

HCLSoftware

AI-driven Cloud FinOps
visibility and insights



HCL DRYICE
MyXalytics FinOps

Introduction



In a rapidly digitizing business paradigm, cloud platforms have become an essential element for future-facing enterprises. This also sees enterprises move beyond private and public cloud platforms and opt for a hybrid cloud model for their business. Hybrid cloud offers you a mélange of benefits, including improved choice of services, increased speed of implementation and execution, and greater scalability. However, it also poses challenges around cloud cost visibility, optimization, and governance. Poor financial management, inadequate reporting capabilities, and the inability to predict OPEX costs accurately are the realities of today's multi-cloud environments.

DRYiCE MyXalytics FinOps is an AI-driven Cloud FinOps visibility and insights product that delivers intelligent insights to help you effectively visualize, manage, and optimize your multi-cloud spending, improve governance, and strengthen your multi-cloud security posture. With MyXalytics FinOps, you can customize your visibility for effective governance and configure policies that help application and business owners avoid cost overruns, compliance, and security vulnerabilities. Further, it also offers effective task allocation and tracking mechanisms to assign the identified issues to concerned teams and track the entire lifecycle until resolution.



Finance teams

- Current financial processes are often geared towards Capex and predictable OPEX, which are inappropriate for this variable spend
- The traditional procurement model is no more relevant when DevOps teams now have the power to launch on-demand cloud resources, and budgets are usually not a constraint
- Understanding cloud billing and forecasting is quite complex, especially if a well-defined tagging strategy is not in place. The predictability of cloud spending is often inaccurate
- Managing cloud spend against allocated budgets is an uphill task due to the lack of visibility and accountability

Common challenges



Tech teams

- Innovation and agility are the top priorities, due to which cloud cost optimization takes a back seat
- Lack of cost visibility to the DevOps teams and improper processes for show back or chargeback
- Lack of cloud cost visibility and focus on innovation, can lead to significant wastages
- Lack of understanding of financial processes
- Predicting cloud costs is hard, even if usage patterns are well understood
- Improper insights around security and compliance may lead doors open for vulnerabilities

HCL approach on Cloud FinOps

Evaluate and define	Track	Smart insight	Implement	Optimize	Adapt
Cost and maturity assessment	Cost allocation	Recommendations on cost optimization	Execute recommendations	Instance right sizing based on consumption trends	Cultural adoption/ change management
Define KPIs	Reports and custom dashboard	Operational insights performance usage and availability	Implement chargeback/ show back	RI purchase recommendation	Financial accountability to the last mile
Define threshold	Wastage tracker	Security best practices	Implement tagging strategy	Waste elimination	Architectural audits
Create workflows	Anomalies detection	Service insights	Scheduling	Rate optimization	Cloud resource governance



AI-driven Cloud FinOps visibility and insights

HCL FinOps maturity model

Crawl (Current state of the financial management)

- Native tools
- No automation
- Basic KPIs for team
- Targeting the low hanging fruits
- Minimum reporting
- Enablement of specific team
- Simple forecasting
- Static budgeting and flexible quotas

Walk (Proposed state)

- BI dashboards and FinOps tools implemented
- Timely reports made available to stakeholders
- KPIs defined and success is measured
- Cost optimization activities beyond native
- Trend-based and driver-based forecasting
- Create budget and alerts and enforce quotas
- Cross-team enablement
- Automate tagging, schedule instances, and create alerts

Run (Desired state)

- Use of tools to enable FinOps reporting, optimization and governance
- Optimize cost and resources to meet budgets and enforce allocation quotas
- Granular reports for show back, budgets, etc. Made available with various views from CXO level to operations teams
- High goals and KPIs set to measure success
- Optimization of cost and resources based on well architected framework, re-platform, re-architect, automate CUDs and use spot
- Accurate and granular forecasting on regular duration based on cloud level, business unit level or project level
- Automation of governance and remediation
- Enablement across the organization to meet set goals and introducing FinOps cultural adoption and financial accountability

Features and capabilities

Cost anomaly detection

Stop leverage AI-driven outlier analysis to identify anomalous cloud costs and get alerted via automated notifications using various channels like ITSM, Slack, ChatOps and others.

Tag governance

Select from a pre-defined list of tagging nomenclatures and automate tagging compliance of your cloud services like images, EBS volumes, snapshots, IP addresses etc.

Cost recommendation

PaaS based cost optimization for AWS RDS and Azure SQL service and RI recommendation based on GCP CUD's.

Customized reporting

Save and download multiple reports and schedule reports on a daily, weekly, monthly, basis. With the right tagging in place, generate reports (on cost, inventory, security and optimization) by application and business unit.

Amortized and actual cost

Customers can view the cost difference and real monetary benefits by opting for a reservations. Comparison will allow users to see the difference between PayG cost and reservation cost for applicable services.

Cloud governance

Ensure continuous security, compliance, and governance across your cloud environments through native advisory and security visibility and insights.

Multi-cloud views

Stop switching to 3 different cloud consoles, instead get individual views for all your multi-cloud costs in a single platform.

Self-onboarding

Self-onboard for cloud visibility and cost optimization recommendation. Select various integrations and adaptors as required while self-onboarding.

vROPS integration

Visualize the VM/Cluster/Disk/Inventory/Host Data under multiple insightful widgets. Users also see the utilization levels for private cloud VMs.

FinOps practitioner advisory

Admin console for FinOps practitioner to Feed/Edit the latest advisories per cloud provider. User can view and export latest advisory managed by FinOps practitioner with functionality such as Text Editor which gives full control over text formatting to smarten and organize the texts.

CSP customer mapping

Empower your business to comprehend, categorize, and leverage customer insights for strategic decision-making.

Discount module

Generate discounts by considering different aspects such as account, customer, service, publisher types, particularly in context of Azure and AWS cloud providers.

Pre-configured dashboards

Build your rich repository of pre-configured reports and dashboards, especially for ITSM reporting along with the flexibility to create custom reports and dashboards.

Comparison view

Understand the changing costs of your dynamic infrastructure with a side-by-side comparison of different insights, services, timeframes and much more.

Cost optimization

Reduce the amount of time spent on analyzing and optimizing your cloud spends by leveraging various techniques like rightsizing, scheduled instances, reserved/committed usage instances, waste elimination, and others.

Chargeback views

Visualize the cost dis-aggregated into different region, account, IDs, tags and apply filters to break down it at a granular level.

NP scorecard

As an executive, using the NPS scorecard is a quick way to get a comprehensive snapshot of network health in one place.

AI FinOps services

You can now enjoy token generation and dynamic connection string implementation in AIOps service (Model training and forecasting adapter).

Multi-account visibility

Now connect with all your accounts, subscription, and projects to get a unified or distributed views of all the expenses incurred.

Advanced filters

Go beyond account IDs, subscription, services etc. and analyse your data at greater depths with filters like resources tags, currency, instances, type etc.

Task allocation and tracking

Analyze and identify problem areas, and assign them to concerned teams for resolution, with continuous tracking and updates.

Benefits and impact

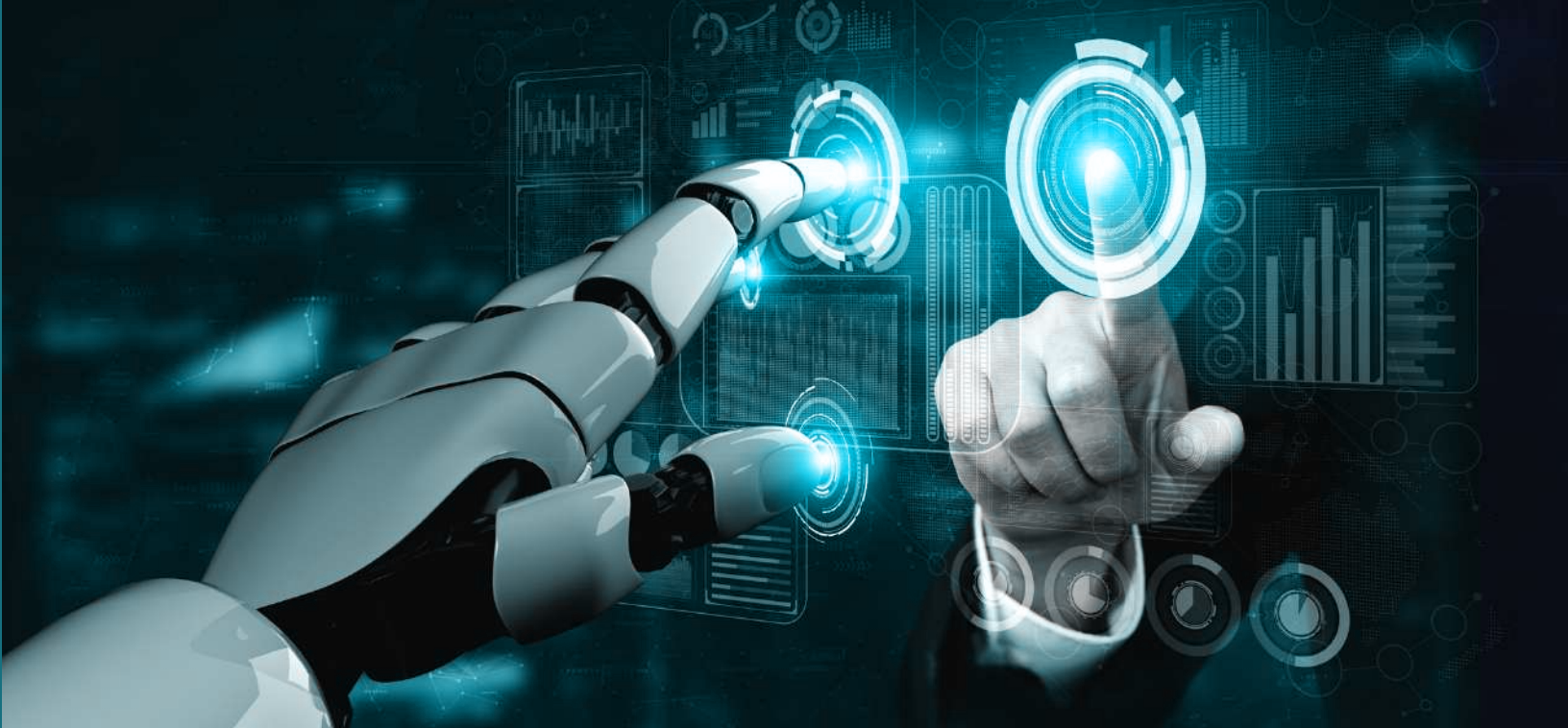
Up to 70% cost savings by leveraging cloud native purchase models like reserved instances and committed usage discounts

Improved efficiency in cloud operations, faster decision making, task tracking and reduced business risk

Up to 40% reduction in anomaly based increase in cloud spend

Up to 100% reduction in manual reporting for multi-cloud cost visibility

Up to 25% improved asset utilization via rightsizing or waste elimination



About DRYiCE

DRYiCE™ is HCLSoftware's foray into the world of AI and Intelligent Automation, focused on transforming and simplifying enterprise IT and business operations. Our exclusive products and platforms enable enterprises to operate in a leaner, faster, and cost-efficient manner while ensuring superior business outcomes.

Our vision focuses on



Enabling a service oriented enterprise



Driving enterprisewide digital agility



Business flow intelligence



AI-led service assurance

Want to know more? Visit our website at dryice.ai or write to us at dryicemarketing@hcl.com

HCLSoftware

Fueling the Digital+ Economy



About HCLSoftware

HCLSoftware is a division of HCLTech (HCL) that operates its primary software business. It develops, markets, sells, and supports over 30 product families in the areas of Digital Transformation, Data Analytics & Insights, AI and Automation, and Enterprise Security. HCLSoftware has offices and labs around the world to serve thousands of customers. Its mission is to drive ultimate customer success with their IT investments through relentless innovation of its products.