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# Radware Alteon Cloud Control for Cisco ACI/APIC

In an application-driven world, ensuring application SLAs is critical for protecting the end-user experience, growing your business, and increasing customer retention. Transitioning to the cloud makes managing multiple infrastructure platforms and controlling networks and applications increasingly difficult.

## A single pane of glass for 360-degree visibility of network and application performance

Radware Alteon Cloud Control for Cisco® App Center provides integration between the Cisco Application Policy Infrastructure Controller (APIC) and Radware Alteon Cloud Control to enable network administrators to easily monitor both network infrastructure and application performance from Cisco APIC. With powerful analytics for IPs, user sessions, and/or applications, analysts can easily identify exceptions and immediately isolate root causes. Radware Alteon Cloud Control extends additional value to the network administrator by mapping Cisco ACI® features, including service graphs and Endpoint Groups (EPG) to remove any manual effort for cross functional correlation needed to address complex problems in large data centers with thousands of logical partitions.

Cisco APIC and Cisco App Center provide centralized network management and control across multiple cloud platforms to ease the administrative burden of managing applications across multiple deployment environments. Alteon Cloud Control complements Cisco's approach to data center management by leveraging application delivery technology to extend the value of networking administration to private and public cloud applications, migrations, elasticity, disaster recovery and resource efficiency designs.

By providing unified management, policy enforcement, an autonomous licensing model, and a control plane that addresses environmental complexities, Radware's multicloud solutions provide application delivery and security services to simplify administration. IT organizations improve operational consistency, get increased visibility, and compliance to ensure Cisco App Center customers drive efficiency across multicloud deployments.

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## Solution benefits

- **Visibility** – Easily monitor both network infrastructure and application performance from Cisco APIC
- **Consistency** – Consistent application delivery and security policies for multicloud applications
- **Scalability** – A global elastic licensing model allows dynamic resource allocation for autonomous scaling and overall business agility
- **Lower OpEx** – Extend the value of automation to networking administration, to private and public cloud application migrations, elasticity, disaster recovery and application efficiency
- **Faster detection and remediation** – Powerful analytics enable analysts to easily identify exceptions and isolate root causes to accelerate time to resolution

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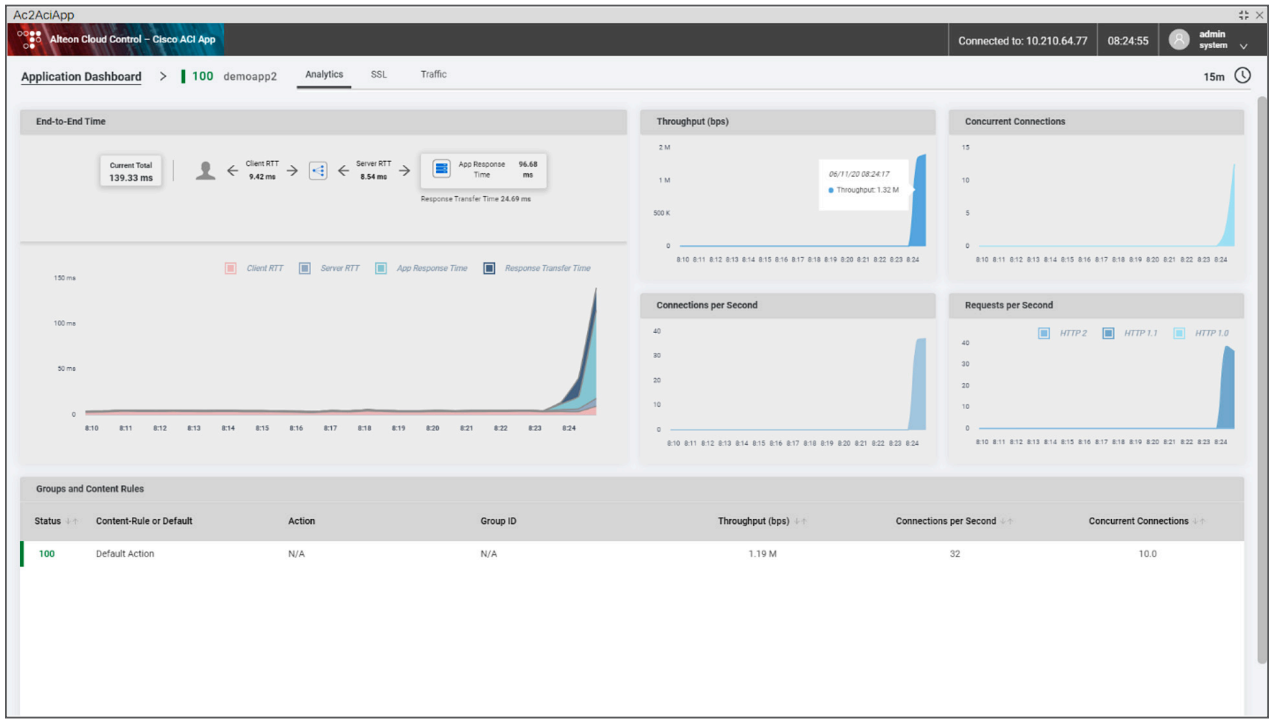
# Radware Alteon Cloud Control for ACI – key features and use cases

## 1. Smart Analytics for Actionable Insight

Alteon Cloud Control for APIC collects application performance and health information. It provides a consolidated view of all applications across the Cisco ACI environment through intuitive dashboards for fast root-cause analysis and rapid SLA breach resolution.

## 2. Track key application performance metrics

Metrics such as end-to-end response time, throughput, Connections Per Second (CPS), Requests Per Second (RPS), and concurrent connections, are tracked from the last 15 minutes to the last three months. Users can easily identify exceptions, summarize them into actionable results, and view SSL errors, latency insertions, and errors related to users or application servers.

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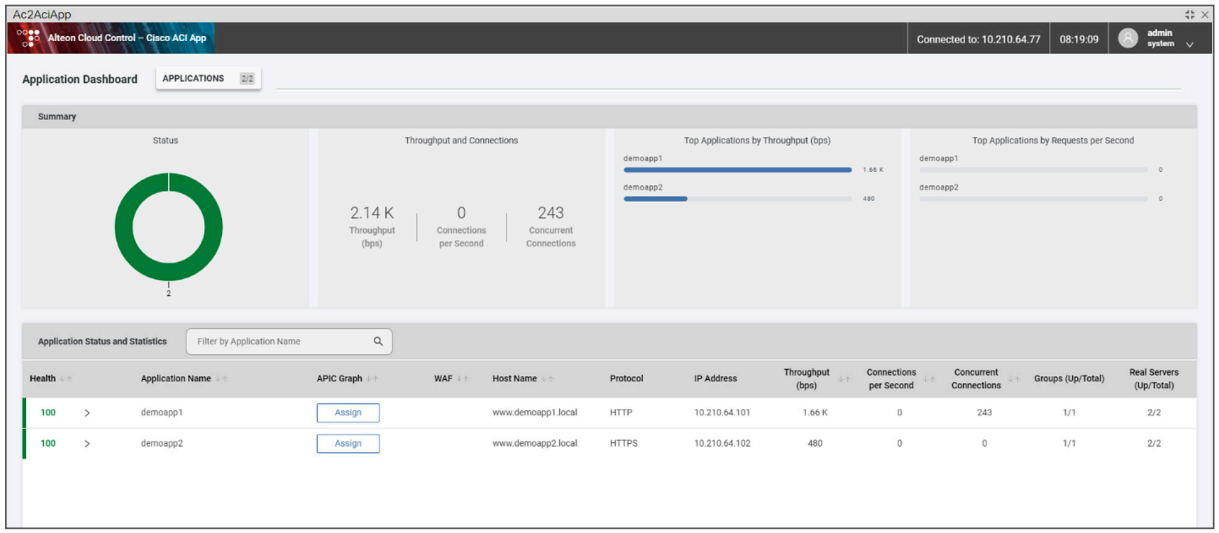
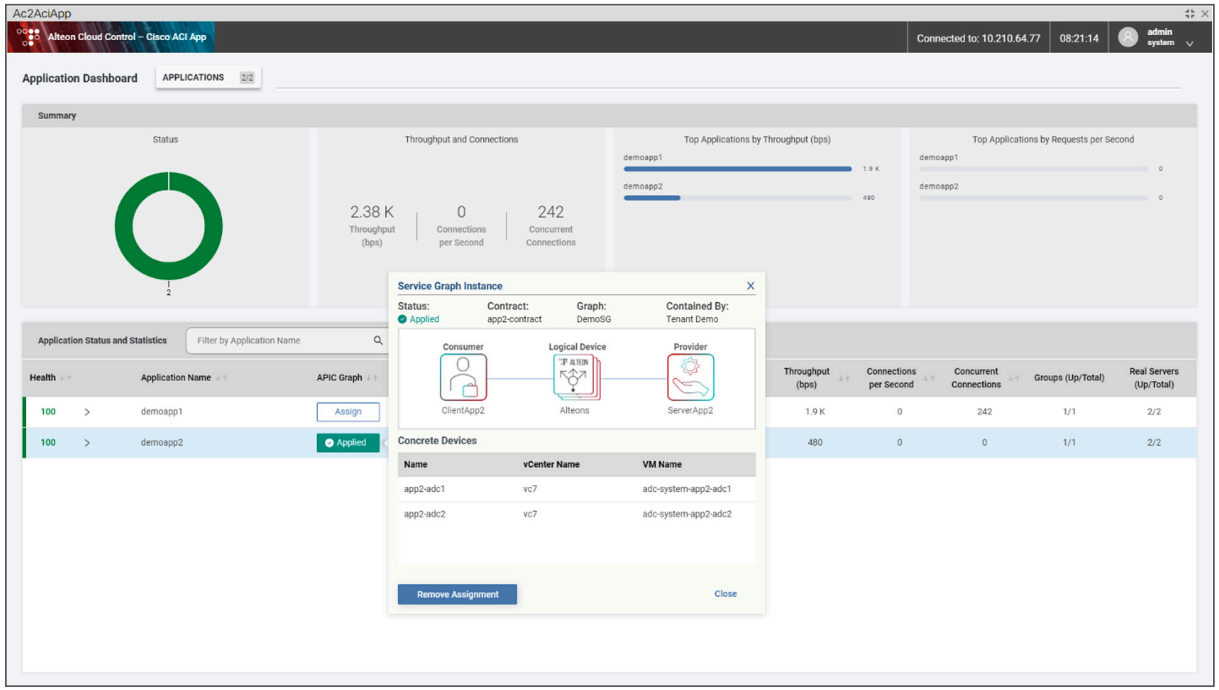
### 3. View the health of all applications, the network, and users' experiences

Application health considers application performance (end-to-end response time), server availability, and application instance health. Each application can be expanded to view its status down to the individual application resource or user session. This environmental status reading dynamically selects resources that best serve individual requests.

### 4. View the service graph for each application, its state, and its associated devices

Changes in the service graph state are automatically reflected in the dashboard. This mapping allows network administrators to isolate user and applications issues into the appropriate overlay for faster isolation.

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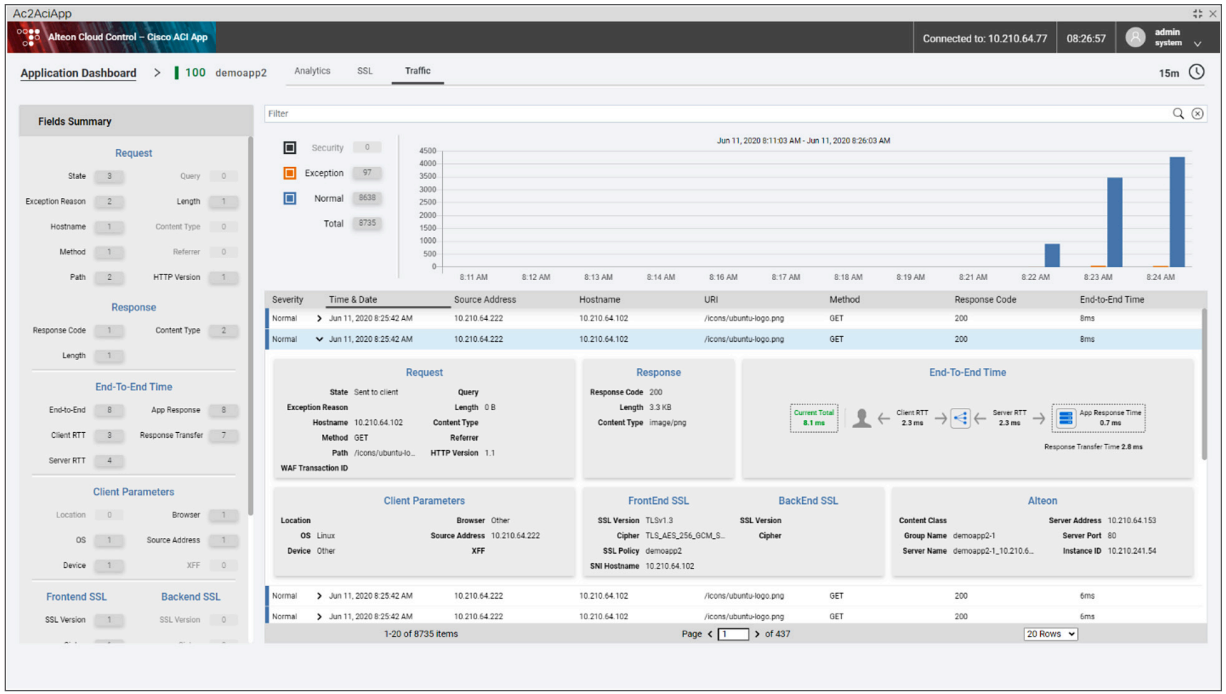
## 5. Deep-level application analytics based on transaction information

Data that accelerates root cause analysis, provides user insights, server response analysis, SSL handshake, and cipher details enable easy exception and ticketing analysis from a single perspective. Mappings between service graphs and endpoint groups allow network administrators to correlate events to logical components within the network overlay and characterize issues faster.




# Conclusion

Radware Alteon Cloud Control simplifies application delivery and security services administration across multiple environments, including on-premises data centers, private clouds, and public cloud platforms. It ensures consistent management of policies regardless of where applications are deployed and simplifies planning/cost optimization by providing a single elastic license that allows IT to transfer application delivery capacity across physical and cloud data centers. Integrated with Cisco APIC, Radware Alteon Cloud Control enables network administrators to easily monitor both network infrastructure and application performance from Cisco APIC to protect the end user experience, grow your business, and increase customer retention.

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