

# HCLSoftware

HCL **HIVE** Telco Observability  
V1.0.0  
Release Notes



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## 1. Release Details

Product/Service Name	HCL HIVE Telco Observability
Version No.	1.0.0
Release Month	September 2025

## 2. Overview

HCL HIVE Telco Observability v1.0 is a next-generation observability and analytics platform that delivers an integrated solution for infrastructure monitoring, operational management, event and log correlation, advanced reporting, and FinOps-driven analytics. Built on a unified interface, HIVE Telco Observability empowers users with powerful automation, comprehensive visibility, security, and deep AI-powered insights for optimizing both operational health and cloud resource utilization.

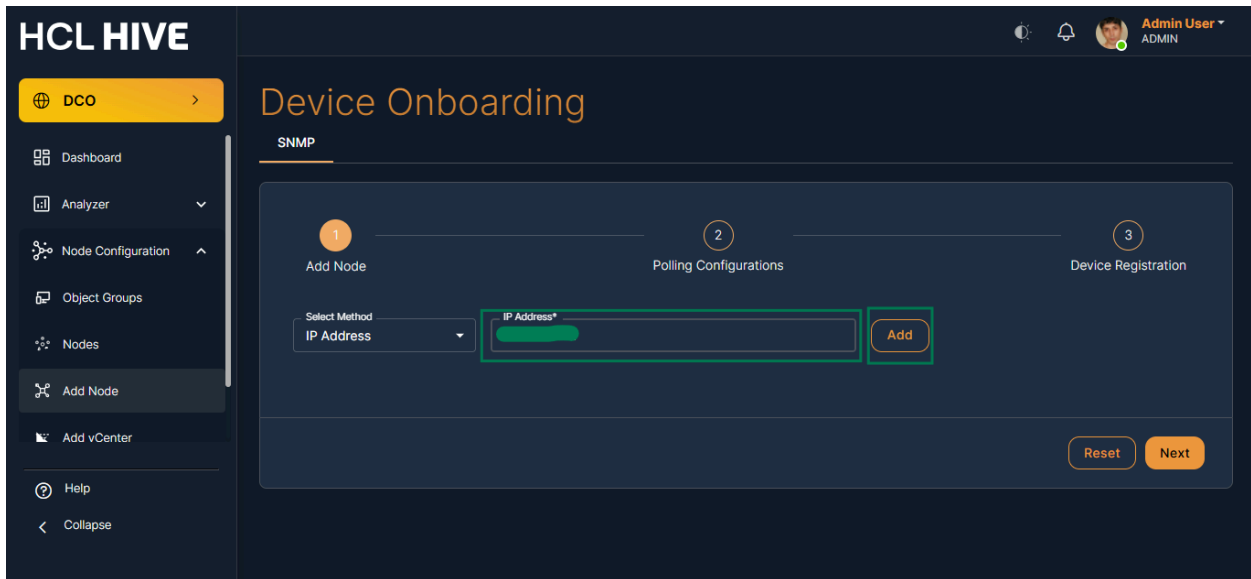
For our initial release, the key features are:

- **Infrastructure Observability:** Gain deep visibility into your infrastructure with a comprehensive platform that supports node management, template configuration, event and log correlation, maintenance windows, and more.
- **FinOps:** Optimize and manage your cloud spending with a unified solution designed to track costs across multi-cloud environments.
- **Report Builder:** Easily create powerful, customized reports with our advanced query builder, designed to handle even the most complex requirements.
- **AI Insights:** Summarize complex reports and gain further insights with just a click, enabling faster data driven decisions.
- **Security:** Offers high degree of security capabilities including RBAC, feature based permissions, keycloak authentication etc.

## 2.1. Core Platform Features

### 2.1.1. Nodes Onboarding

Easily onboard diverse infrastructure devices into the platform using manual methods such as single IP input and file uploads. The system employs SNMP polling for device discovery, making it highly adaptable for onboarding in varied environments, from small clusters to large-scale distributed networks.



### 2.1.2. vCenter Onboarding

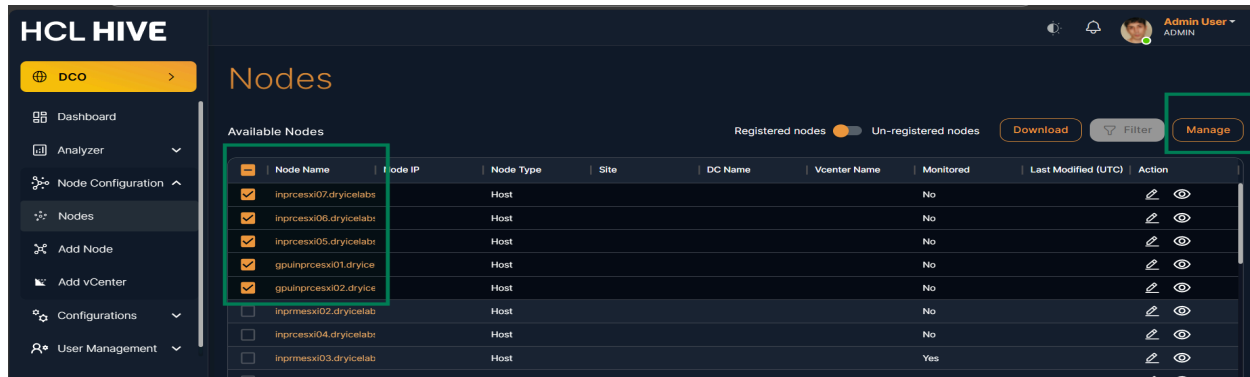
Facilitates smooth onboarding of VMware vCenter instances. SNMP collectors are leveraged to automatically discover resources and gather key performance metrics, enabling visibility into the virtual infrastructure from day one.

### 2.1.3. Bulk Node Onboarding

Accelerates device onboarding by enabling the addition of multiple nodes at once via SNMP-based polling.

### 2.1.4. Node Management

Enables powerful bulk actions such as assigning threshold templates to multiple nodes, updating metadata (site, cluster, datacenter, geography, tags), and exporting node information. Advanced filtering allows users to manage monitoring status across a range of attributes (site, OS type, node type), making operational control seamless even in complex, distributed setups.



### 2.1.5. SNMP Monitoring – Direct Integration

Directly monitors Windows and Linux VMs (including those in containerized setups) by collecting essential KPIs: CPU, memory, disk, and network utilization. Node-level monitoring insights are available for proactive issue resolution.

### 2.1.6. Rule-Based Event Correlation

Automates incident detection through configurable, rule-based event correlation. Users can define sophisticated detection rules with conditional pattern matching, scheduling, and timing windows. Incidents are enriched with root cause analysis and resolution guidance, offering visibility into raw events, correlated incidents, and deduplicated alerts for deeper context and faster problem-solving.

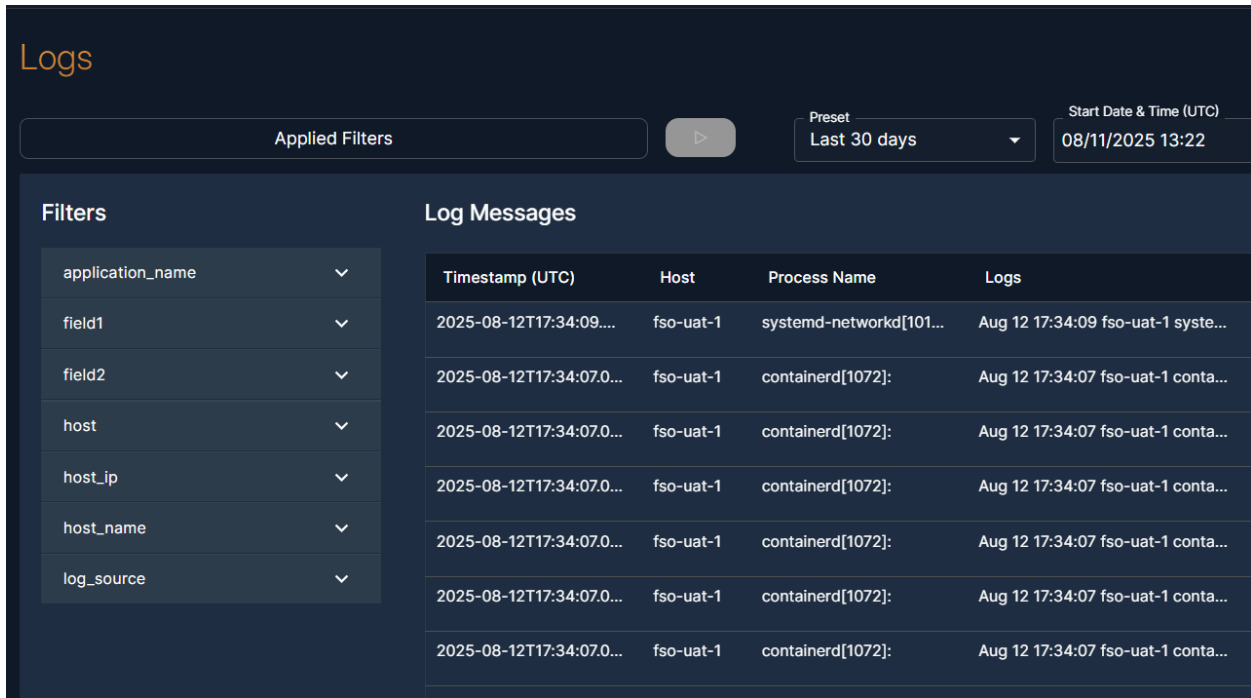
The screenshot displays the 'Rule Configuration' interface. At the top, there are three tabs: 'LOG TYPE', 'DETECTION RULES' (which is selected and underlined), and 'DETECTORS'. Below the tabs, a note states '\* Indicates required fields'. The 'Basic Details' section contains the following fields:

- Rule Name \***: A text input field with a red asterisk. Below it, a note reads: 'Rule name must contain 5-50 characters. Valid characters are a-z, A-Z, 0-9, hyphens, spaces, and underscores'.
- Type \***: A dropdown menu with a red asterisk and a '+' icon in a circle to its right.
- Description \***: A large text area with a red asterisk. Below it, a note reads: '200 characters max.'.

Below the 'Basic Details' section, the heading 'Query Matcher 1' is visible, followed by a dark grey rectangular area.

### 2.1.7. Log Management – Log Visibility

Empowers full-stack log monitoring by supporting manual deployment of Fluent Bit on target VMs. Real-time log collection and visualization help teams quickly identify and resolve issues, enhancing overall observability.

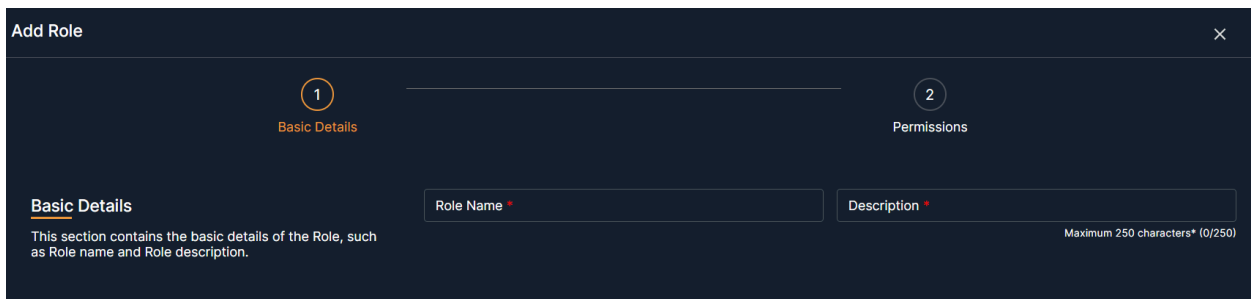


### 2.1.8. Rule-Based Logs Correlation

Extends intelligent incident detection to logs, using conditional pattern matching and scheduled evaluations. Log incidents are grouped, correlated, and enriched with RCA information, allowing rapid identification and remediation of problems exposed via log analytics.

### 2.1.9. RBAC System

Provides unified onboarding and management of predefined system objects (such as VMs), object groups, users, roles, modules, and features. Robust RBAC ensures security and governance, enabling granular control over user permissions, access rights, and actions across all platform modules.



### 2.1.10. Maintenance Window

Administrators can define and manage maintenance windows through flexible, one-time or recurring rule configurations. Rules can be applied to individual nodes, groups, or via bulk upload. During maintenance periods, data collection continues uninterrupted, but event and alert generation is suppressed, eliminating noisy false positives.

Maintenance Window Configuration

All Rules + Add Rule

Rule Name ↑	Activity Details ↑	Schedule Type ↑	Rule For ↑	Start Date ↑	End Date ↑	Actions
Power Shut D...	192	One Time	Nodes	2025-07-23 14:20:00.000	2025-07-23 14:25:00.000	🗑️
Maintenance ...	fso-imm	One Time	Nodes	2025-07-23 14:15:00.000	2025-07-23 14:25:00.000	🗑️
10.222.2.152	10.222.2.152	One Time	Nodes	2025-08-19 11:55:00.000	2025-08-19 12:25:00.000	🗑️
10.222.2.158	10.222.2.158	One Time	Nodes	2025-08-19 14:05:00.000	2025-08-19 14:15:00.000	🗑️

### 2.1.11. Template Configuration

Offers centralized management of advanced threshold configurations, including manual and dynamic threshold management.

Add Threshold Template

Basic Details

Template name \*

Template Description \*

Maximum character 250

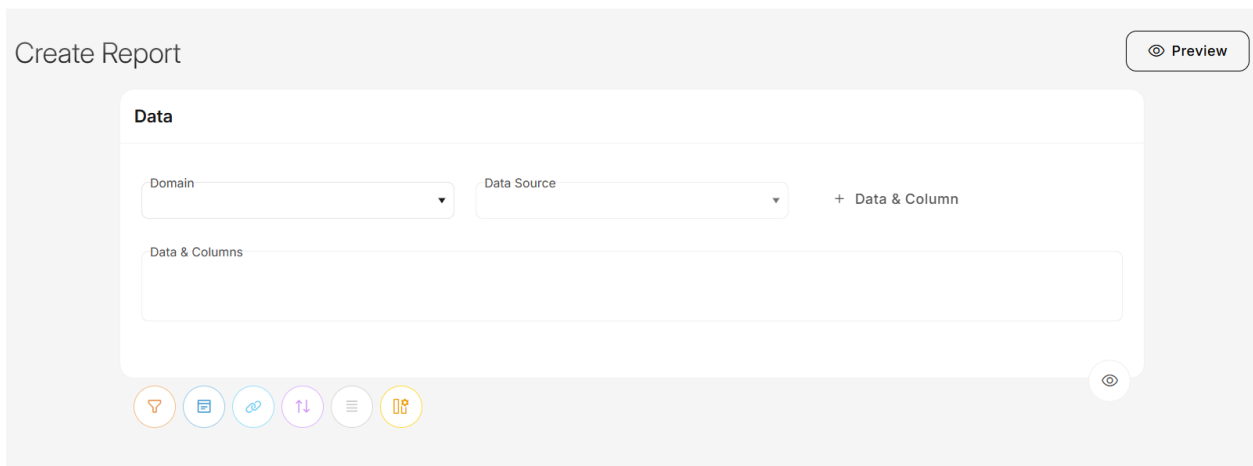
List KPI For \*

Condition 1 Severity ▾ × Delete

## 2.2 Reporting Platform Features

### 2.2.1. Query Builder

A flexible, module-based reporting engine that lets users create complex reports. It supports custom columns, functions, and joins, enabling advanced analysis. Drill-down and drill-through functionalities facilitate deeper investigation and provide tailored report views as needed. Also, supports capabilities to edit a report and add it to a new or existing dashboard.



### 2.2.2. Dynamic Dashboard

Enables creation, editing, and personalization of dashboards including option to resize or rearrange. Includes a quick-access homepage and drag-and-drop rearrangement of reports. Dashboards can be exported in multiple formats, such as XLS, PDF, CSV, and JPG. Global and time-based filters ensure reports are both contextual and actionable.

### Create New Dashboard ✕

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**Save Dashboard**  
Easy to access, share, and review later

Dashboard Name

Global  Personal

---

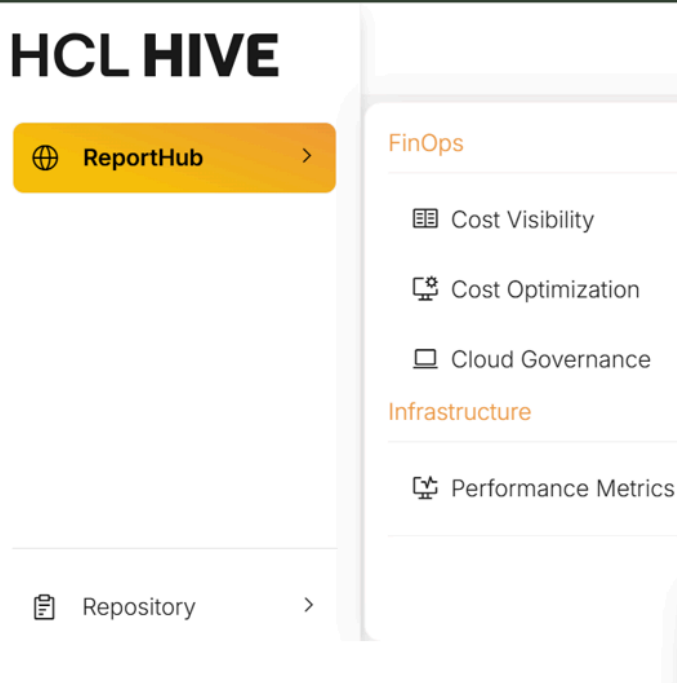
**Domain**  
Select the domain where this Dashboard go in

Domain

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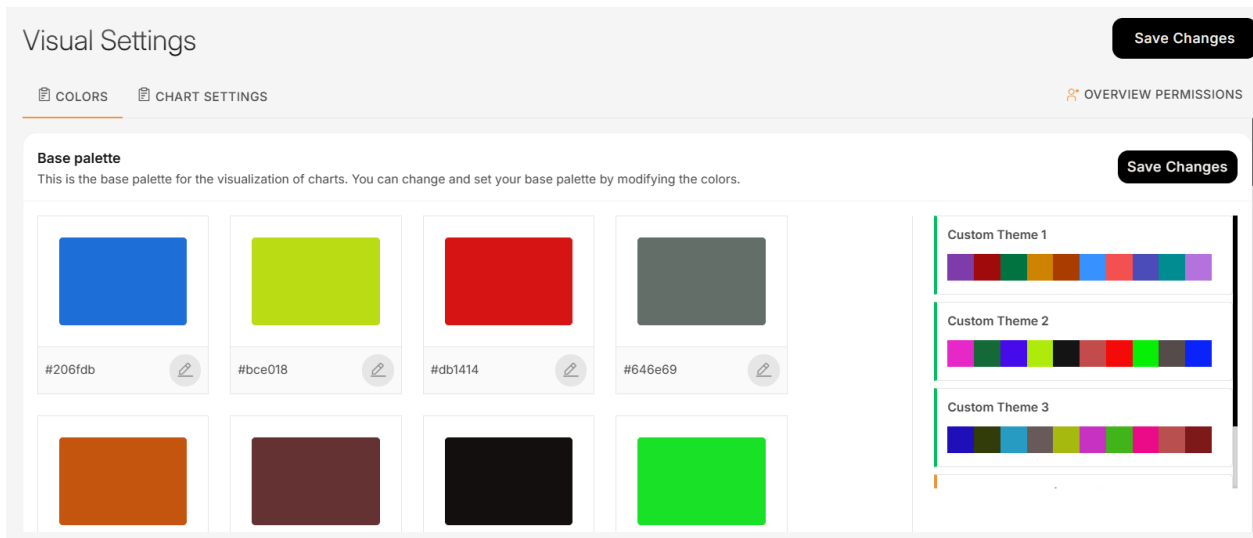
**Repository**  
Select the repository where this Dashboard go in

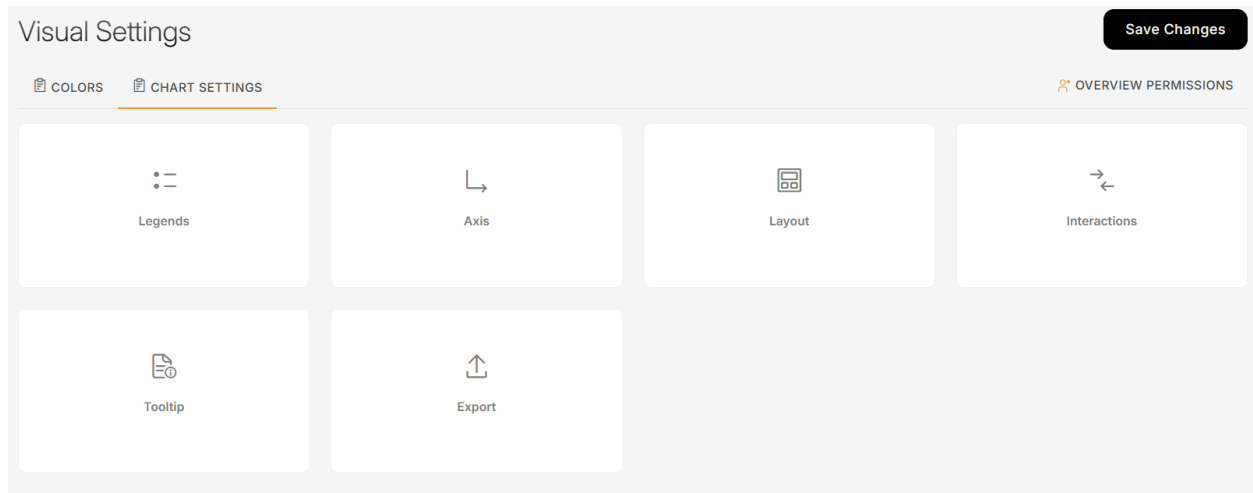
**2.2.3. Report Repository:** Acts as a report catalogue enabling users to quickly navigate to specific reports.



### 2.2.4 Visualization & Reports

Supports a wide variety of chart types, including bar, line, pie, table, gauge, heatmap, tree, sankey, and map charts. Real-time report preview, data conditionality, customizable color palettes, and chart settings let users tailor the visual output to their analytic and branding needs.





### 2.2.5. Dark/Light Mode UI & Accessibility

Personalize the user experience with dark and light mode options. Toggle between the modes via a single click.

### 2.2.6. Authentication Integration

Reporting platform authentication is integrated with the core Keycloak module. Capabilities, access rights, and domains are configured at the authentication level for secure, role-based authorization.


## 2.3. Gen AI Features

### 2.3.1 Report Summarization

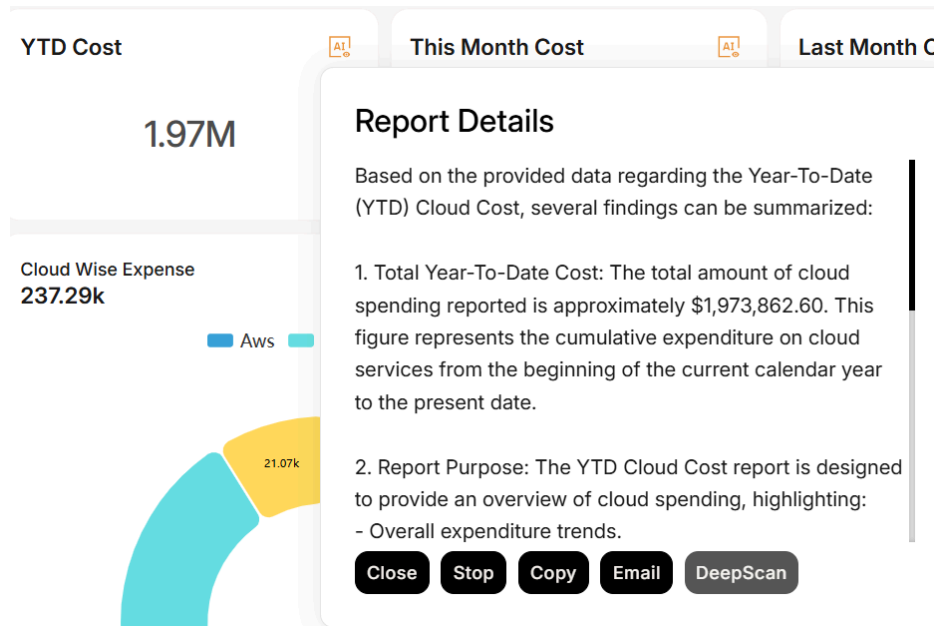
A breakthrough capability that automatically analyzes report widgets and produces concise, natural-language summaries of chart data. AI interprets graph/chart data, detects trends, anomalies, and insights, and generates readable summaries directly embedded with the reports.

# Executive Summary

 Subscription

YTD Cost 

1.97M



### 2.3.2. Report DeepScan

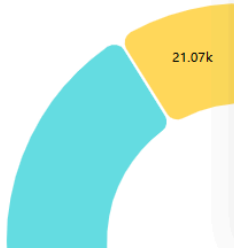
An advanced AI-powered feature for enhanced report analysis and insight generation. It leverages AI algorithms to suggest additional queries, highlight trends and anomalies, and drive deeper data exploration. DeepScan recommends new KPIs tailored to specific datasets and business contexts, providing alternative perspectives on performance. It offers core benefits to users such as time saving, improved decision-making, uncovering hidden insights, and enhancing analytic speed and quality through continuous, automated intelligence.

YTD Cost

1.97M

Cloud Wise Expense  
237.29k

Aws



This Month Cost



Last Month C

### Report Details

Based on the provided data regarding the Year-To-Date (YTD) Cloud Cost, several findings can be summarized:

1. Total Year-To-Date Cost: The total amount of cloud spending reported is approximately \$1,973,862.60. This figure represents the cumulative expenditure on cloud services from the beginning of the current calendar year to the present date.
2. Report Purpose: The YTD Cloud Cost report is designed to provide an overview of cloud spending, highlighting:
  - Overall expenditure trends.

Close

Stop

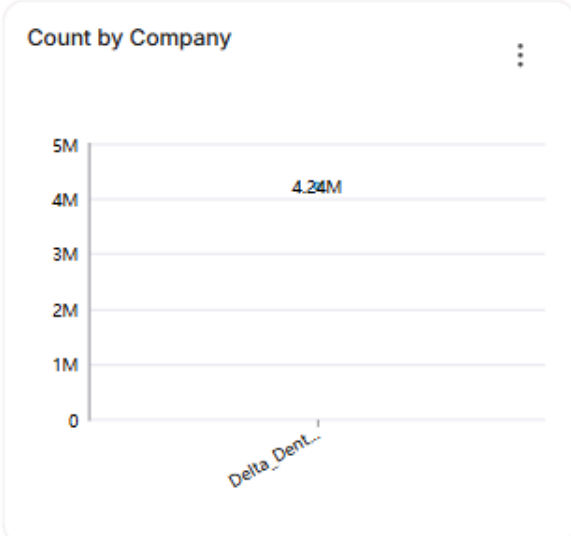
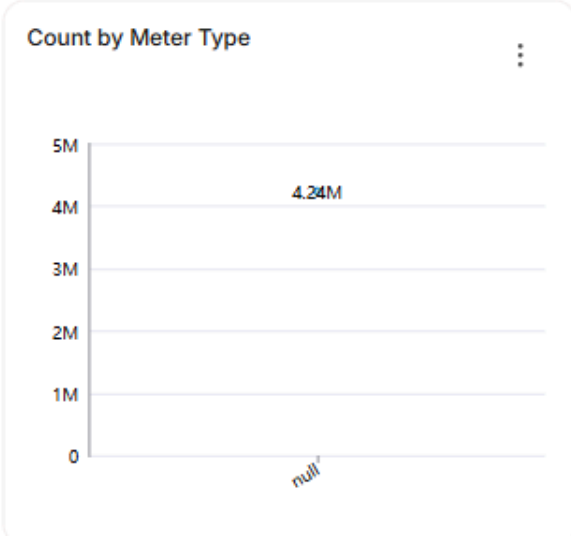
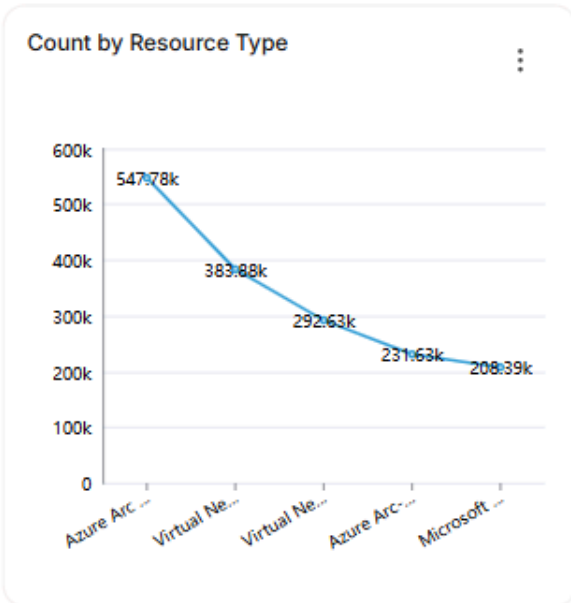
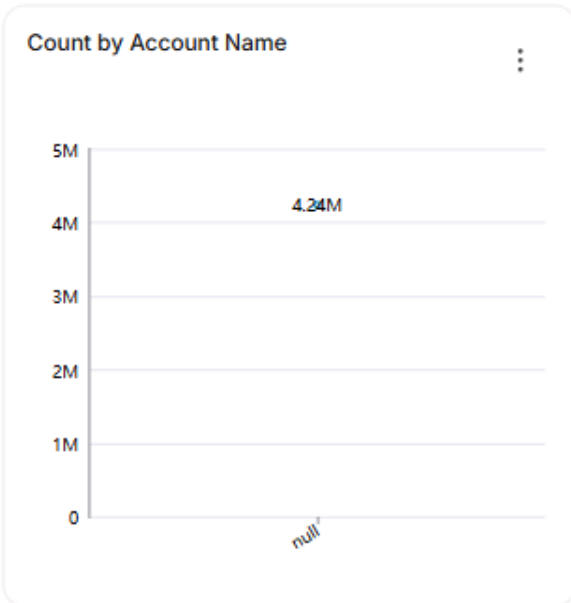
Copy

Email

DeepScan

### DeepScan

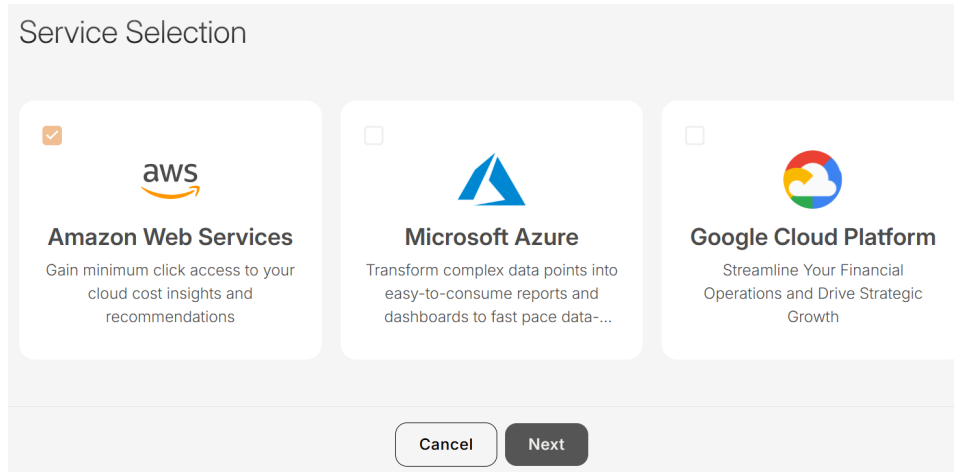
Deepdive data of Ytd Cost report based on AI Analytics



## 2.4. FinOps Features

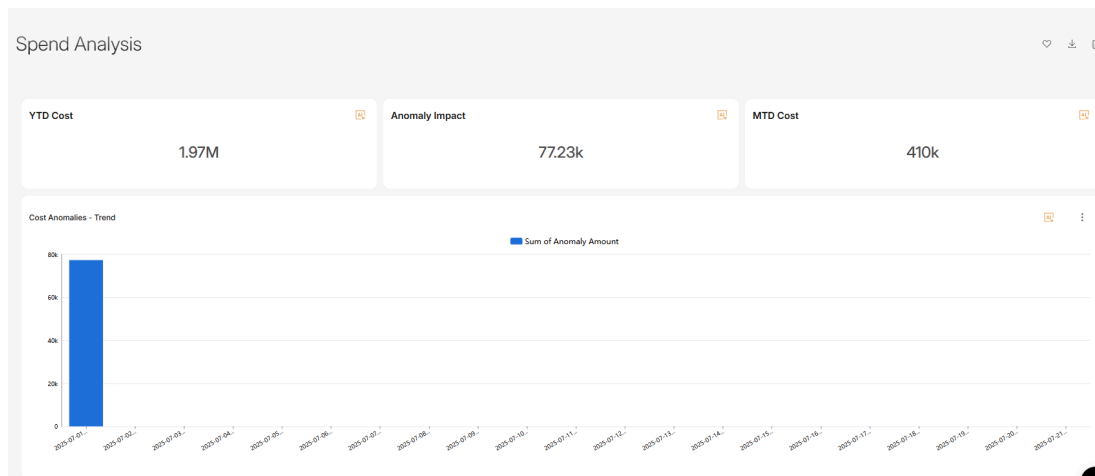
### 2.4.1. FinOps Onboarding

Streamlines the onboarding and configuration of FinOps tenants. Guided workflows make it easy to integrate cloud financial operations, enabling customers to start optimizing costs quickly.



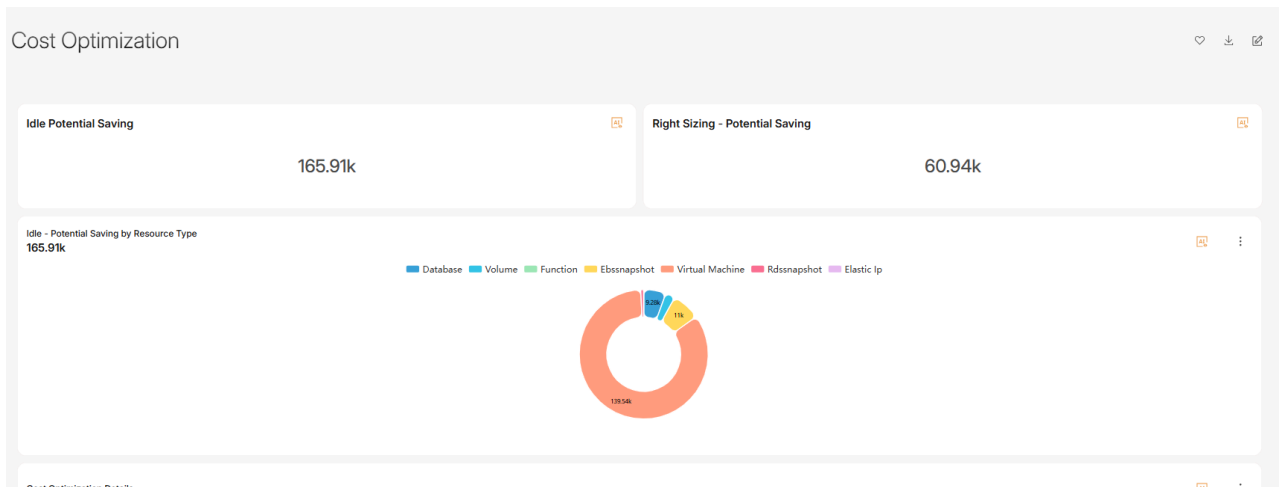
### 2.4.2. Cost Visibility

Delivers granular, multi-cloud cost reporting (AWS, Azure, GCP) for continuous spending analysis. Tracks usage trends and cost drivers to support strategic financial management.



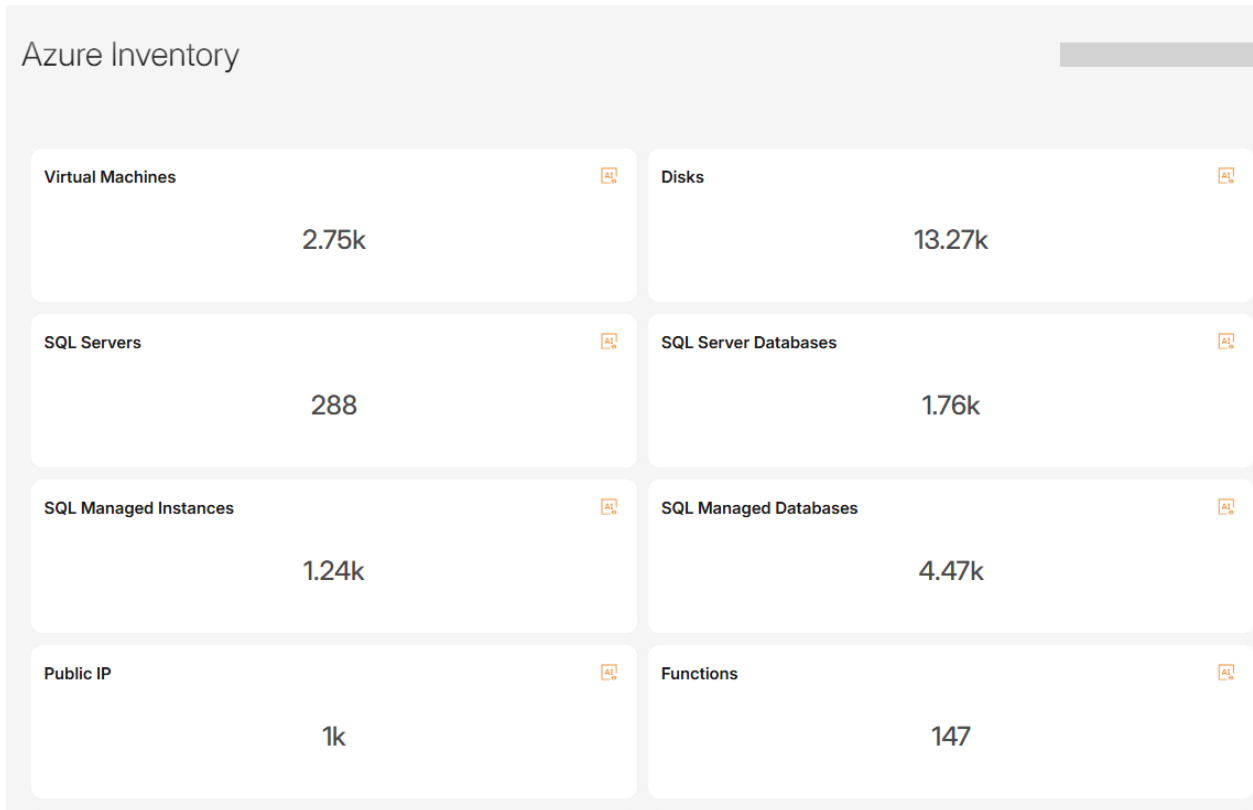
### 2.4.3. Cost Optimization

The Cost Optimization capability drives cloud cost efficiency and resource utilization improvements across all supported platforms (AWS, Azure, GCP). It identifies and surfaces idle or underutilized resources—including VMs, volumes, load balancers, IPs, snapshots, and SQL instances—enabling teams to reclaim unnecessary spend by decommissioning or reallocating these assets. The platform also generates recommendations for resource right-sizing, suggesting best fit and next fit options for VMs, SQL instances, disks, and IOPS based on real usage patterns. This approach ensures cloud environments are neither overprovisioned nor underprovisioned, helping organizations maintain optimal performance at the lowest possible cost.



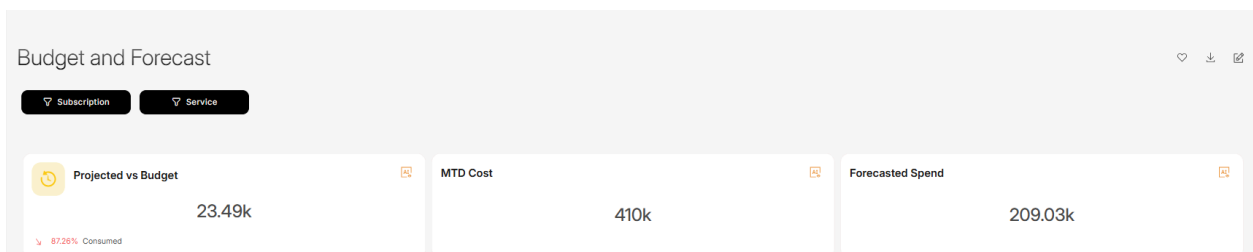
### 2.4.4. Cloud Inventory

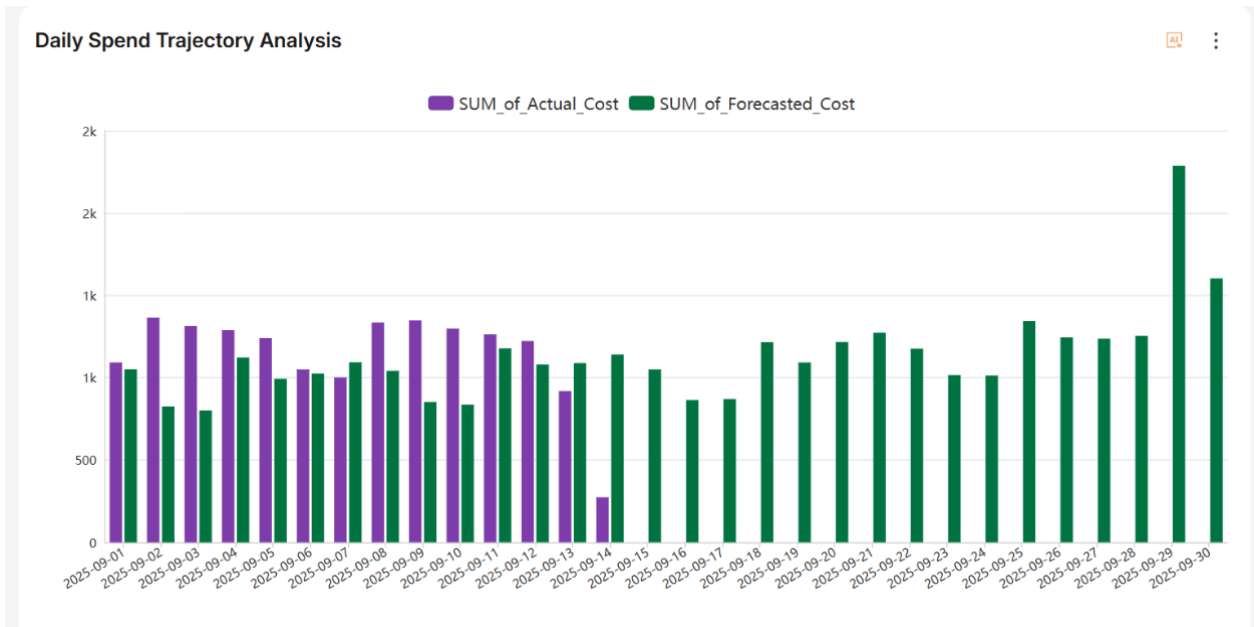
Catalogs cloud assets across AWS, Azure, and GCP, offering a unified, up-to-date view of all infrastructure components for centralized inventory management.



### 2.4.5. Cloud Forecasting

Uses predictive analytics to estimate future cloud spend, empowering teams to budget proactively and minimize surprises.





### 2.4.6. Cloud Budgeting

Enables creation of configurable cloud cost budgets, continuous spend monitoring, and real-time threshold-based alerts for budget compliance.

The screenshot shows a web interface for configuring cloud budgets. At the top, there are tabs for 'AWS', 'AZURE', and 'GCP', with 'AWS' selected. Below the tabs is a notification bar with a red circle containing the number '1' and the text 'Set your budget'. The main content area is divided into two sections: 'Basic Details' and 'Budget Amount'. In the 'Basic Details' section, there is a text input field for 'Budget Name' with the value 'Budget 12'. In the 'Budget Amount' section, there is a dropdown menu for 'Period' set to 'Daily'. Below this is a section for 'Budget renewal type' with two radio buttons: 'Recurring budget' (which is selected) and 'Expiring budget'. There is also a 'Start Date' field with the value '29 Aug 2025' and a calendar icon. Below that is another dropdown menu for 'Budget Method' set to 'Fixed'. A note below this dropdown states 'It will set budget amount dynamically as per the usage pattern'. Finally, there is a numeric input field for 'Budget Amounted (\$)' with the value '0'.

### 2.4.7. Cloud Anomaly Detection

Continually checks spend patterns for unexpected spikes and anomalies. Real-time alerts and detailed analytics help teams quickly identify and address abnormal spending events.

## Anomaly Alerts

AWS   AZURE   GCP

1 Anomaly Setting

### Basic Details

Anomaly Name \*  
Anomaly 1

Anomaly Description  
Description

### Cost Anomaly Settings

Deviation  
5.30 %

Look back period  
Last Week

### Scope Anomaly

Add filters and advanced options to narrow down the cost information

Scope options

All services(recommended)    Specific services cost dimensions

## Technical Specifications

- **Device & Data Integration:** Robust SNMP polling, agent-based onboarding, protocol-specific health checks, and containerized VM monitoring.
- **Security & Compliance:** Enterprise-grade RBAC, SAML/federation authentication, and advanced object-level permission management.
- **Event & Incident Management:** Configurable detection rules, correlation logic, automated RCA enrichment, and maintenance window scheduling.
- **Reporting Engine:** Modular query builder, dynamic dashboards, multi-format exports, and AI-powered summarization and deep analysis.
- **FinOps Analytics:** Cloud-native spend tracking across AWS, Azure, GCP; anomaly detection; budget setting.
- **User Experience:** Unified UI, dark/light modes, and flexible layout components.

## 3. Support

- For sales-related inquiries, please reach us at [ifso-pmg@hcl-software.com](mailto:ifso-pmg@hcl-software.com)

# HCLSoftware

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