DELL Technologies

Product Brief

CloudIQ — AIOps for Infrastructure Cybersecurity

Keep infrastructure safe with proactive cybersecurity assessments and advisories.

Up to 10x faster

to resolve issues.[1]

Save 1 workday

per week on average.[1]

<3 minutes to automate

security checks for 1,000 systems.[2]

Reduce known risks
Intelligent, automated security misconfiguration checking for servers and storage keeps you aware of risks 24 hours a day and recommends actions to resolve them.

Proactively address vulnerabilities
Intelligent security advisories pinpoint servers and storage with common vulnerabilities and exposures and recommends actions to resolve them.

IT operations and security teams don't have the time to manually check security settings for misconfiguration risks and research common vulnerabilities and exposures for every system every day. Let CloudIQ, the AIOps application for Dell on-premises infrastructure and Dell APEX multicloud services, do it for you.

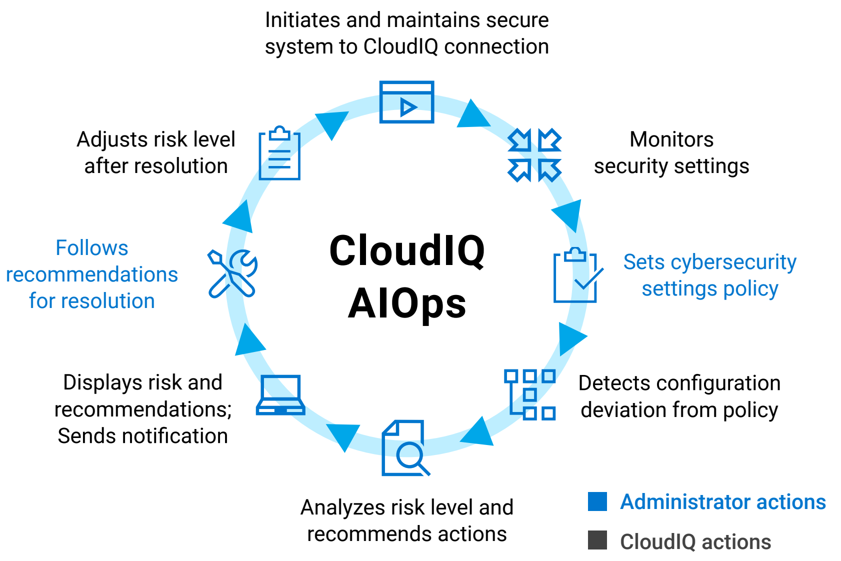
Web-based and highly secure, CloudIQ comes with Dell ProSupport service contracts at no additional cost.

Reduce risk with automated cybersecurity assessments

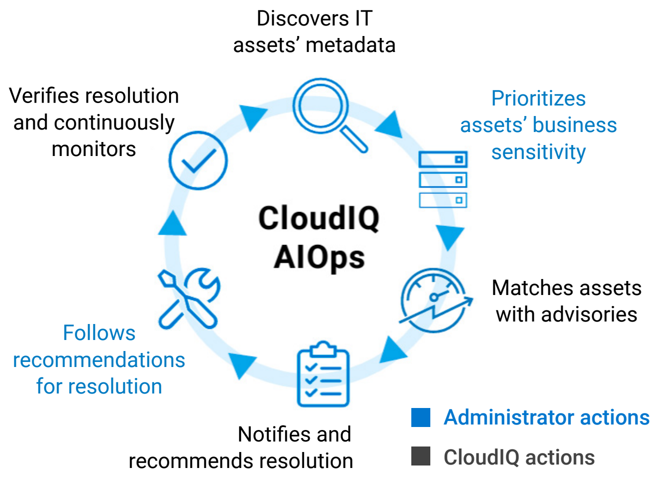
Strong cybersecurity configuration settings that help prevent unwanted access to infrastructure are essential building blocks of a Zero Trust security foundation. But every system has multiple security settings that can be easily misconfigured or inadvertently left open after legitimate system administration.

Tell CloudIQ AIOps which settings you want, then it will continuously monitor your infrastructure for misconfigurations, notify your staff about them and recommend actions to re-establish security. CloudIQ displays each system's level of risk based on its misconfigurations so you can address the biggest risks first.

Continuous infrastructure security misconfiguration risk awareness


Initiates and maintains secure system to CloudIQ connection
Monitors security settings
Sets cybersecurity settings policy
Detects configuration deviation from policy
Analyzes risk level and recommends actions
Displays risk and recommendations; Sends notification
Follows recommendations for resolution
Adjusts risk level after resolution
CloudIQ AIOps
■ Administrator actions
■ CloudIQ actions

Continuous infrastructure common vulnerability and exposure awareness


Discovers IT assets' metadata
Prioritizes assets' business sensitivity
Matches assets with advisories
Notifies and recommends resolution
Follows recommendations for resolution
Verifies resolution and continuously monitors
CloudIQ AIOps
■ Administrator actions
■ CloudIQ actions

Address vulnerabilities faster with intelligent security advisories

Security advisories inform you about newly discovered common vulnerabilities and exposures that criminals can exploit. Traditional IT equipment vendors' security advisories are email-based and require hours, even days, to manually review and then verify which of your systems' hardware, firmware and software versions are vulnerable and exposed.

CloudIQ monitors your Dell systems, knows their precise versions and matches them to the relevant Dell Security Advisories that it ingests. Once matched, CloudIQ recommends actions, such as applying security patches to eliminate the vulnerabilities. This relieves staff of manual drudgery, reduces exposure and accelerates resolution.

Integration for automating ITSM, SIEM and SOAR

CloudIQ Webhook, an API (application programming integration) that pushes CloudIQ system health notifications to third-party IT management applications, also integrates its cybersecurity risk notifications with third-party software. This lets you automate IT service management (ITSM), security information and event management (SIEM) and security orchestration, automation and response (SOAR) processes for speeding time to resolution.

Use CloudIQ Webhook to push its cybersecurity risk notifications to third-party applications such as: ServiceNow for ticketing; ELK Stack, Splunk and Rapid7 for security information and event management; Palo Alto Networks Cortex XSOAR, IBM QRadar and Splunk for security orchestration automation and response; and Slack and Teams for escalation.

CloudIQ's shared email notifications and role-based access dashboards further improve efficiency.

See the CloudIQ cybersecurity demo

Learn more about Dell CloudIQ

Contact a Dell Technologies Expert

See CloudIQ infographics

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[1] Based on a Dell Technologies survey of CloudIQ users conducted May through June 2021. Actual results may vary.
[2] Dell CloudIQ Cybersecurity For PowerEdge: The Benefits Of Automation," a Dell Technologies Direct from Development White Paper, 2022. Actual results may vary.