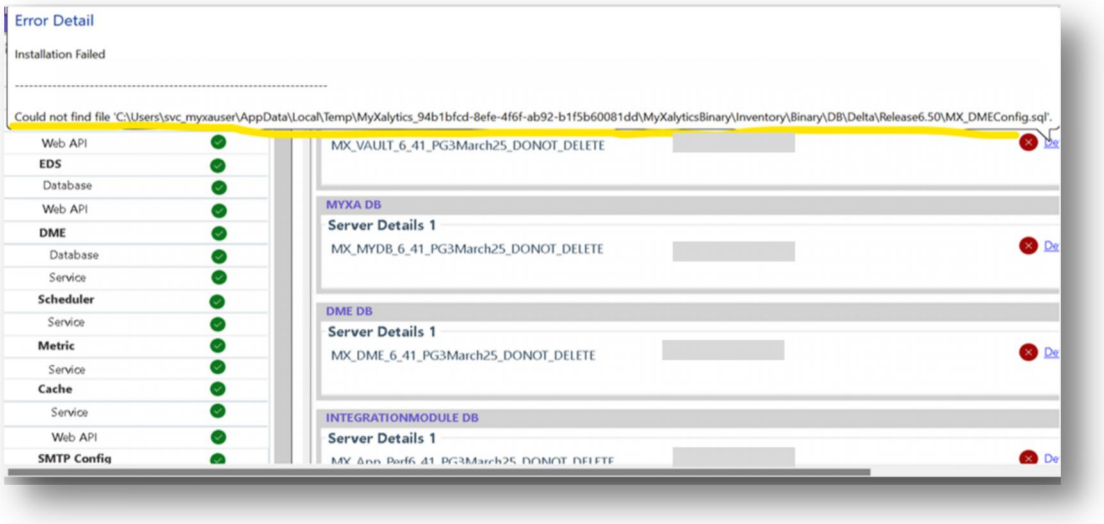


- **Installer Resume for Applications/Services, Database Reversion on Failure, and Addition of Prerequisite Checkers and Validations**
    - Database Revert on Failure: Introduced functionality to revert the database to its previous state in case of any failures during operations.
    - Resumption of Apps and Services: Enhanced the system to have ability to resume applications and services if any failures occurred during installation.
    - Validation and Prerequisite Checkers: Integrated comprehensive validation and prerequisite checkers to ensure smooth installation and operation.







- **ServiceNow oAuth Authentication Integration**

oAuth authentication integration has been enabled in ServiceNow integration. Based on the ClientId and ClientSecret, a bearer token will be generated and using that token data will be fetched from the ServiceNow instance.

Note: In detail you can go to MyXalytics_v6.6_Admin_Guide.docx document and search section Service Now- oAuth authentication (DME)

- **ServiceNow Certificate Based Authentication Integration**

Certificate based authentication integration has been enabled in ServiceNow integration. Server & Client certificate will be configured. using the client certificate, requests will be authenticated and data will be fetched from the ServiceNow instance.

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Note: In detail you can go to MyXalytics_v6.6_Admin_Guide.docx document and search section Service Now -Certificate based authentication (DME)

- **Cache Refresh Enablement through DME Job**

Enabled cache refresh, when required through DME jobs. Based on the job additional settings cache can be refreshed. Sample AdditionalSettings value is:

```
{CacheRefresh:true,RefreshObject:"<UniverseMasterobject with pipe seperated>"}
```

Note: In detail you can go to MyXalytics_v6.6_Admin_Guide.docx document and search section **Cache Refresh -DME**

- **Cache Refresh Enablement through Metric Service**

Enabled cache refresh, when required through metric jobs. Based on the job additional settings cache can be refreshed. This can be configured in AdditionalSettings attribute in KPIData_JobMaster table in core mydb. Sample AdditionalSettings value is:

```
{CacheRefresh:true}
```

Note: in detail you can go to MyXalytics_v6.6_Admin_Guide.docx document and search section Cache Refresh - Metric

- **AWS Security Service integrations:** Configured the AWS security services job and sync the data on a daily basis. We cut the monthly table for this provider. We sync the data once a day.
- **Azure defender for cloud integrations:** Configured the AZURE defender for cloud services job and sync the data on a daily basis. We cut the monthly table for this provider. We sync the data once a day.
- **Bigfix compliance integrations:** Configured the BigFix compliance jobs and sync the data on a daily basis. We cut the monthly table for this provider. We sync the data once a day.
- **iObserve compliance integrations:** Configured the iObserve compliance jobs and sync the data on a daily basis. We cut the monthly table for this provider. We sync the data once a day.

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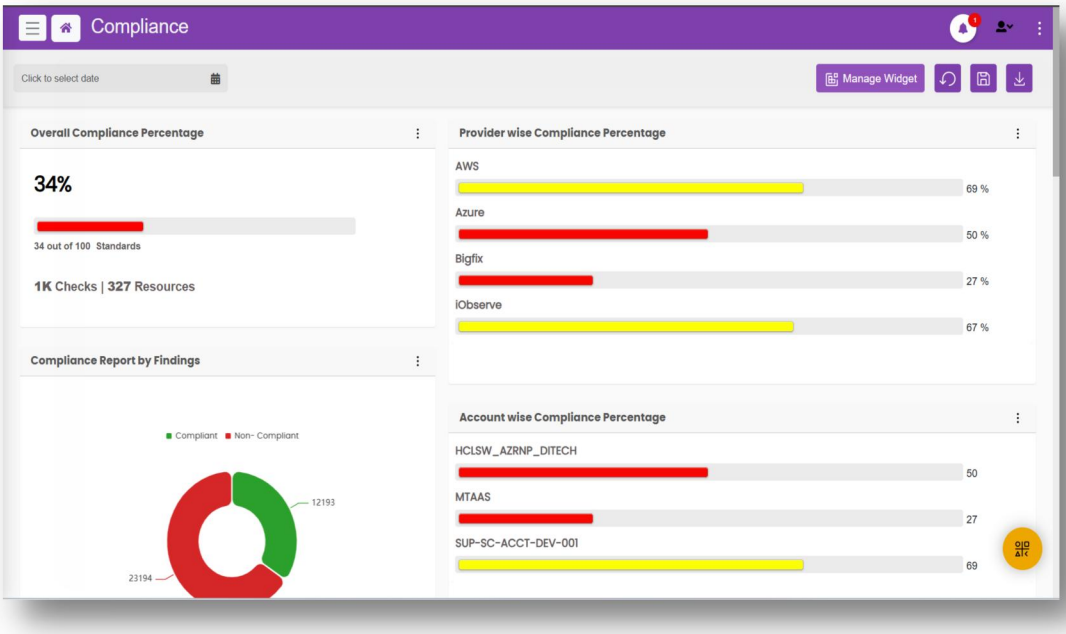
- **Cloud inventory/object integrations:** Configured the AWS, AZURE, GCP, BigFix and iObserve inventory jobs and sync the data on a daily basis. We sync the data once a day.

- **Compliance metric configuration:** Configured a metric job which collects the data of AWS, AZURE, BigFix and iObserve providers and syncs them into a single object.

- **Compliance object universe configuration:** Configured the above metric created object in universe and exposed some measures and relations with tables. We used these measures and columns to make our reports.

- **Compliance Dashboard and Reporting:** Using the above metric object we created some reports, dashboard and insights. There is a one summary dashboard and provider wise dashboard. Below are the reference screenshots:



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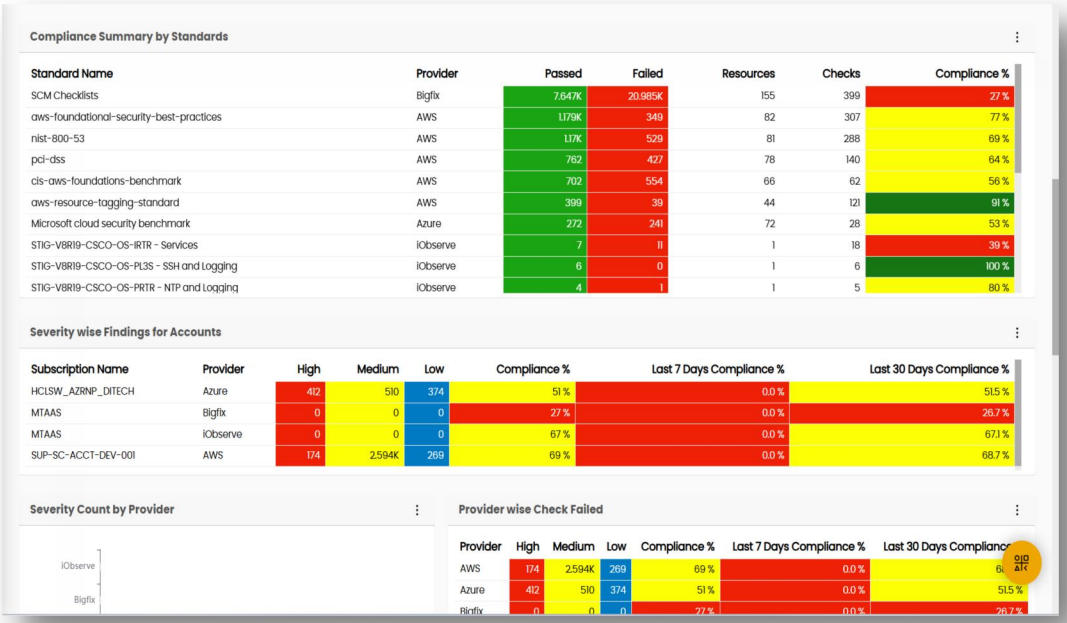


Compliance Summary by Standards

Standard Name	Provider	Passed	Failed	Resources	Checks	Compliance %
SCM Checklists	Bigfix	7.647K	20.985K	155	399	27 %
aws-foundational-security-best-practices	AWS	1.179K	349	82	307	77 %
nist-800-53	AWS	1.17K	529	81	288	69 %
pci-dss	AWS	762	427	78	140	64 %
cis-aws-foundations-benchmark	AWS	702	554	66	62	56 %
aws-resource-tagging-standard	AWS	399	39	44	121	91 %
Microsoft cloud security benchmark	Azure	272	241	72	28	53 %
STIG-V8R19-CSCO-OS-IRTR - Services	iObserve	7	11	1	18	39 %
STIG-V8R19-CSCO-OS-PL3S - SSH and Logging	iObserve	6	0	1	6	100 %
STIG-V8R19-CSCO-OS-PRTR - NTP and Logging	iObserve	4	1	1	5	80 %

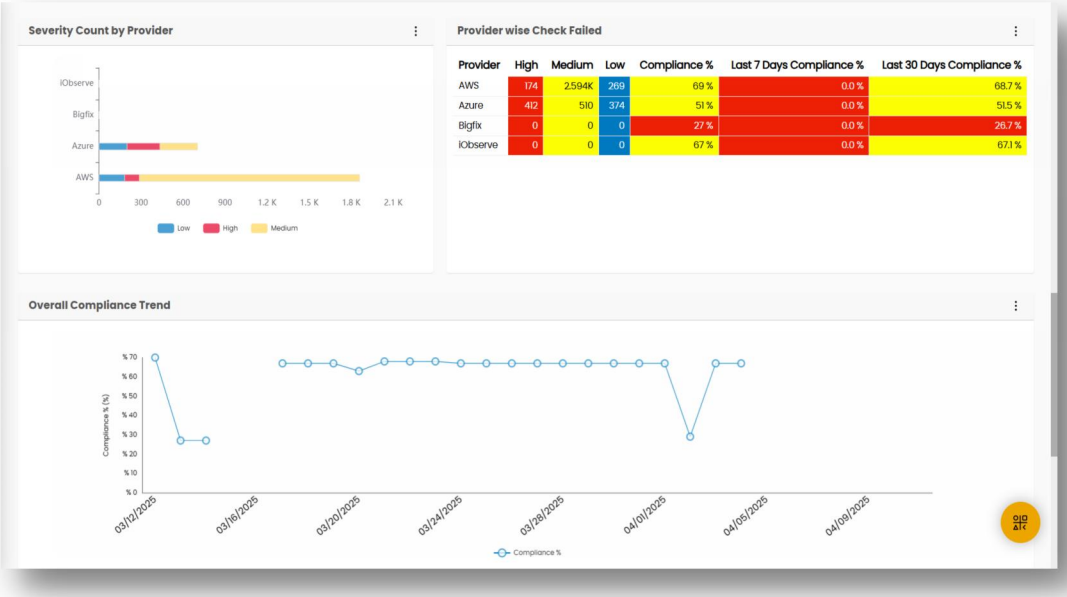
Severity wise Findings for Accounts

Subscription Name	Provider	High	Medium	Low	Compliance %	Last 7 Days Compliance %	Last 30 Days Compliance %
HCLSW_AZRNP_DITECH	Azure	412	510	374	51 %	0.0 %	51.5 %
MTAAS	Bigfix	0	0	0	27 %	0.0 %	26.7 %
MTAAS	iObserve	0	0	0	67 %	0.0 %	67.1 %
SUP-SC-ACCT-DEV-001	AWS	174	2.594K	269	69 %	0.0 %	68.7 %

Severity Count by Provider

Provider wise Check Failed

Provider	High	Medium	Low	Compliance %	Last 7 Days Compliance %	Last 30 Days Compliance
AWS	174	2.594K	269	69 %	0.0 %	6
Azure	412	510	374	51 %	0.0 %	51.5 %
Bigfix	0	0	0	27 %	0.0 %	26.7 %

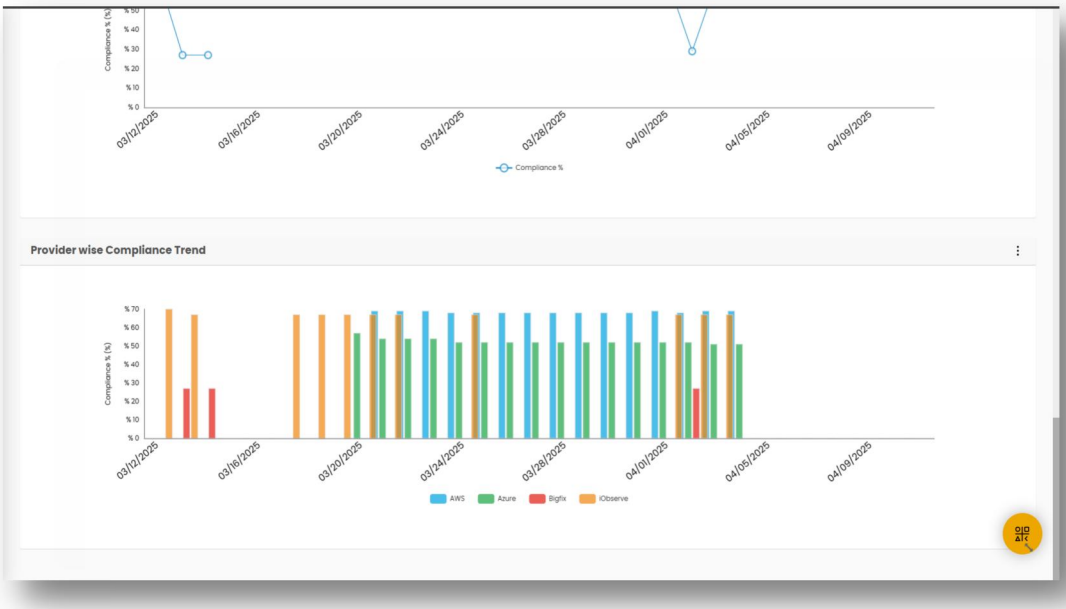


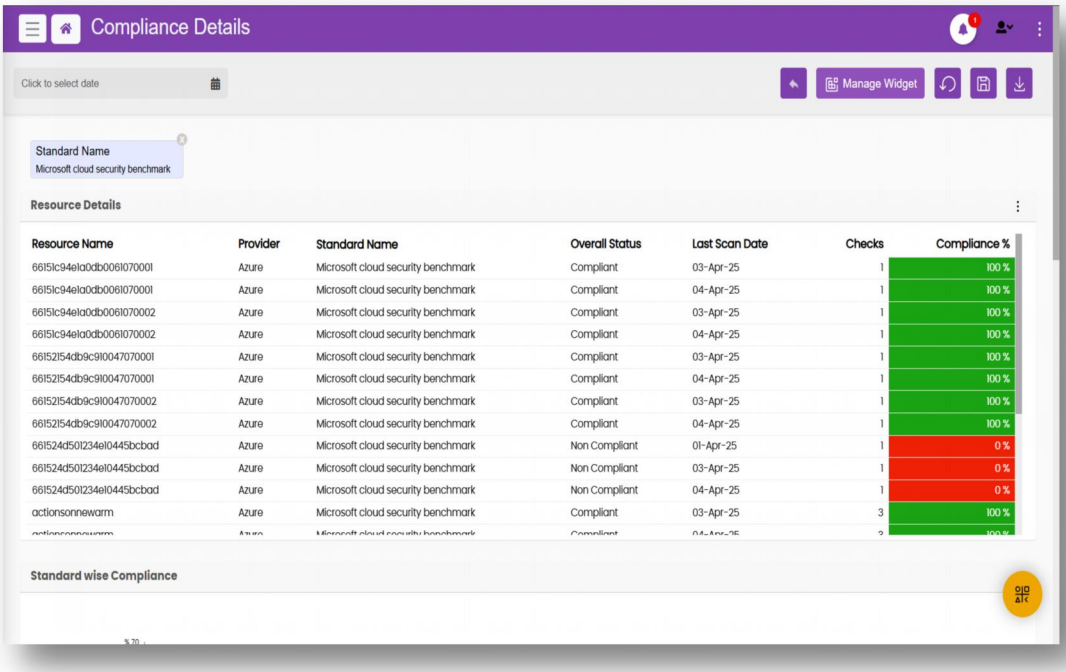
Severity Count by Provider

Provider wise Check Failed

Provider	High	Medium	Low	Compliance %	Last 7 Days Compliance %	Last 30 Days Compliance %
AWS	174	2.594K	269	69 %	0.0 %	68.7 %
Azure	412	510	374	51 %	0.0 %	51.5 %
Bigfix	0	0	0	27 %	0.0 %	26.7 %
iObserve	0	0	0	67 %	0.0 %	67.1 %

Overall Compliance Trend





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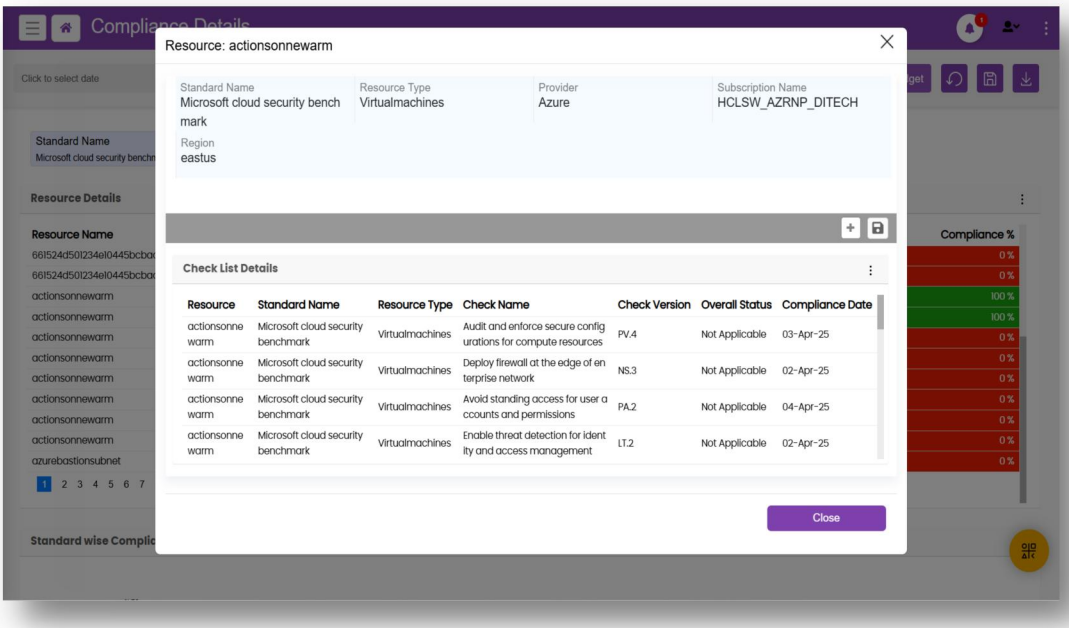
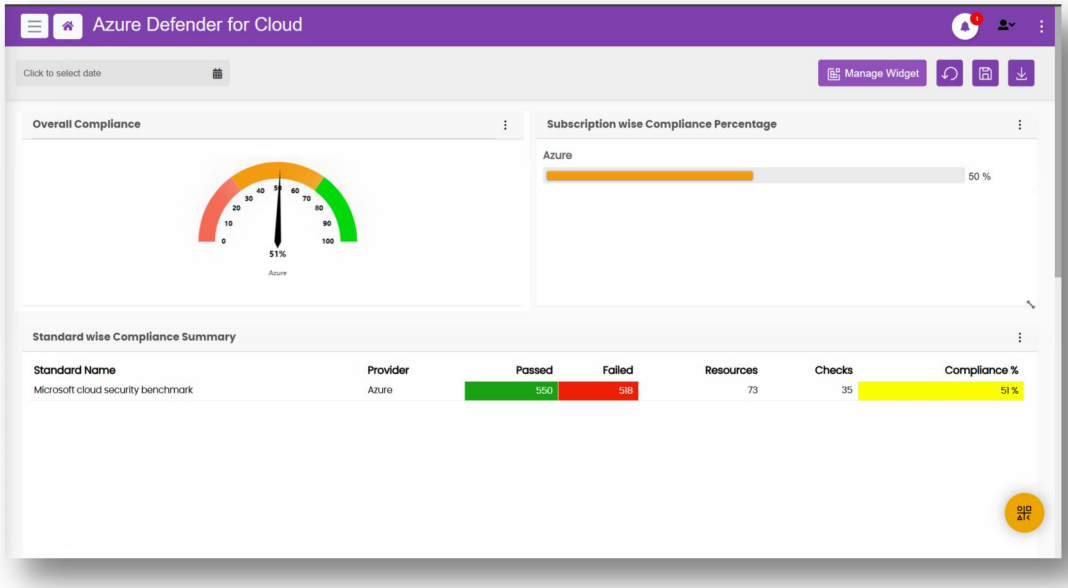
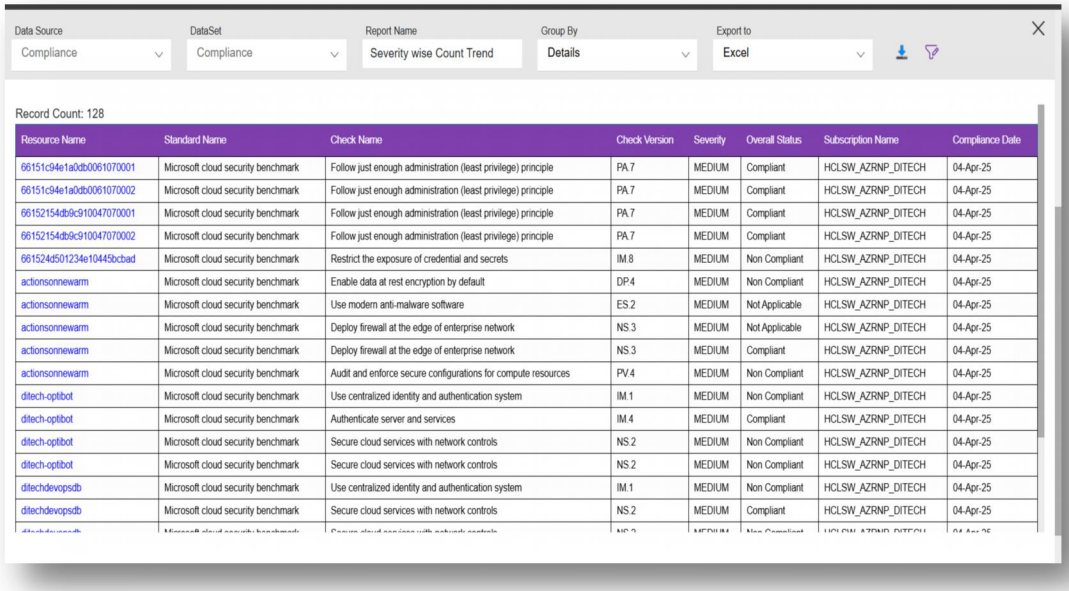
Standard Name	Resource	Provider	High	Medium	Low	Compliance %	Last 7 Days Compliance %	Last 30 Days Compliance %
Microsoft cloud security benchmark	(GLOBAL)	Azure	288	16	32	17 %	0.0 %	16.7 %
Microsoft cloud security benchmark	66151c94e1a0db0061070001	Azure	0	16	0	100 %	0.0 %	100.0 %
Microsoft cloud security benchmark	66151c94e1a0db0061070002	Azure	0	16	0	100 %	0.0 %	100.0 %
Microsoft cloud security benchmark	661521 54db9c91 0047070001	Azure	0	16	0	100 %	0.0 %	100.0 %
Microsoft cloud security benchmark	661521 54db9c91 0047070002	Azure	0	16	0	100 %	0.0 %	100.0 %
Microsoft cloud security benchmark	661524d501234e10445bcbad	Azure	0	16	0	0 %	0.0 %	0.0 %
Microsoft cloud security benchmark	actionsonnewarm	Azure	144	80	80	44 %	0.0 %	44.4 %
Microsoft cloud security benchmark	azurebastionsubnet	Azure	0	0	16	0 %	0.0 %	0.0 %
Microsoft cloud security benchmark	azurefirewallsubnet	Azure	0	0	16	0 %	0.0 %	0.0
Microsoft cloud security benchmark	default	Azure	0	0	16	0 %	0.0 %	0.0 %
Microsoft cloud security benchmark	ditech-optibot	Azure	48	94	32	15 %	0.0 %	23.5 %

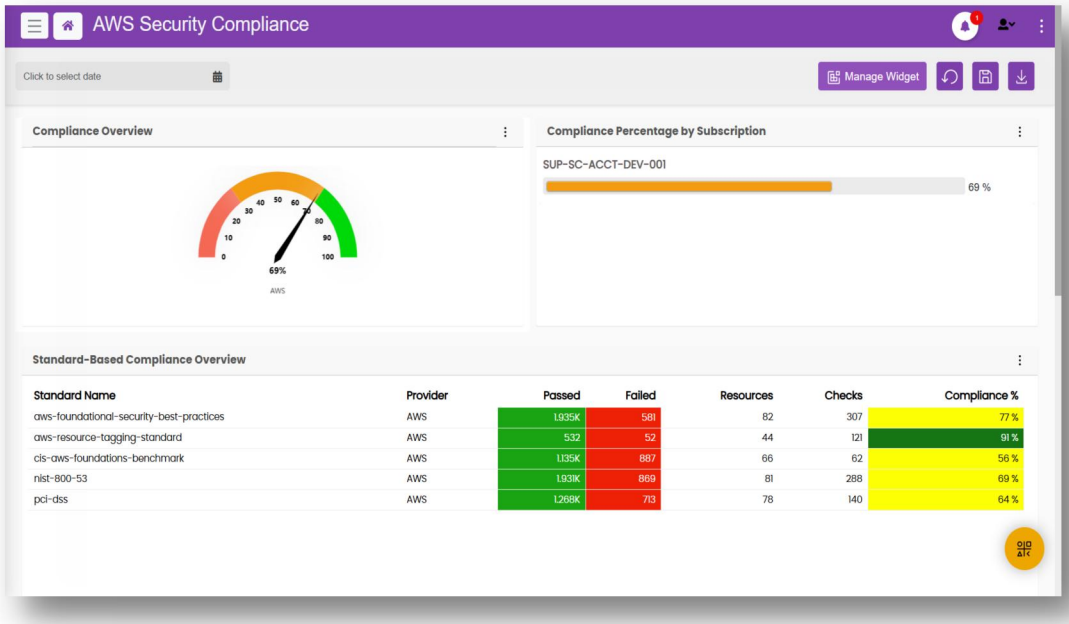



Azure Defender for Cloud
Click to select date
Manage Widget
Overall Compliance
51%
Azure
Subscription wise Compliance Percentage
Azure
50 %
Standard wise Compliance Summary
Standard Name
Provider
Passed
Failed
Resources
Checks
Compliance %
Microsoft cloud security benchmark
Azure
550
518
73
35
51 %

Severity wise Count Trend
03/13/2025
03/20/2025
03/28/2025
04/05/2025
Medium
High
Low
Top Compliance Subscription Trend
HCLSW_AZRNP_DIT
Jan 2025
Feb 2025
Mar 2025
Apr 2025



Resource Name	Standard Name	Check Name	Check Version	Severity	Overall Status	Subscription Name	Compliance Date
66151c94e1a0db0061070001	Microsoft cloud security benchmark	Follow just enough administration (least privilege) principle	PA.7	MEDIUM	Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
66151c94e1a0db0061070002	Microsoft cloud security benchmark	Follow just enough administration (least privilege) principle	PA.7	MEDIUM	Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
66152154db9c910047070001	Microsoft cloud security benchmark	Follow just enough administration (least privilege) principle	PA.7	MEDIUM	Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
66152154db9c910047070002	Microsoft cloud security benchmark	Follow just enough administration (least privilege) principle	PA.7	MEDIUM	Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
661524d501234e10445bcbad	Microsoft cloud security benchmark	Restrict the exposure of credential and secrets	IM.8	MEDIUM	Non Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
actionsonnewarm	Microsoft cloud security benchmark	Enable data at rest encryption by default	DP.4	MEDIUM	Non Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
actionsonnewarm	Microsoft cloud security benchmark	Use modern anti-malware software	ES.2	MEDIUM	Not Applicable	HCLSW_AZRNP_DITECH	04-Apr-25
actionsonnewarm	Microsoft cloud security benchmark	Deploy firewall at the edge of enterprise network	NS.3	MEDIUM	Not Applicable	HCLSW_AZRNP_DITECH	04-Apr-25
actionsonnewarm	Microsoft cloud security benchmark	Deploy firewall at the edge of enterprise network	NS.3	MEDIUM	Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
actionsonnewarm	Microsoft cloud security benchmark	Audit and enforce secure configurations for compute resources	PV.4	MEDIUM	Non Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
ditech-optibot	Microsoft cloud security benchmark	Use centralized identity and authentication system	IM.1	MEDIUM	Non Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
ditech-optibot	Microsoft cloud security benchmark	Authenticate server and services	IM.4	MEDIUM	Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
ditech-optibot	Microsoft cloud security benchmark	Secure cloud services with network controls	NS.2	MEDIUM	Non Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
ditech-optibot	Microsoft cloud security benchmark	Secure cloud services with network controls	NS.2	MEDIUM	Non Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
ditechdevopsdb	Microsoft cloud security benchmark	Use centralized identity and authentication system	IM.1	MEDIUM	Non Compliant	HCLSW_AZRNP_DITECH	04-Apr-25
ditechdevopsdb	Microsoft cloud security benchmark	Secure cloud services with network controls	NS.2	MEDIUM	Compliant	HCLSW_AZRNP_DITECH	04-Apr-25



Standard Name	Provider	Passed	Failed	Resources	Checks	Compliance %
aws-foundational-security-best-practices	AWS	1,935K	581	82	307	77 %
aws-resource-tagging-standard	AWS	532	52	44	121	91 %
cis-aws-foundations-benchmark	AWS	1,135K	887	66	62	56 %
nist-800-53	AWS	1,931K	869	81	288	69 %
pci-dss	AWS	1,268K	713	78	140	64 %

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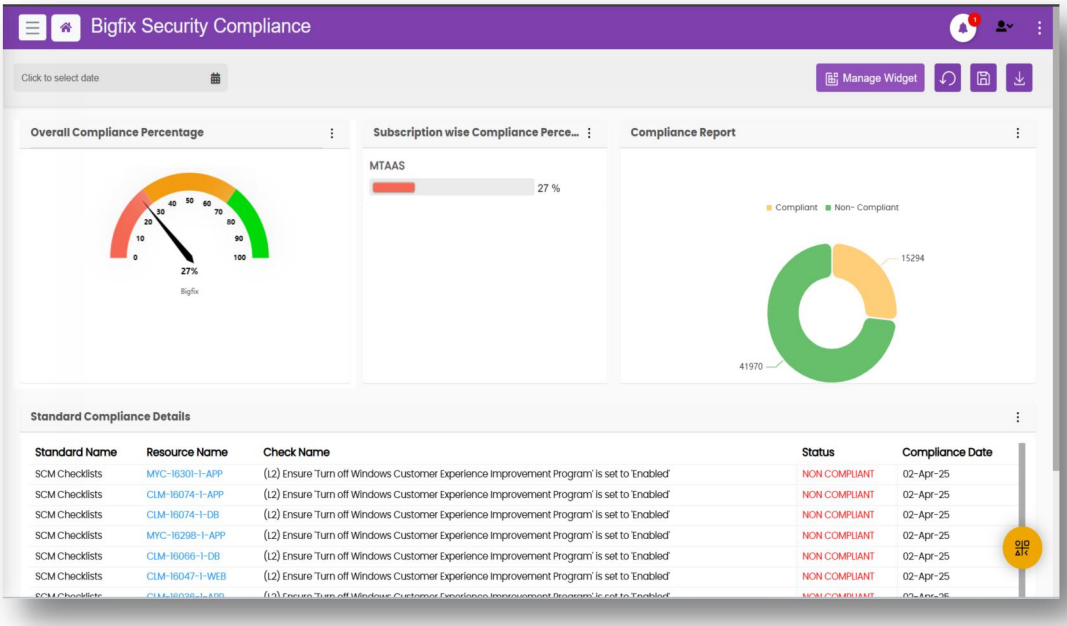
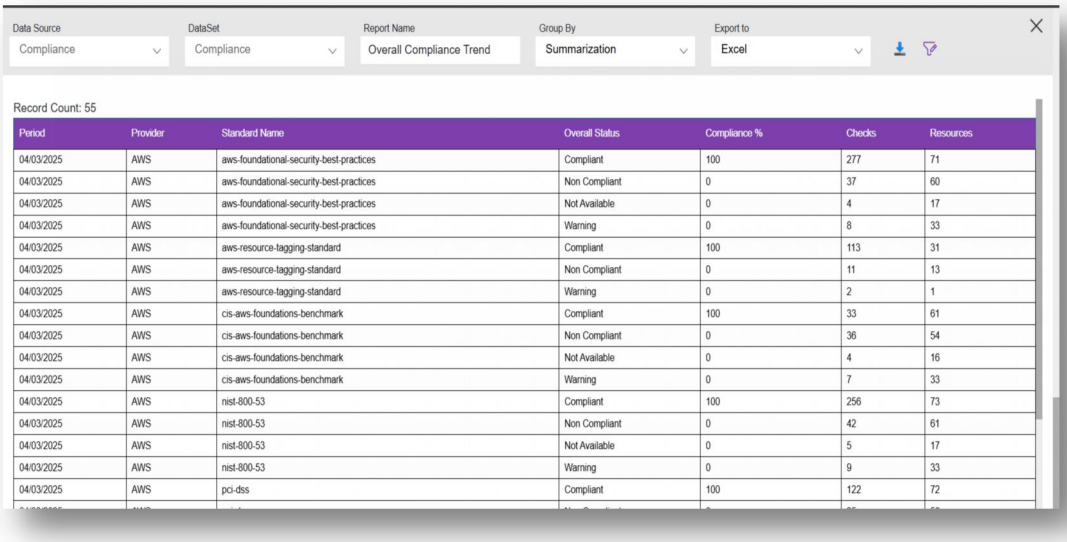
Severity Wise Trend
Medium (#) High (#) Low (#)
600
500
400
300
200
100
0
03/12/2025
03/20/2025
03/28/2025
04/05/2025
Medium
High
Low
Compliance Trend by Subscription
Compliance % (%)
% 70
% 60
% 50
% 40
% 30
% 20
% 10
% 0
SUP-SC-ACCT-DEV
Jan 2025
Feb 2025
Mar 2025
Apr 2025





- **Activate the 'Dashboard Linkage' feature via the form checkbox:** This feature allows the user to specify whether the new dashboard should be a linked dashboard (isDashboardLinkage) or a regular standalone dashboard during creation. When the isDashboardLinkage option is enabled, the dashboard will not appear in the main menu. Below are the reference screenshots.

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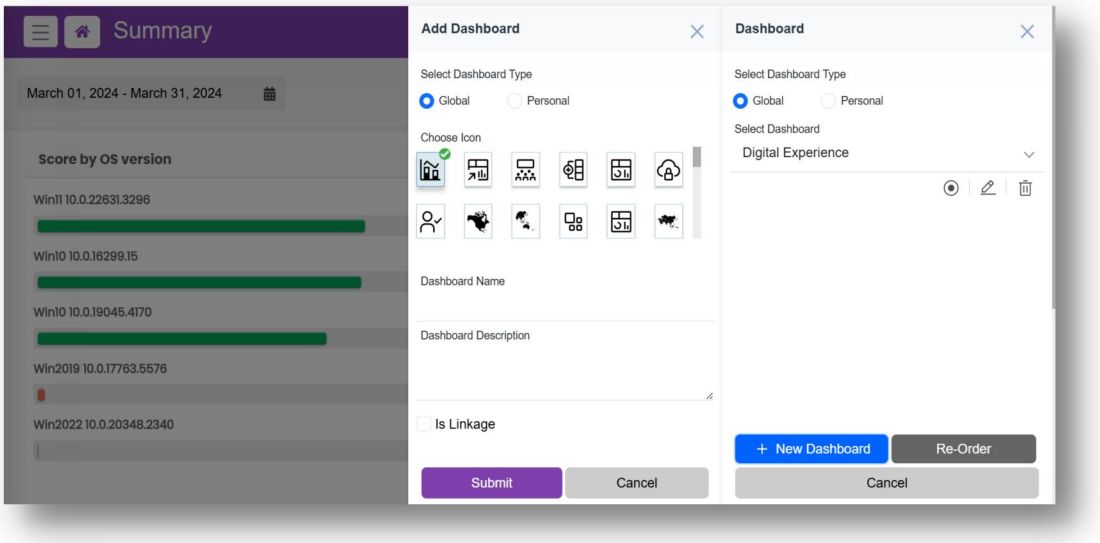


- **Event Rule (Compliance)**

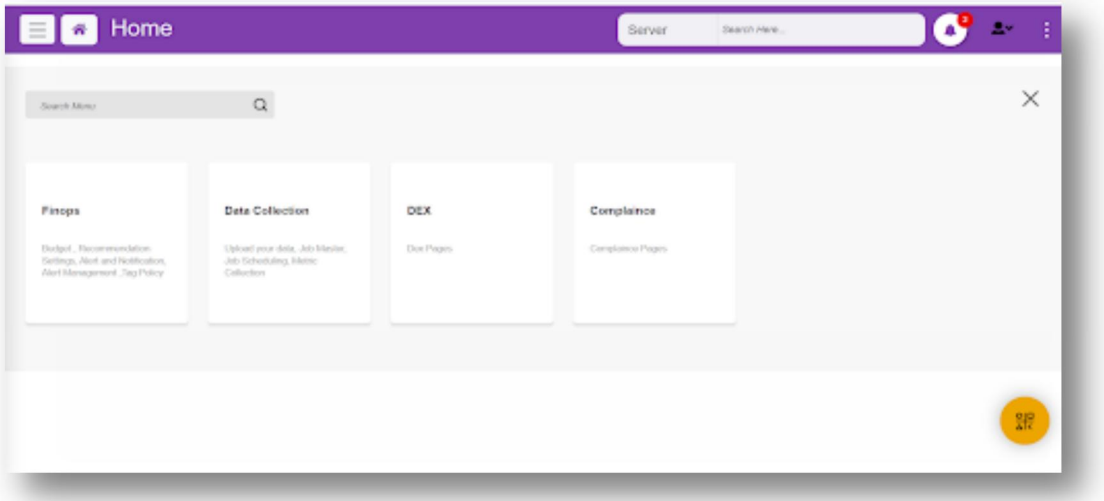
This module helps in configuring rules for Compliance for generating alerts and sending emails based on defined ranges.

Rules can be defined for:

- **Compliance**

Steps to configure the rule:

1. Go to Configuration tab -> FinOps -> Compliance -> Event Rule:



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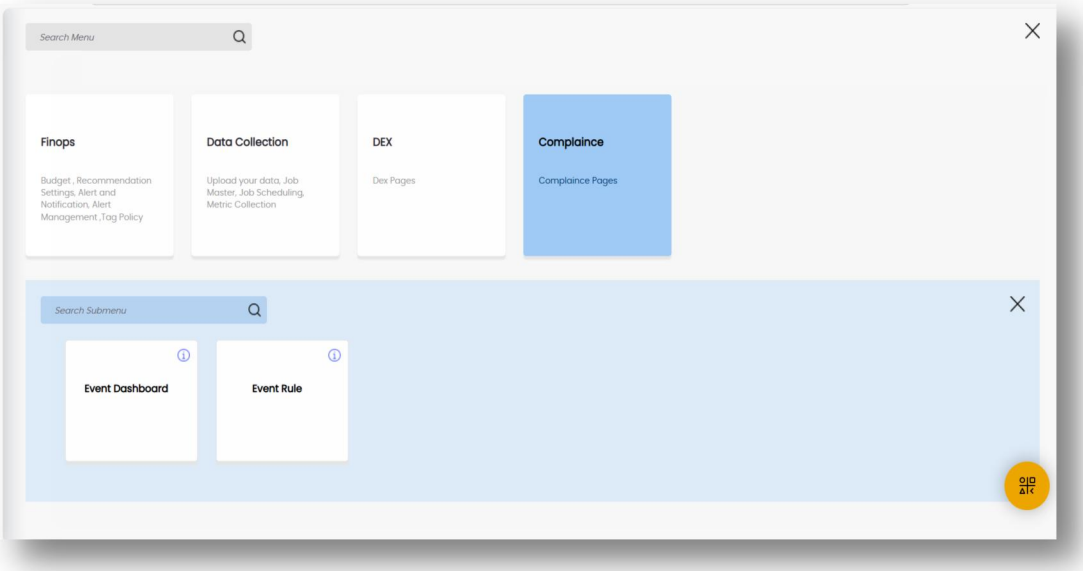
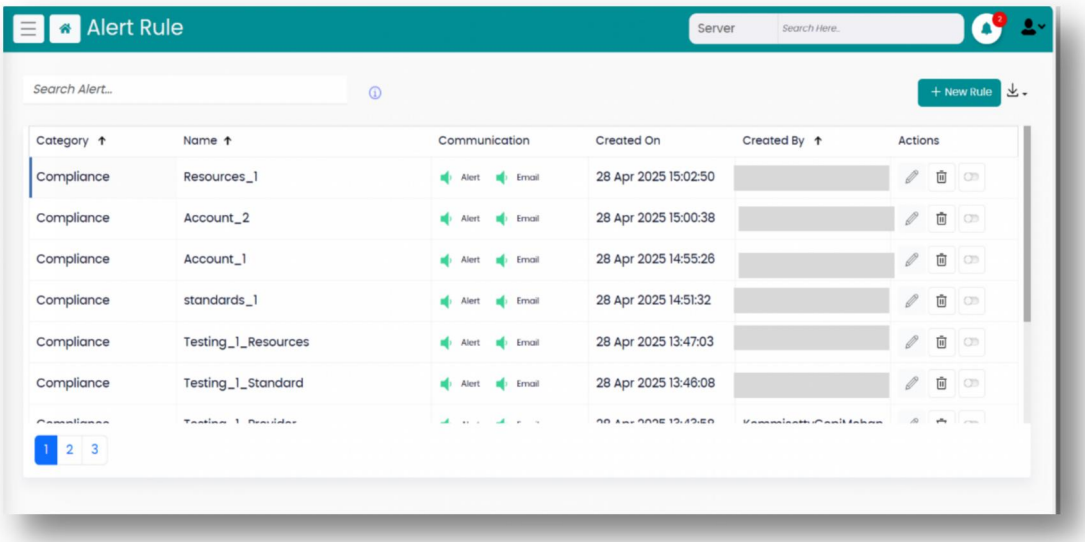


2. Click on the Create New Rule button on top right.



3. In the below page, following fields should be filled in:

   A. **Alert Name**: Enter a name for the alert rule.
   B. **Alert Category**: Configuration to be done for which category: Compliance

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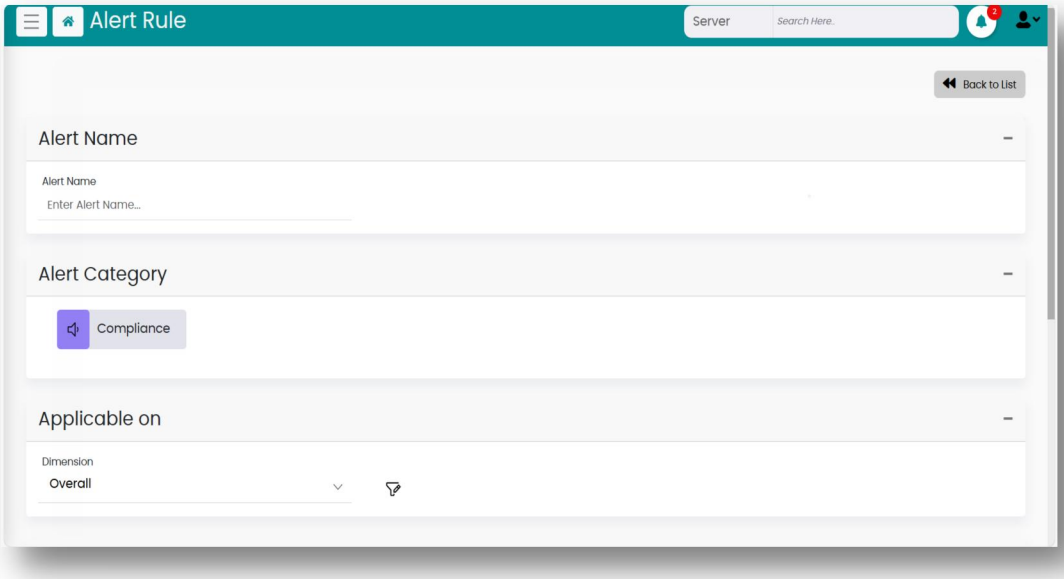

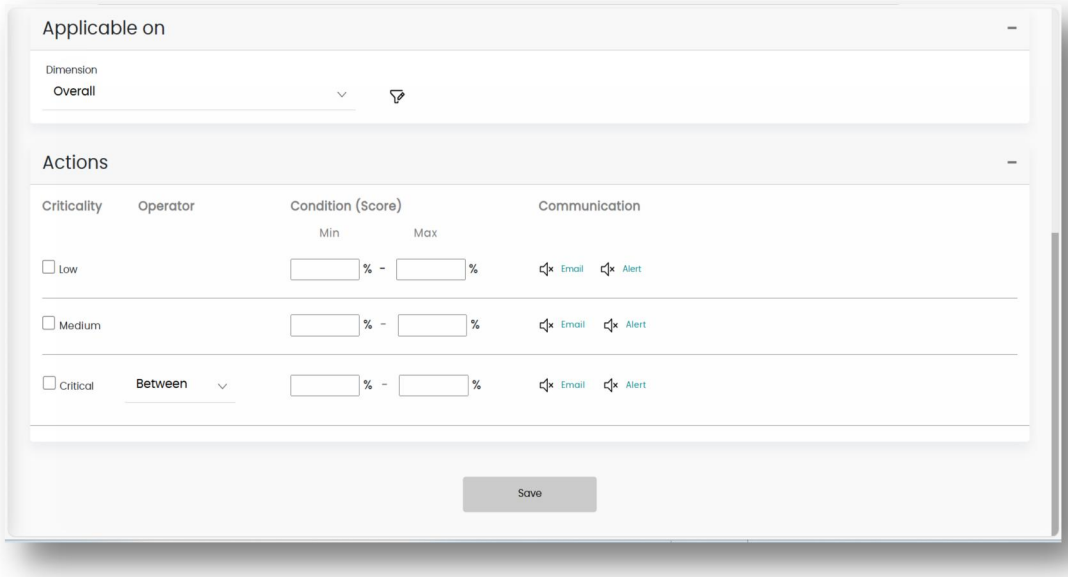

c. **Applicable on**: Dimension for which the rule will be applicable. Options are Overall, Account, Provider, Standards, Resources.

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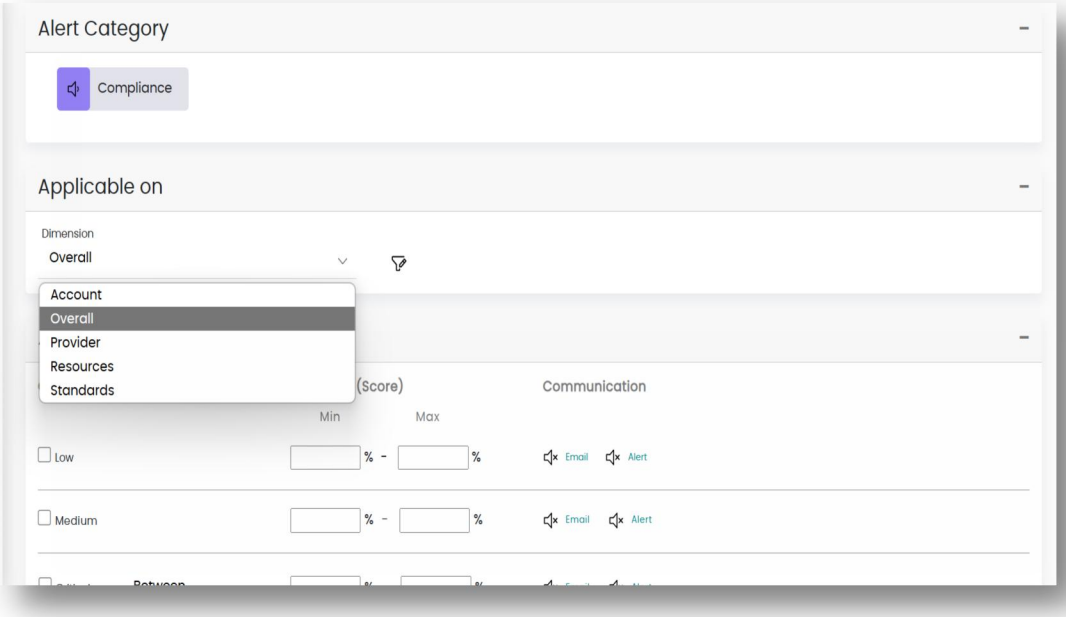
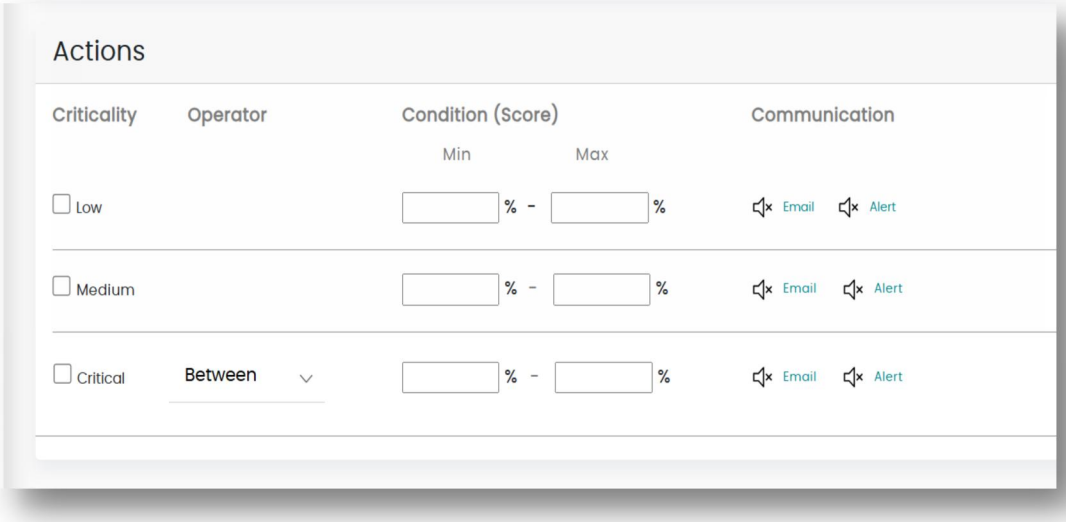


d. **Lookback Period**: This is by default: This Month

e. **Actions**: User needs to define the ranges and severity for which he wants the email or/and alerts.



- The email address to which mail should be sent should be configured by clicking on Email/ Alert links under Actions.

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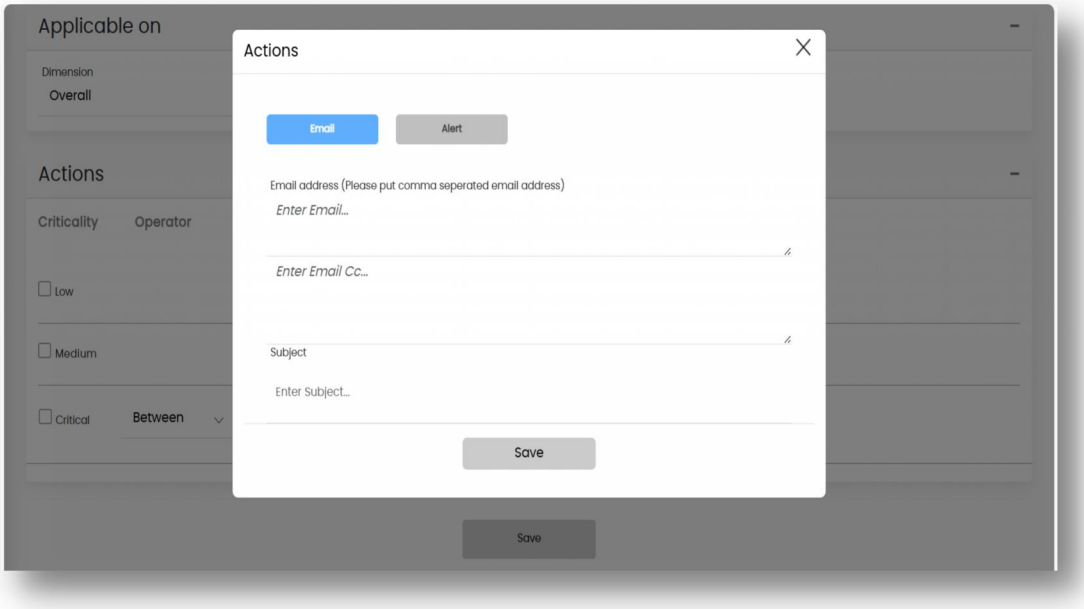
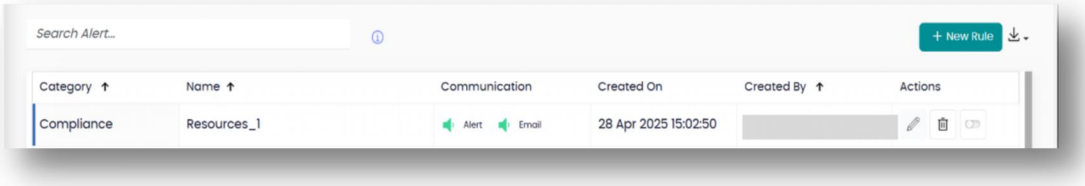


- Click on the **Save** button to save the configuration.
- The listing page enables user to Edit, Delete and Enable/ Disable a rule.



Here we can see different tabs technique wise. Each tab shows savings per resource. These can be assigned to assignees with severity. As soon as a line item is assigned to someone, an alert is generated. The alerts can be seen on Event Dashboards.

- **Event Dashboard (Compliance)**

Users can go to Event dashboard by following below path:

1. Menu -> Configuration -> FinOps -> Compliance -> Event Dashboard

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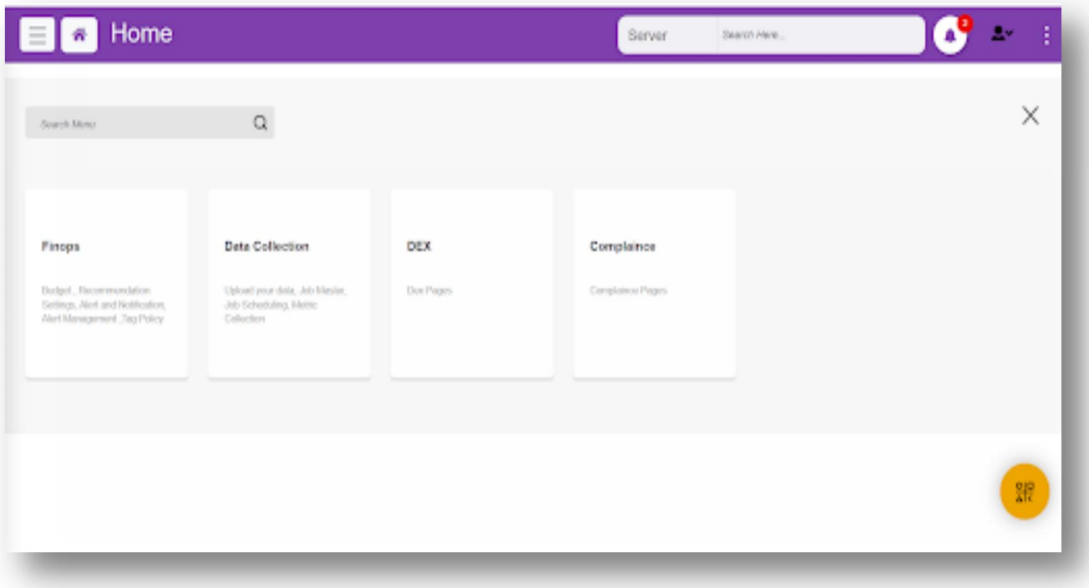

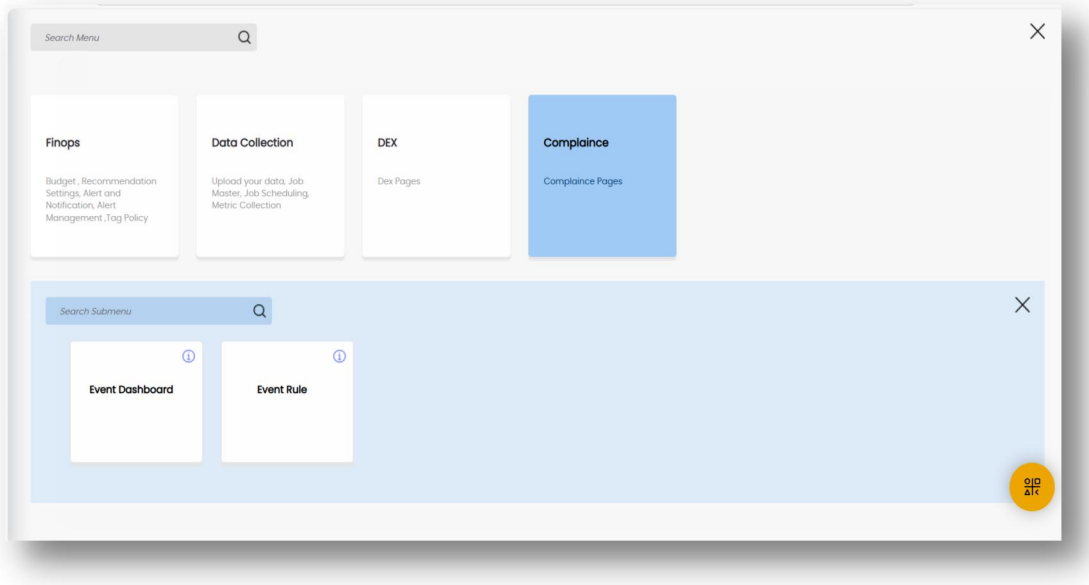

2. The Event Dashboard lists the alerts created for
   - **Eventrule configured for Compliance**
     - As soon as user clicks on Event Dashboard, user can see the below screen:

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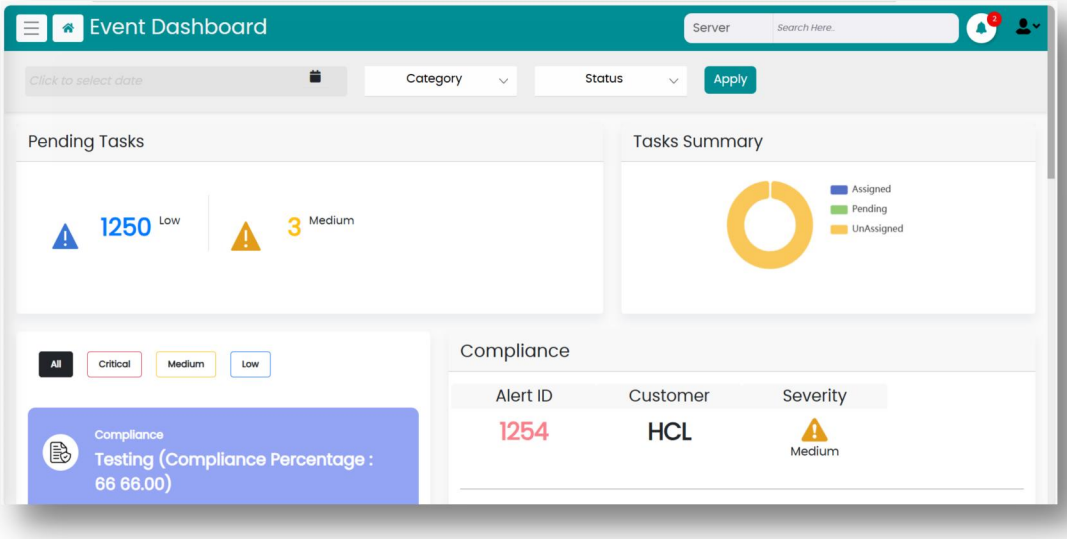
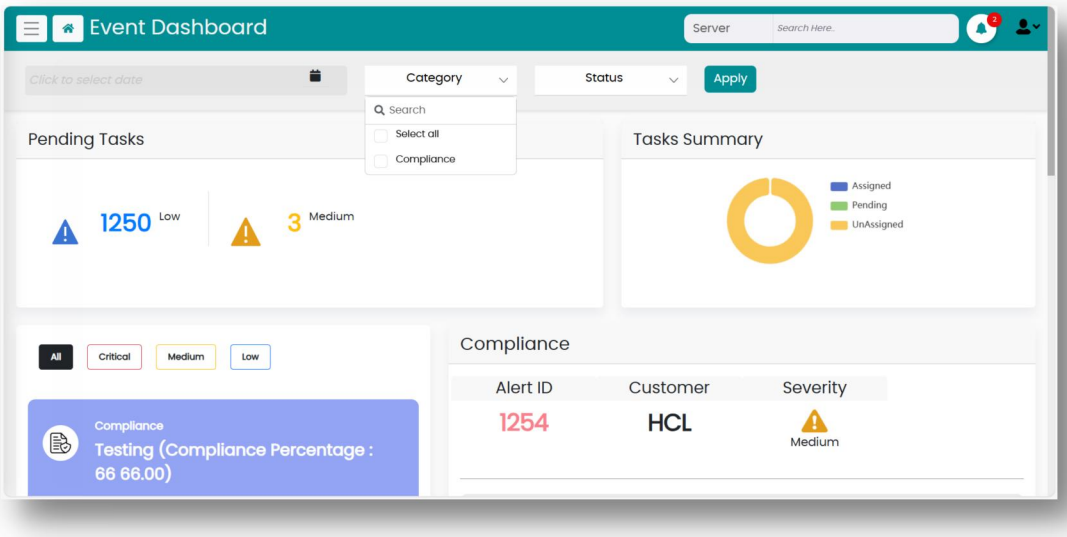


- **In this dashboard, you can have a look at the alerts which are in:**
  - Pending status severity wise.
  - Count of alerts status wise.

- **Users can filter alerts based on creation date and category:**



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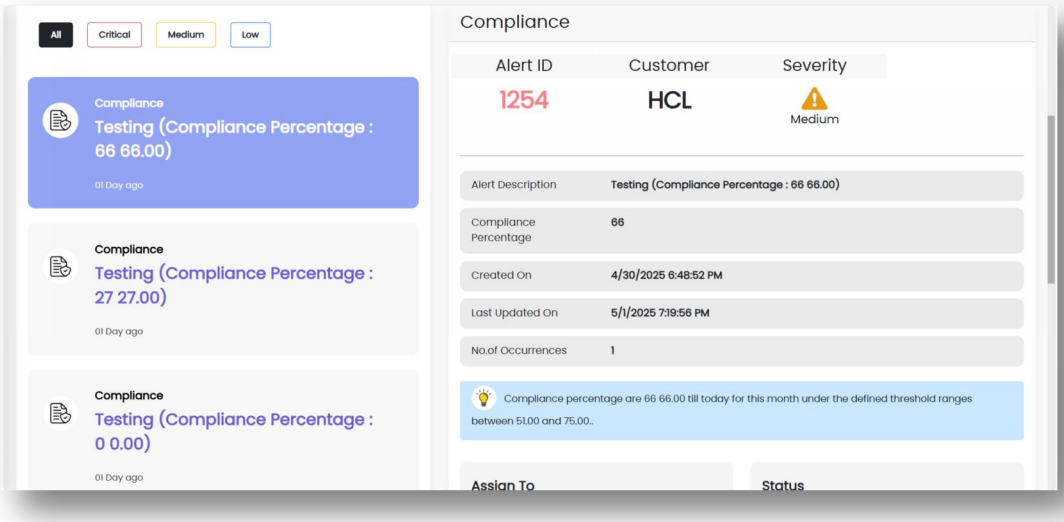
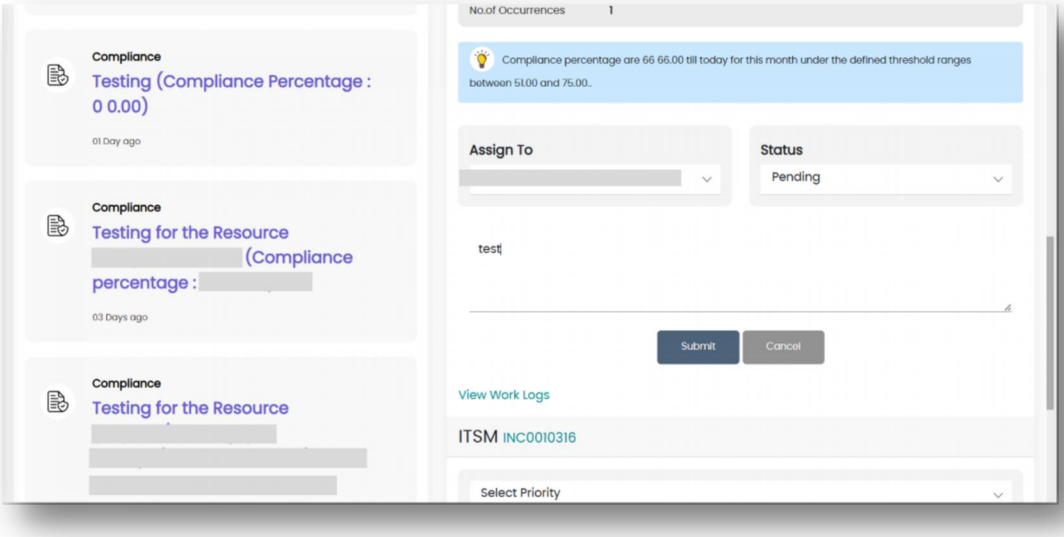


- By clicking on any alert on the left side, the details for that alert can be seen on the right-hand side as shown in the above figure.
- In the detailed view the alert can be assigned to any assignee putting some remarks.



- In the detailed view, there is a link View Work logs. This can be used to view the work logs done till date on the alert.

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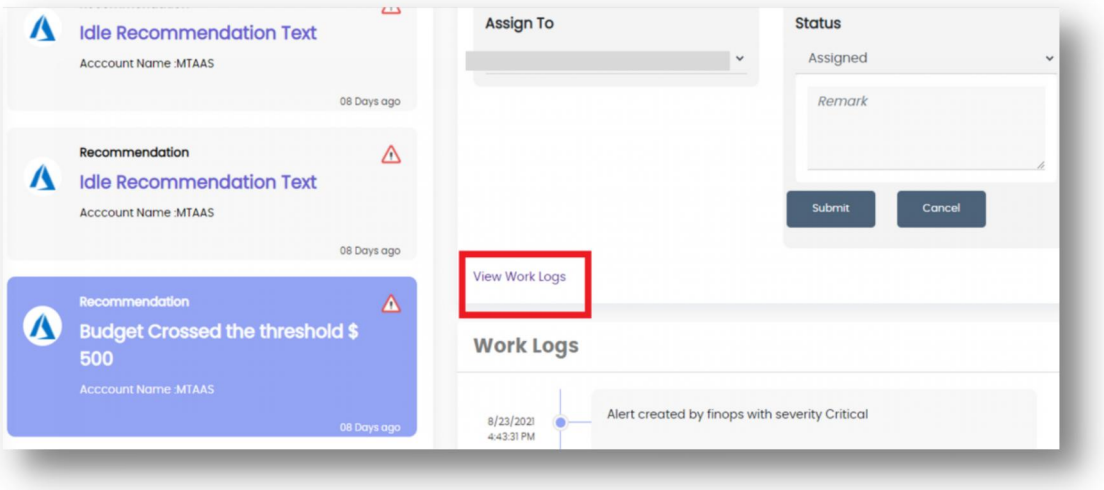
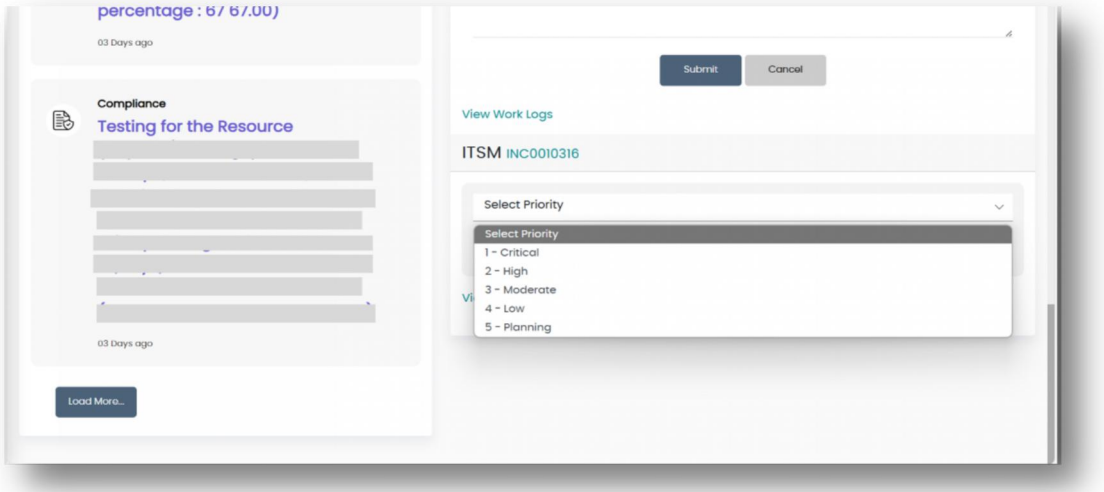


- In the ITSM section, User can create the ServiceNow ticket based on priority. Select the Priority and click on Create button.



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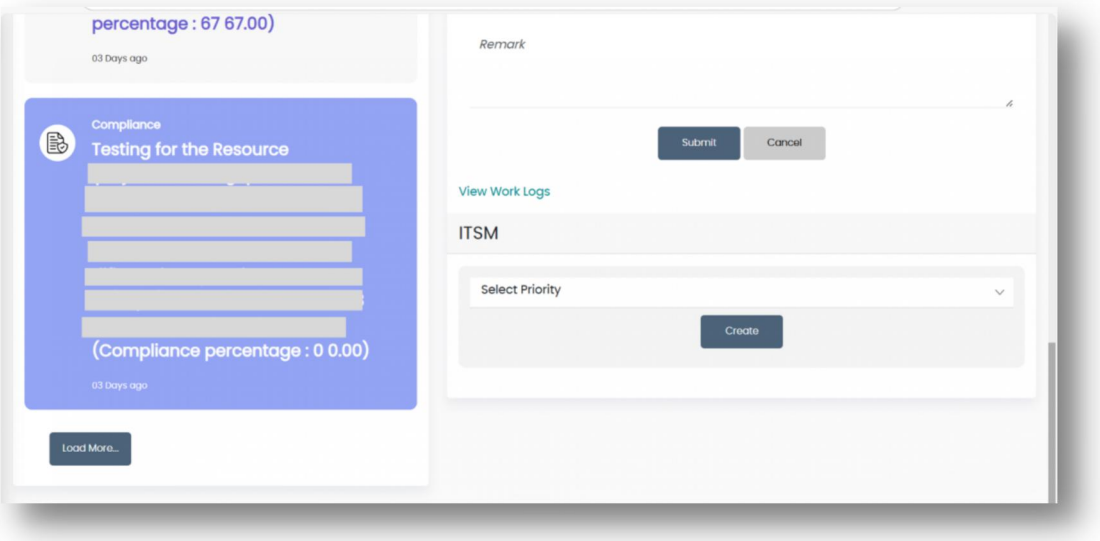

- **Compliance Alert Job**
    - **Job Details** - A new shared job created and configured for compliance alert having base job ID - B13666 and Job Name - Alerting Compliance Alert.
    - **DataSource Details** - Compliance alert job's source and destination data sources are pointed to the compliance database.
    - **JobType -** Compliance alert job is SQL Database type job.
    - **Job Parameter Details -** Compliance alert job uses email template as 'COMPLIANCEPERCENTAGE' for email sent which is set as html template in MYDB database master table.

- **Sample Email:**

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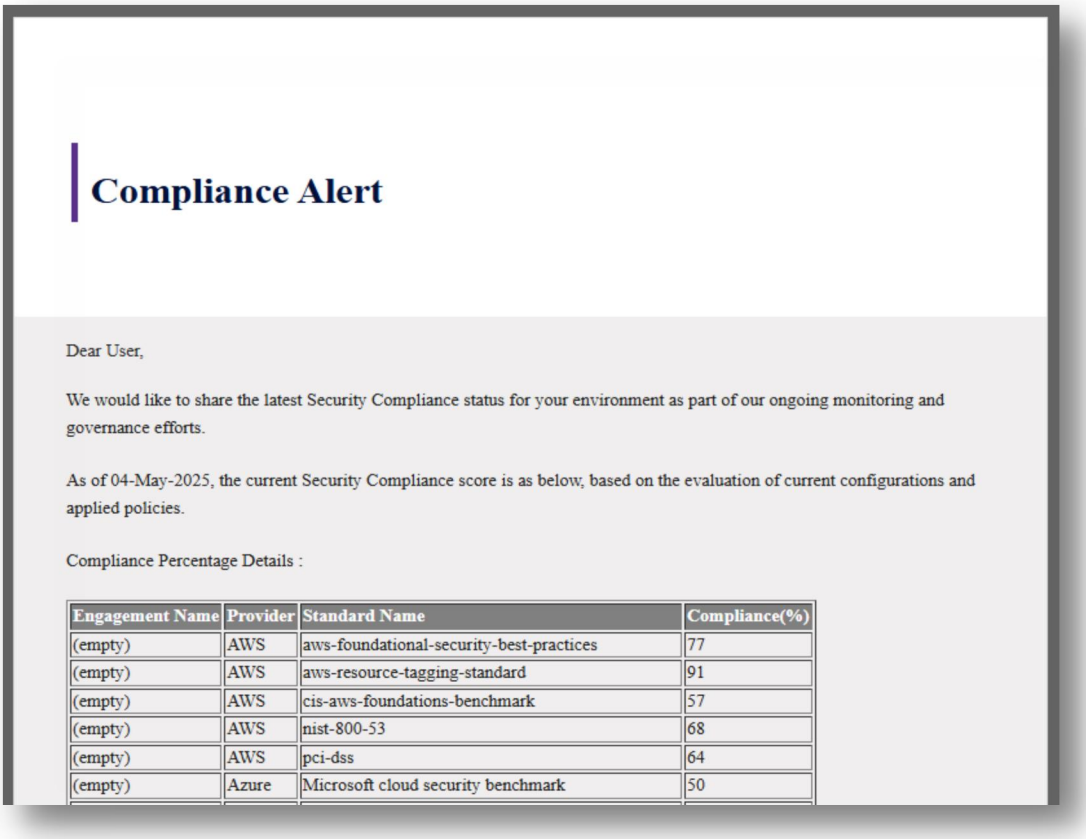


Compliance Alert

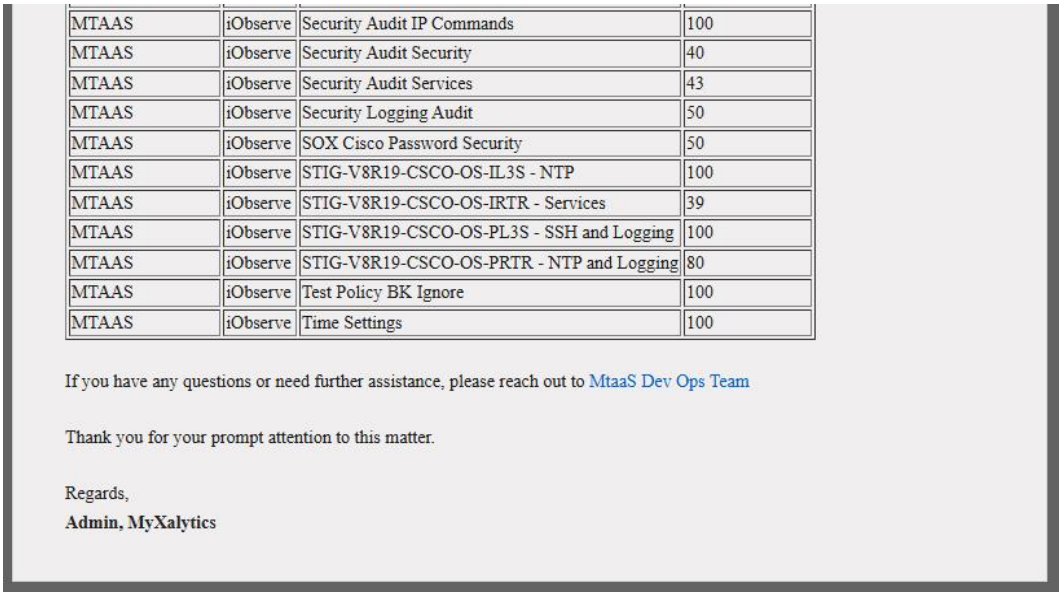
Dear User,

We would like to share the latest Security Compliance status for your environment as part of our ongoing monitoring and governance efforts.

As of 04-May-2025, the current Security Compliance score is as below, based on the evaluation of current configurations and applied policies.

Compliance Percentage Details :

Engagement Name	Provider	Standard Name	Compliance(%)
(empty)	AWS	aws-foundational-security-best-practices	77
(empty)	AWS	aws-resource-tagging-standard	91
(empty)	AWS	cis-aws-foundations-benchmark	57
(empty)	AWS	nist-800-53	68
(empty)	AWS	pci-dss	64
(empty)	Azure	Microsoft cloud security benchmark	50



MTAAS	iObserve	Security Audit IP Commands	100
MTAAS	iObserve	Security Audit Security	40
MTAAS	iObserve	Security Audit Services	43
MTAAS	iObserve	Security Logging Audit	50
MTAAS	iObserve	SOX Cisco Password Security	50
MTAAS	iObserve	STIG-V8R19-CSCO-OS-IL3S - NTP	100
MTAAS	iObserve	STIG-V8R19-CSCO-OS-IRTR - Services	39
MTAAS	iObserve	STIG-V8R19-CSCO-OS-PL3S - SSH and Logging	100
MTAAS	iObserve	STIG-V8R19-CSCO-OS-PRTR - NTP and Logging	80
MTAAS	iObserve	Test Policy BK Ignore	100
MTAAS	iObserve	Time Settings	100

If you have any questions or need further assistance, please reach out to MtaaS Dev Ops Team

Thank you for your prompt attention to this matter.

Regards,
Admin, MyXalytics

Sample Alert:

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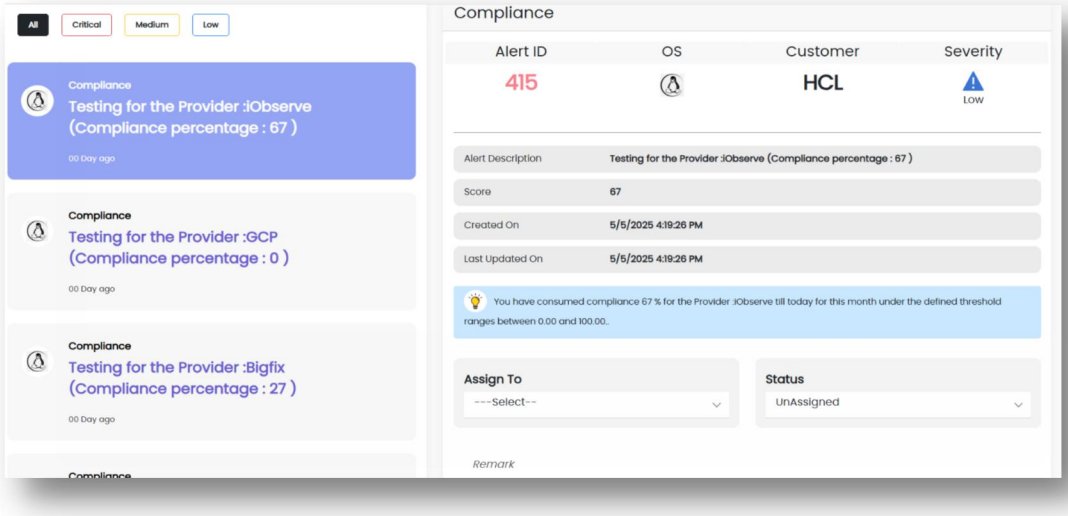

2. Enhancements: Performance Enhancements

- **DME job to import CSV files enhancement:** Users can specify the number of rows to be skipped at the beginning of the CSV file during the import process. This functionality we have enabled for AWS billed and unbilled jobs only. The system successfully excludes the specified number of rows and begins processing from the correct row. If no value is specified, the import process includes all rows by default.

Default Json-

```
{
  "TopRowsToBeRemoved": "0",
  "IsSourceQueryColumnCheck": "N"
}
```

- **TopRowsToBeRemoved:** This lets you skip a specific number of rows at the beginning of the file (e.g., to skip headers or unwanted data). It works only for AWS billed and unbilled jobs. If not set, all rows are included by default.

- **IsSourceQueryColumnCheck:** When enabled (set to "Y"), only the columns listed in the SourceQuery will be processed. You must also make sure these columns are properly mapped in the system's configuration tables.

The system logs any issues like missing or mismatched columns, and you can check logs to verify the row skipping and column filtering worked correctly.

If no value is specified, the import process includes all rows by default.

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- **ODBC DLL Integration for Oracle (MIT Licensed)**

As part of the latest DME update, we have replaced the previously used Oracle ODBC driver with a newly integrated ODBC DLL that is MIT licensed.

Key Details:

a. The new ODBC DLL enables Oracle database connectivity while complying with MIT license terms.

b. It replaces the earlier driver, which was not MIT licensed, helping ensure better license compliance and flexibility for redistribution.

c. This integration allows secure and lightweight Oracle data access within DME without requiring the full Oracle client or proprietary drivers.

Benefits:

a. Open Source (MIT License): Permits free use, modification, and redistribution.

b. License Compliance: No proprietary restrictions as with the previous driver.

c. Simplified Deployment: No external dependencies—DLL is bundled with DME.

- **AWS Recommendation Rightsizing Exclusion:**

This update introduces enhanced configuration options for excluding devices from AWS rightsizing recommendations based on KPI thresholds and logical grouping. The goal is to ensure only valid candidates are considered by filtering out consistently high/low-utilization devices.

Devices are filtered based on KPI thresholds (e.g., CPU, Memory, NetworkIn, NetworkOut) and specific conditions such as:

i. **ThresholdMetPerDay:** How many times per day a KPI crosses the threshold.

ii. **ThresholdMetDays:** How many days the threshold condition was met. Devices meeting this are excluded.

iii. **Logical Grouping:** Devices that don't meet the inclusion criteria after applying logical conditions (AND, OR) are also excluded.

This helps prevent high-usage or anomalous devices from skewing AWS rightsizing results.
Sample Flow to understand the Scenario:

Use Case:

- **Condition:** 3 times/day AND on any 5 days in last 60 days

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- **Logical KPI condition:** CPU OR MEMORY OR (NetworkIn AND NetworkOut)

KPI	Devices	Max Utilization	Threshold Met Days (Excluded)	Included Devices
CPU	D1, D2, D3, D4	30–50%	D4 (5 days exceeded)	D1, D2, D3
Memory	D3, D5, D2	30–50%	D3 (5 days exceeded)	D5, D2
Network In	D3, D7, D8	30–50%	D3 (5 days exceeded)	D7, D8
Network Out	D3, D8, D9	30–50%	D3 (5 days exceeded)	D8, D9

Intermediate Results:

- **CPU + Memory** -> D1, D2, D3, D5
- **NetworkIn AND NetworkOut** –> D8

Final Devices Selection Based on Logical KPI Condition:

- CPU OR MEMORY OR (NetworkIn AND NetworkOut)
- Final Included Devices: **D1, D2, D3, D5, D8**

- **AWS and Azure Billing File Import Optimization:**

To enhance the performance and efficiency of billing file imports, especially for large datasets, the following optimizations have been introduced:

1. **Truncate-Based Data Cleanup**
   - Replaced the traditional DELETE operation with a more efficient TRUNCATE approach for clearing temporary or staging tables.
   - This significantly reduces execution time and resource consumption during file import jobs.
2. **Dynamic Job-Specific Table Handling**
   - Job-specific tables are now created dynamically using JobID identifiers.
   - This isolation ensures that TRUNCATE operations are safe and do not affect data used by other jobs or shared processes.

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3. **Configurable via JobMaster Settings**

- A new setting has been added to the JobMaster table, IsJobIdTableCreation, with the value set to Y to enable dynamic table creation for each job.
    - IsJobIdTableCreation: Y: Ensures dynamic creation of job-specific tables for efficient truncation.
    - This setting provides flexibility to apply the optimization selectively where applicable.

Key Benefits

a. **Faster Import Times:** Especially noticeable with large AWS and Azure billing files.

b. **Lower Database Load:** Truncate operations are less taxing on the database compared to delete.

c. **Safe and Isolated Processing:** Prevents cross-job data issues through dynamic table handling.

d. **Flexible Control:** Allows admins to enable or disable the optimization on a per-job basis via the new IsJobIdTableCreation setting.

- **AppDynamics Application Nodes**

Configured job for AppDynamics to pull the data of Application Nodes for AppDynamics Events and parse and store this data in database tables. As per the requirement parser was not working for this. Same has been configured and works fine with existing parsers.

- **Logic Monitor Adapter changes:**

Change in Logic Monitor jobs configuration in AdditionalSettings to cater the “NoData” records. Based on the settings this record will be added while parsing the data. If not set then records with value “NoData” will be ignored while parsing. sample json- {"IsNoData": true,"NoDataValue":100}

- **Additional Settings Added in JobMaster:**

Additional setting option has been added in the jobmaster page to configure custom settings in DME jobs.

The additional settings will be stored as a JSON value in the **JobMaster** table.

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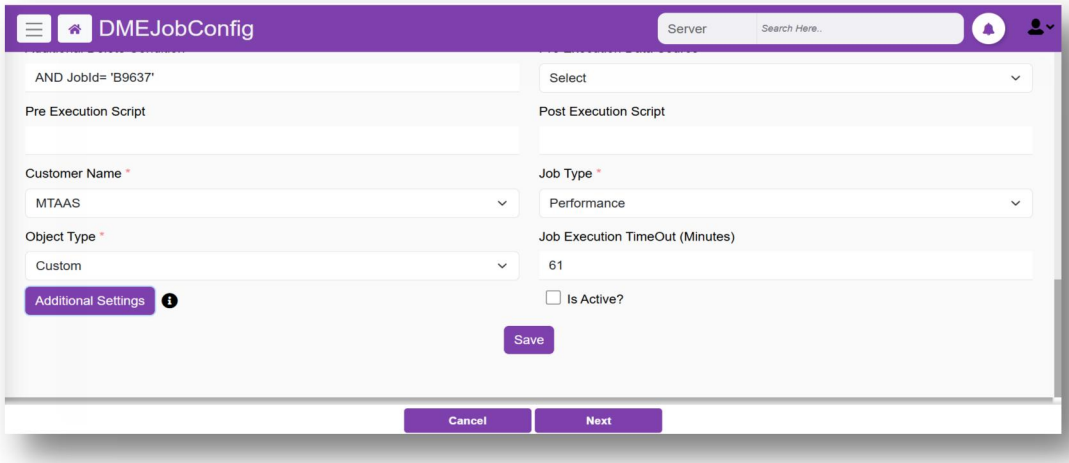

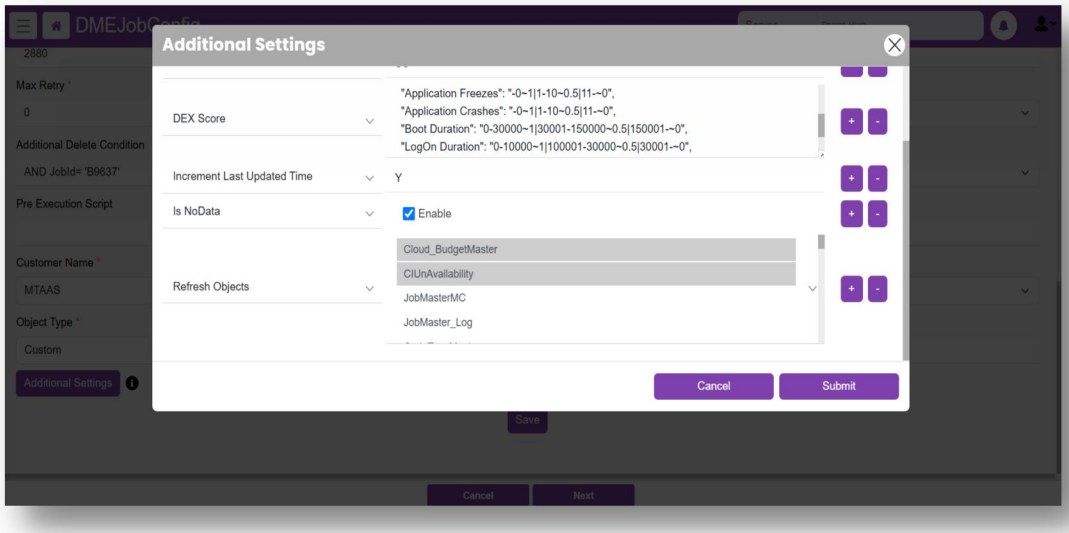

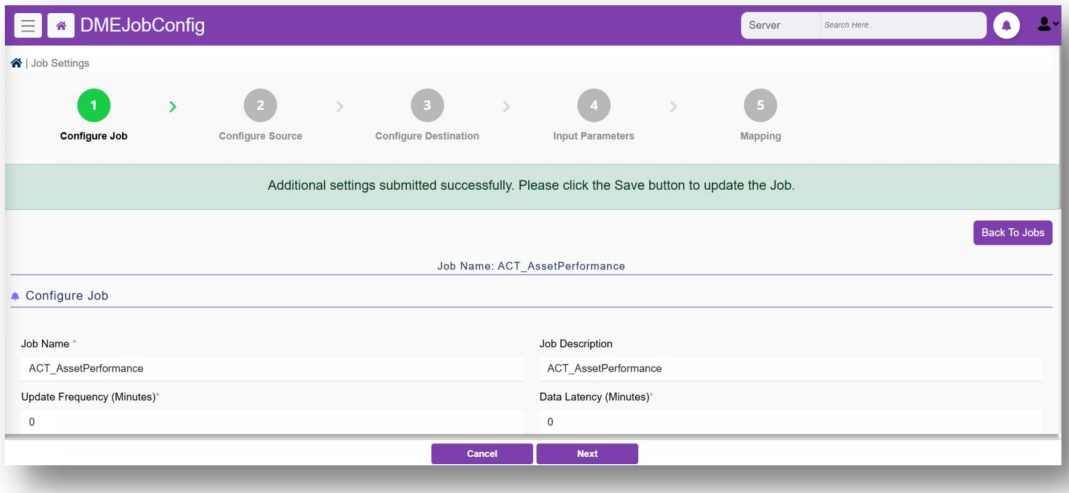

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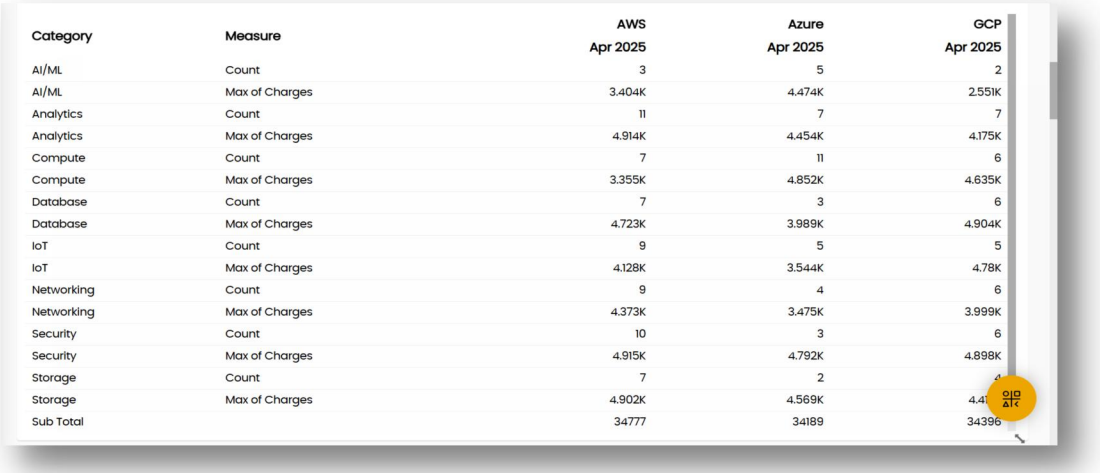
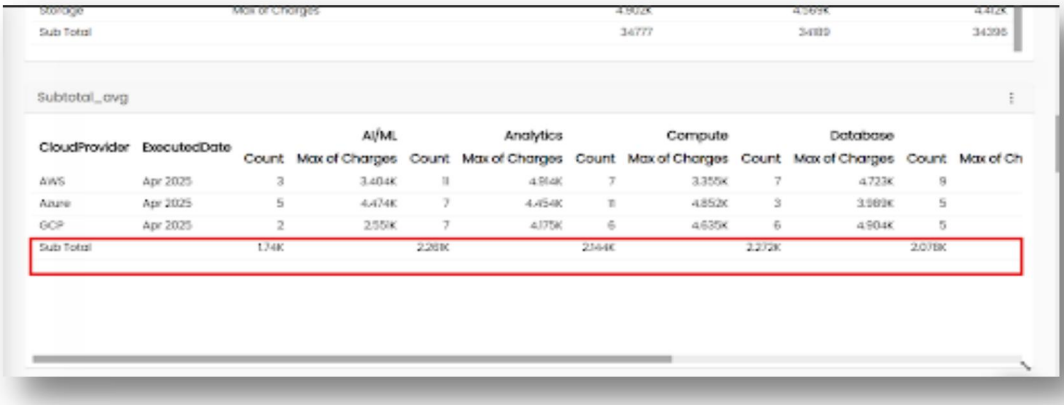
- **SubTotal Feature Added to Grid Template:**
  - The **SubTotal** feature works only when a **Pivot** value is selected by the user.
  - The **SubTotal** option is enabled when the **SubTotal** checkbox is checked.
  - SubTotal supports two operations: **Sum** and **Avg**.
  - Based on the selected operations (Sum and/or Avg), the corresponding aggregated values will be displayed under the **SubTotal** label.



Category	Measure	AWS Apr 2025	Azure Apr 2025	GCP Apr 2025
AI/ML	Count	3	5	2
AI/ML	Max of Charges	3.404K	4.474K	2.551K
Analytics	Count	11	7	7
Analytics	Max of Charges	4.914K	4.454K	4.175K
Compute	Count	7	11	6
Compute	Max of Charges	3.355K	4.852K	4.635K
Database	Count	7	3	6
Database	Max of Charges	4.723K	3.989K	4.904K
IoT	Count	9	5	5
IoT	Max of Charges	4.128K	3.544K	4.78K
Networking	Count	9	4	6
Networking	Max of Charges	4.373K	3.475K	3.999K
Security	Count	10	3	6
Security	Max of Charges	4.915K	4.792K	4.898K
Storage	Count	7	2	
Storage	Max of Charges	4.902K	4.569K	4.4
Sub Total		34777	34189	34396



Subtotal_avg

CloudProvider	ExecutedDate	AI/ML Count	AI/ML Max of Charges	Analytics Count	Analytics Max of Charges	Compute Count	Compute Max of Charges	Database Count	Database Max of Charges	Count	Max of Ch
AWS	Apr 2025	3	3.404K	11	4.914K	7	3.355K	7	4.723K	9	
Azure	Apr 2025	5	4.474K	7	4.454K	11	4.852K	3	3.989K	5	
GCP	Apr 2025	2	2.551K	7	4.175K	6	4.635K	6	4.904K	5	
Sub Total		1.74K		2.261K		2.144K		2.272K		2.078K	

- **Enhancement: Cache Clear Buttons in Universe Configuration:**

Visibility Condition: The "Clear Cache Universe" and "Clear Data" buttons are visible only if IsCacheApplicable = Y and IsUsingCacheExternalService = Y are set in the web config under CacheConfig.

a. **Clear Cache Universe:** A "Clear Universe" button is now available in the Action column of the Universe Configuration grid.

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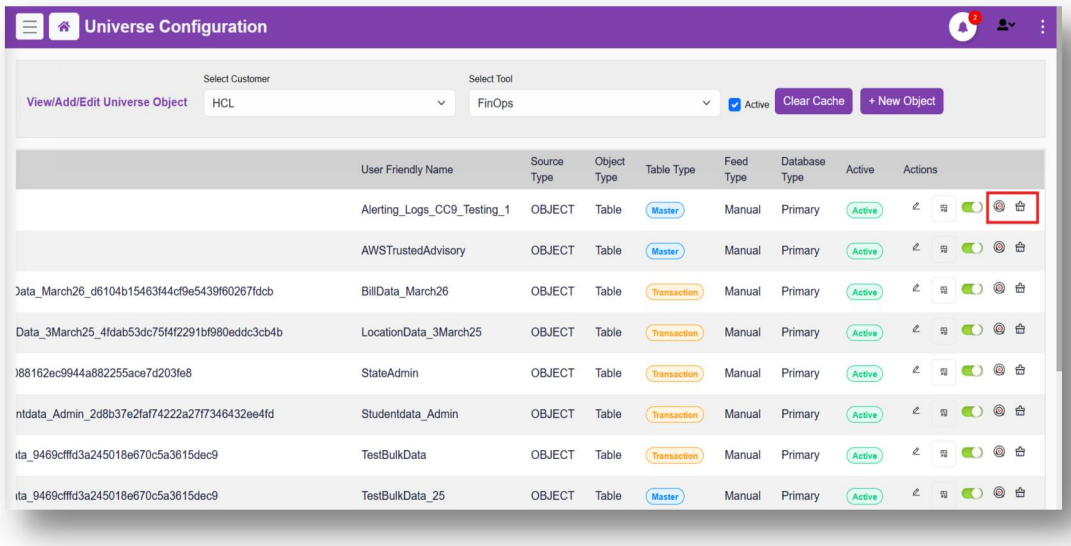
- On click, it clears cached metadata (Dimensions, Measures, Filters) for the specified DatasetID and CustomerID(EngagementID).

b. **Clear Data Cache:** A "Clear Data" button is also available in the Action column.

- On click, it clears cached data and filters associated with SaveQueryID for the specified DatasetID and CustomerID (EngagementID).
- For shared customers, it targets only the DatasetID irrespective of CustomerID (EngagementID).



- **Cache Enhancement: Cache Manager Console**
  - A new Cache Manager Console has been implemented to monitor and manage cached data, improving system performance and transparency.
  - Visible only if IsCacheApplicable = Y and IsUsingCacheExternalService = Y in web config (CacheConfig).
  - Cache will be maintained only for customers where isDataCache = 1 in the Admin_customermaster table.
  - Allows filtering by CustomerID (EngagementID) and ToolID (Database)
  - Console displays cached datasets, Shows detailed information about cached reports, and cache size for selected CustomerID and ToolID.
  - Users can clear cache for selected Dataset or all dataset for selected CustomerID and ToolID, which removes both report data and associated filter data from the cache.

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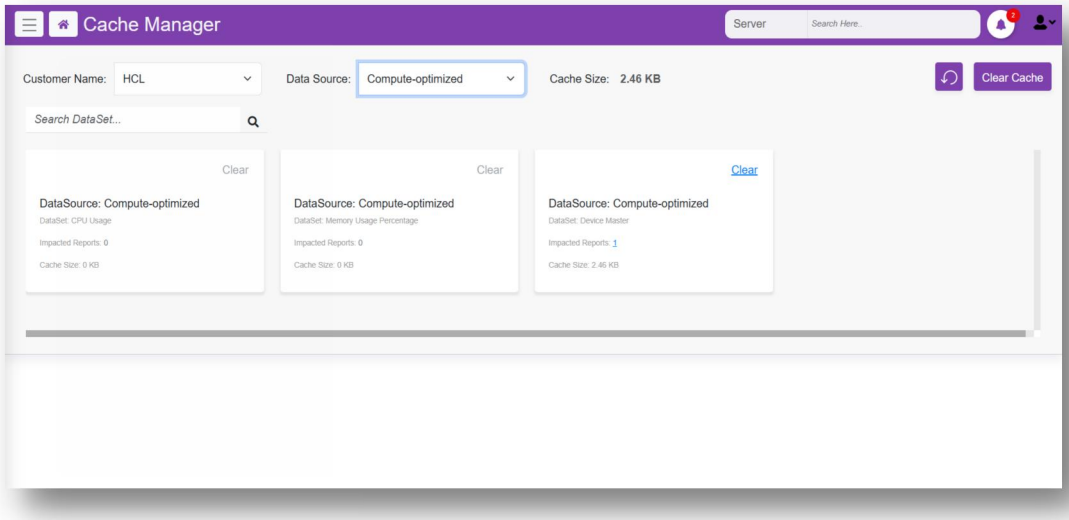

3. Configuration Settings

Cache configuration and where it should be enabled.

<CacheConfig>

<add key="IsCacheApplicable" value="Y" />

<add key="CacheExpirationTime" value="3600" />

<add key="IsUsingCacheExternalService" value="Y" />

</CacheConfig>

- **Compliance Auto Onboarding**
    - Compliance provides visibility into resource compliances on providers (Azure, AWS, GCP, BigFix & iObserve).
    - Service Connection Setup – Users can configure AWS, Azure, GCP, BigFix, and iObserve through dedicated tabs in service connection.
    - Validation & Error Handling – Mandatory fields must be validated, and incorrect credentials should show clear error messages.
    - Connectivity & Authentication Testing – System validates access and permissions before accepting configurations.
    - Job cloning & Testing - Compliance jobs will be cloned for the customer and verified jobs are running successfully.

- **Additional Settings Option in Metric Job Configuration**

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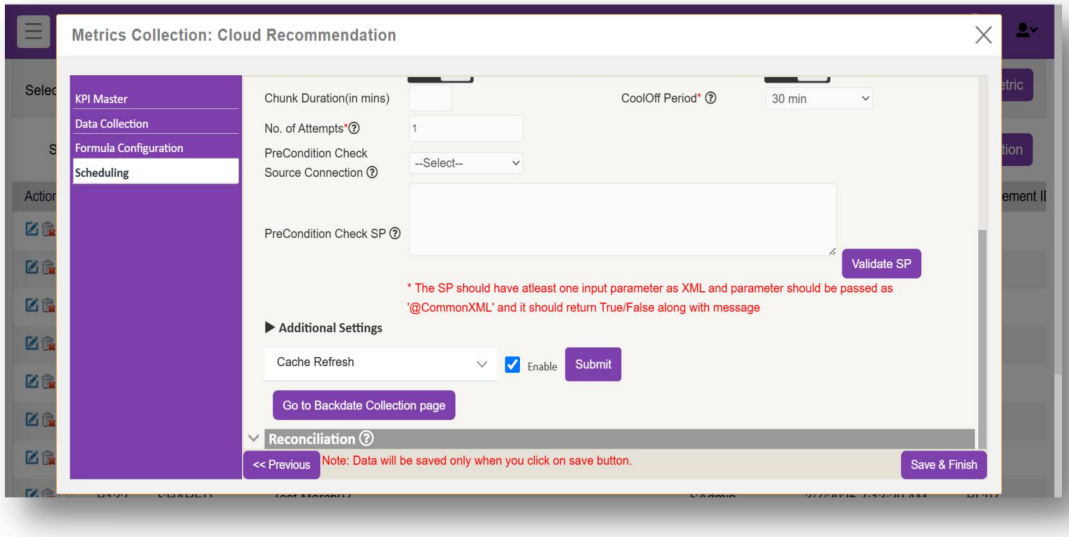
Additional setting option is added in the metric job configuration page in the scheduling tab. Right now we have only one option in additional settings dropdown. To refresh cache for a particular metric job we use this option in additional settings.

If CacheRefresh = true, then only the mentioned metric job will go for cache refresh.



A checkbox is provided to enable or disable the Cache Refresh feature. When checked, the system sets CacheRefresh: true. The Submit button saves the configuration defined under Additional Settings for the specific metric collection job. The configurations are only applied after clicking the Submit button.

After adding or updating any Additional Settings, click Save & Finish to finalize the job configuration. This action updates the selected values in the database in JSON format for that metric job in Additional settings column.

4. Security Enhancement

- Bootstrap CSS to be upgraded Bootstrap v4.0.0 to Bootstrap v5.3.3. This library has been marked vulnerable and will have a PSIRT opened against it. This change will impact overall MyXa HTML and would need a good effort from UI and MyXa developers for all modules. We might have to remove bootstrap and bring in Kendo, tailwind or something less which are less prone to vulnerabilities.

Cost Optimization Page with enhanced look

- Cost Optimization page designed with a new look and categorized into two sections:
    - KPI Configuration details
    - Filter Setting(s) (option available under metric section with setting icon as metric setting)

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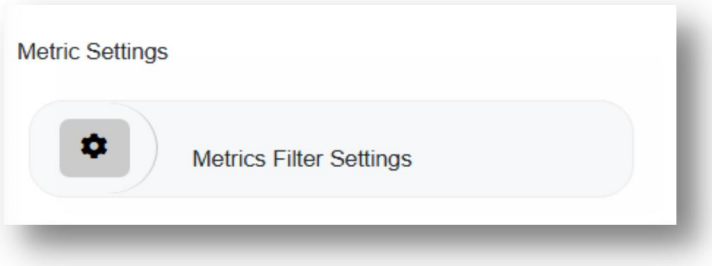
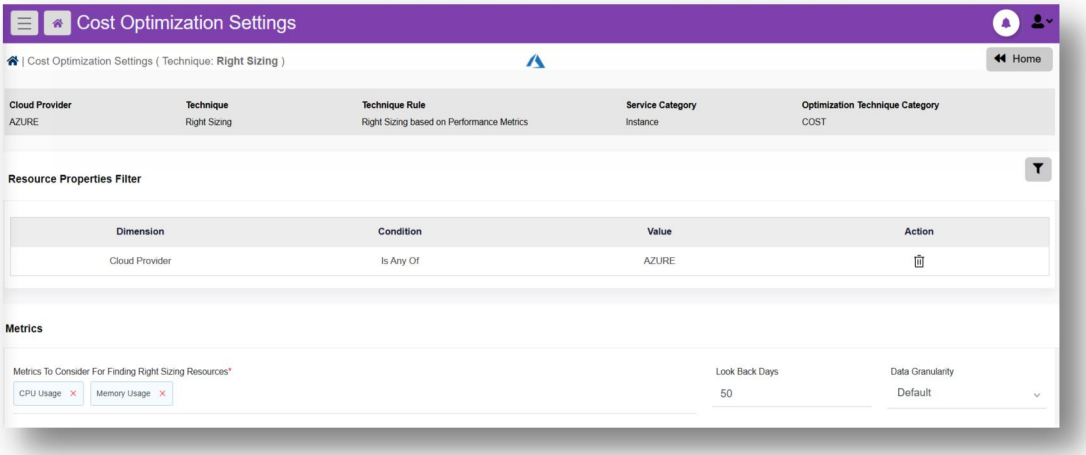
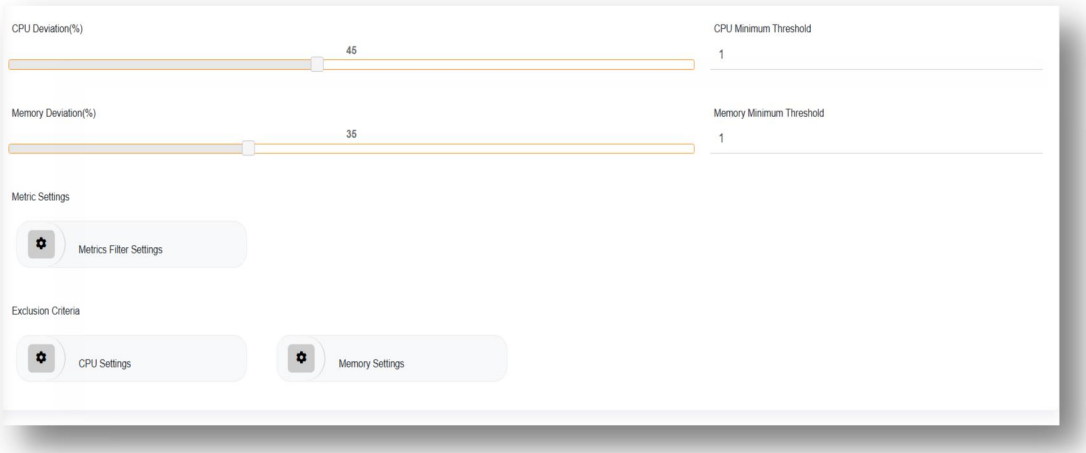


- KPI Configuration is divided into below block(s)
    - Basic Filter
    - Metrics
    - Recommendations scope

Metrics consists of metrics resources along with Metrics setting which has filter setting(s) functionalities.





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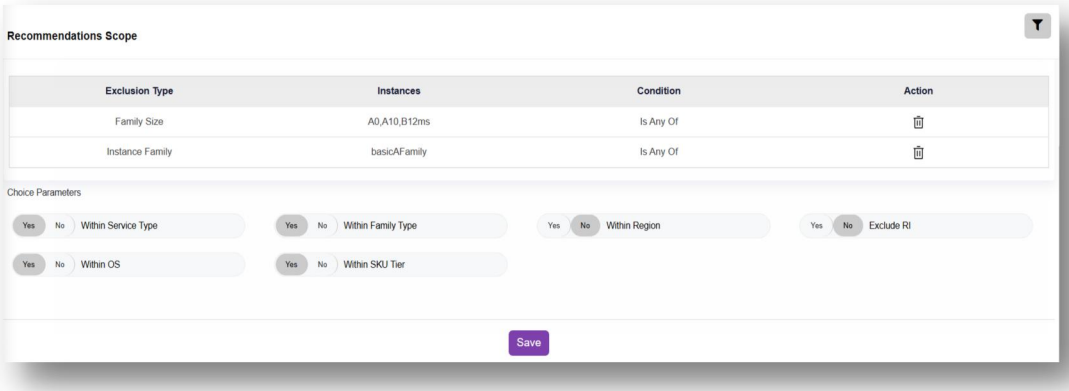

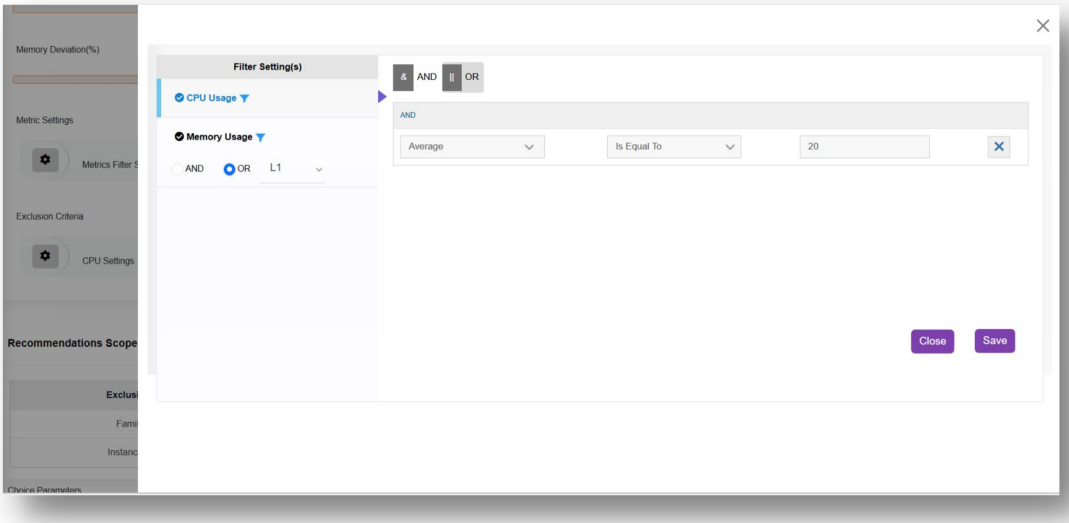

- Data granularity option added into metrics block in KPI configuration section with below option(s)
    - Default
    - Raw
    - Hourly

- Additional Threshold met day data allowed to add threshold day data w.r.t each metrics using setting icon given w.r.t. each metrics.

- On clicking each setting icon, a popup model gets open and allowed entering threshold met may data.

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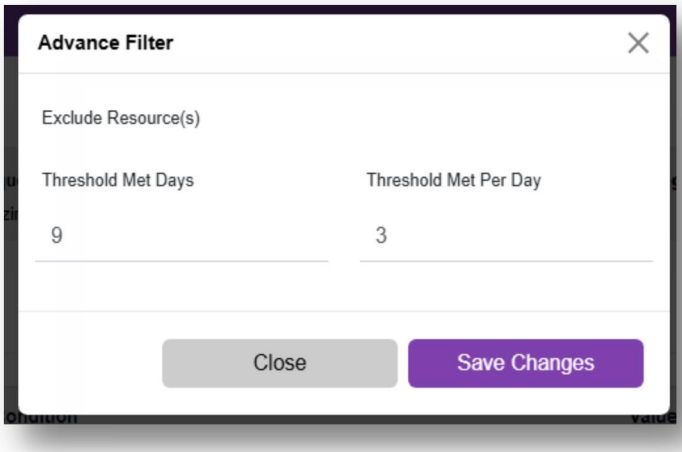
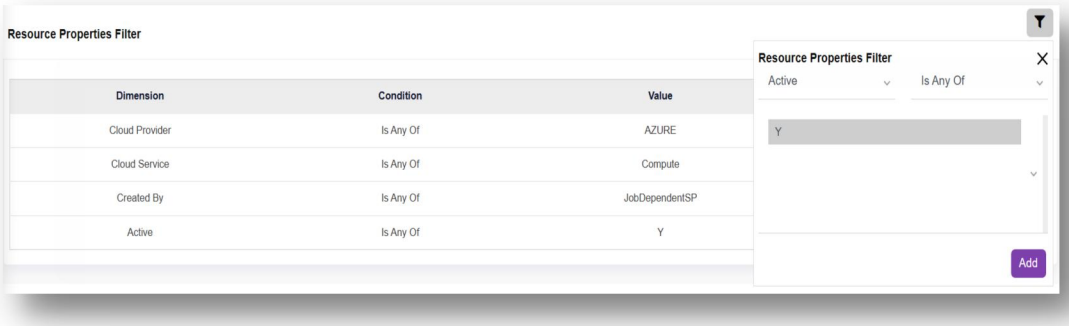
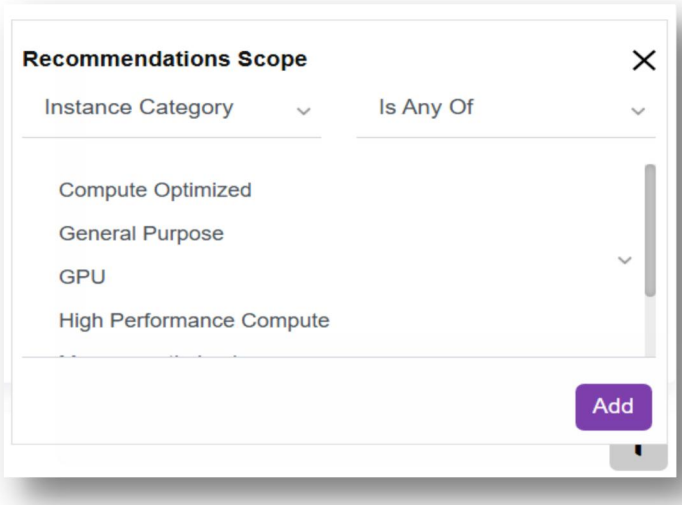


- Resource Properties Filter & Recommendations Scope having facility to add Resource Properties filter option and scope options for recommendation.





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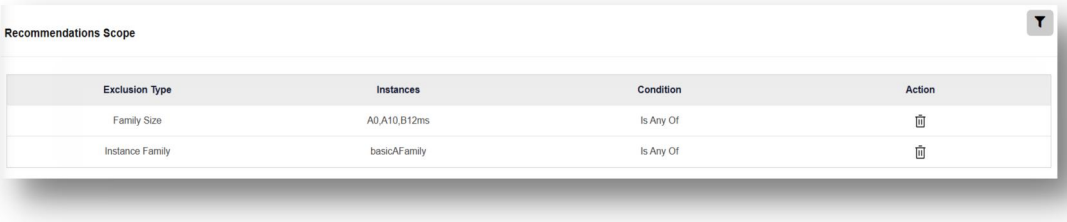
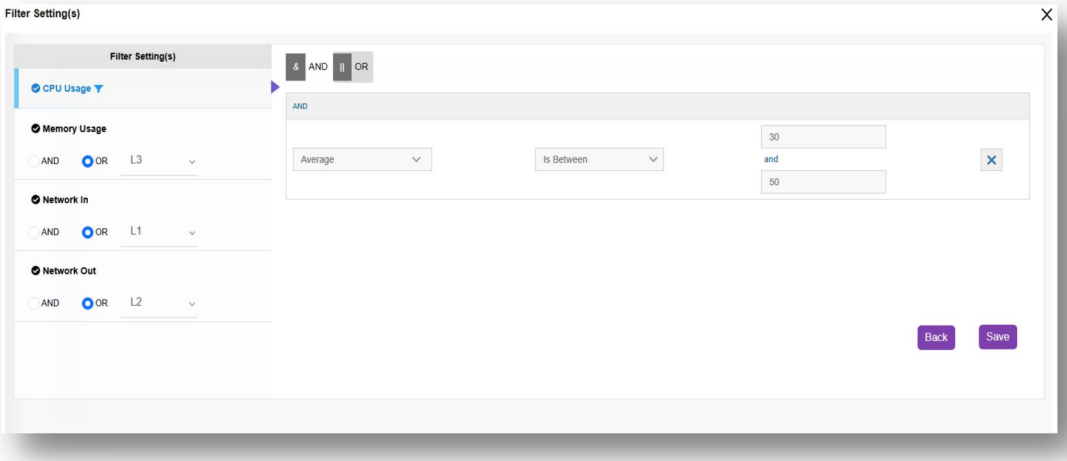


- Filter Setting(s) section has the option to set grouping of metrics using level option(s) default level option is “L1” (i.e. if the user is not setting any level option).



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Bug Fixes

Bug ID.	Description	Version
14678	Issues in score and trends reports in 6.5 |	6.5
14348	Universe Configuration Dimension Checks | 6.5 | BMS |	6.5
14350	Universe Configuration > Relation Tab | BMS | 6.5	6.5
14345	Report Cascading | v6.4.1.2 | BMS |	6.5
14685	Cascading feature not working in 6.5 |	6.5
14091	Search page autofill issue | Demo instance |	6.5
15069	Issue in Dependent SP Execution – CloudResourceGroupTag |	6.5
15068	Value cannot be null. (Parameter 'uriString') |	6.5
14330	Issue in Modifying Scorecard report | v6.4.1.2 |	6.5

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