CloudIQ – AIOps for Intelligent Infrastructure Insights

Use the power of AI to simplify IT management and keep your enterprise-wide infrastructure healthy, cybersecure and energy sustainable with less effort.

Applying AI to IT Operations

Using a rich set of patented AI and related algorithms, CloudIQ processes a vast amount of telemetry data and gives you one convenient portal for actionable insights about the health, cybersecurity and sustainability of your core, edge and multicloud infrastructure.

Up to 10x faster
to resolve issues.[1]

Save 1 workday
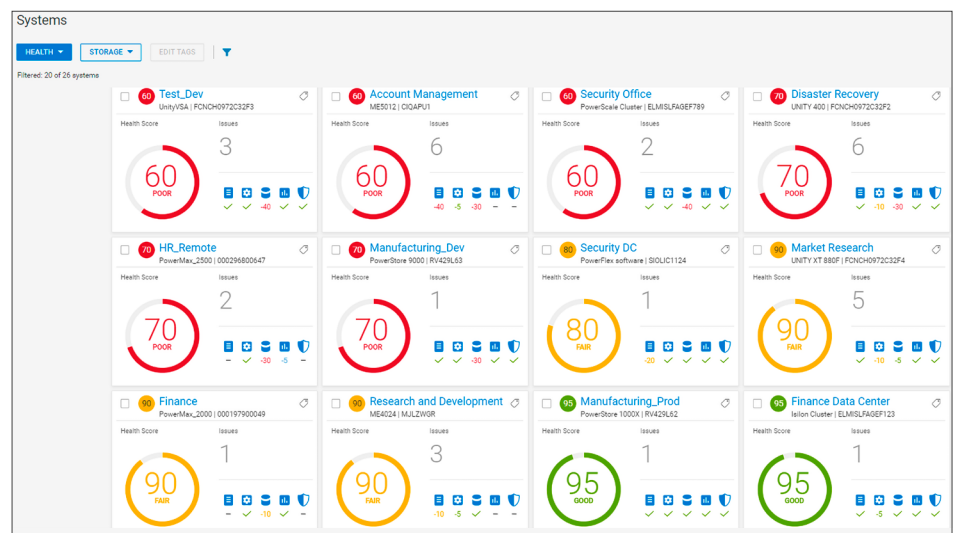per week on average.[1]

<3 minutes to automate
security checks for 1,000 systems.[2]

- Health scores, forecasts, notifications and recommendations help you resolve issues proactively versus reactively.
- Cybersecurity risk assessments and advisories recommend actions to help you quickly harden infrastructure.
- Energy and carbon footprint tracking and forecasting help you make more informed decisions to lower emissions and costs.
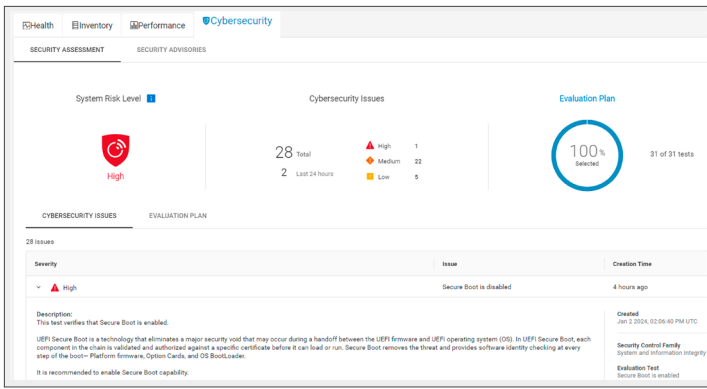
CloudIQ is the AIOps application for observing and predictively analyzing Dell server, storage, data protection, networking, hyperconverged infrastructure and Dell APEX multicloud services in a single user interface. Customer surveys validate that CloudIQ speeds time to resolution of issues up to 10X[1] and saves IT administrators one workday per week on average.[1] Web-based and highly secure, it comes with Dell ProSupport and ProSupport service contracts at no additional cost.

Reduce Risk: See what's happening, why and what to do about it

- System health scores based on component, configuration, capacity, performance and data protection status ensure awareness and facilitate prioritized response. Detailed recommendations tell you how to quickly and proactively resolve issues before they impact your business.
- Capacity and performance anomalies are detected and displayed in context of expected behavior based on historical metrics for each hour of the day, every day of the week. Infrastructure and virtual machine impact and probable root cause analysis across an end-to-end topology assist troubleshooting and accelerate resolution.
- Cybersecurity risk notifications about infrastructure security misconfigurations and advisories about common vulnerabilities and exposures eliminate hours of manual inspection and research. Recommendations simplify and accelerate resolution.
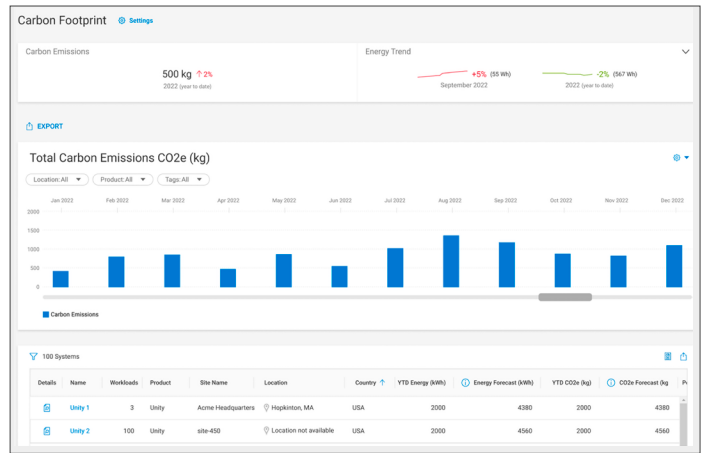

Health scores and recommendations

Cybersecurity assessments and recommendations

Improve Productivity: Work faster, communicate better and automate more

- Seamless workflow across CloudIQ, Dell systems, Dell APEX multicloud services and VMware vCenter speeds operations. Seamlessly launch integrated tools to apply CloudIQ recommended actions to on-premises, cloud and virtual infrastructure.
- APIs share intelligence with 3rd party collaboration, ITSM and orchestration tools to automate operations. Use CloudIQ insights to trigger service tickets, escalations, CMDB updates, automated remediation and more.
- Customizable, scheduled reports and shared dashboards improve collaboration across operations teams and with stakeholders.

Plan Ahead: See what will happen, why and what to do about it

- Server and storage performance forecasting ensure awareness for planning expansions and workload balancing to avoid degradation and outages. Machine learned performance and storage consumption behavior is used to accurately predict performance ceilings and full capacity with high confidence.
- Energy consumption and carbon footprint tracking and forecasting enable better workload consolidation and technology refresh decisions. Know when and where to move workloads, retire and replace systems with newer technology to reduce IT footprint, emissions and energy costs.
- Storage area network optical failure forecasting identifies risk of failures within a week, month or quarter. Detect defective optics as their transmission power falls and know when to replace components to avoid crippling data outages and application disruption.

Energy and emissions tracking and forecasting

See the CloudIQ homepage demo

Learn more about Dell CloudIQ solutions

Contact a Dell Technologies Expert

See demos and whitepapers

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