



# Accelerate API and application management with F5 AI Assistant

The F5 Application Delivery and Security Platform equips teams to streamline operations, accelerate decision making, and reduce manual processes.



## Key benefits

### Enable confident operation

Deliver step-by-step guidance that democratizes expertise across teams, ensuring consistent outcomes without dependencies on individual subject matter experts.

### Unlock rapid resolution

Resolve incidents and restore operations faster with root cause identification and actionable recommendations.

### Reduce operational overhead

Empower teams to focus on strategic priorities instead of repetitive, labor-intensive tasks.

## Navigating complexity is a strain on resources

As digital systems scale to meet growing user and business demands, the complexity of managing distributed applications and APIs grows exponentially. With modern environments spanning hybrid and multi-cloud architectures, NetOps and SecOps teams must navigate a complex web of security configurations, traffic management rules, and distributed logs—each requiring careful orchestration to ensure seamless delivery and robust protection. This often results in an organization's most critical professionals devoting countless hours to scouring documentation, troubleshooting routine issues, and piecing together fragmented data.

Every hour subject matter experts spend manually tracking down dependencies or deciphering design decisions is time that they could be spending on innovating for customers. Expert turn over amplifies this issue, creating knowledge gaps throughout organizations.

Observability and reporting come with their own persistent and complex challenges. Creating comprehensive dashboards and reports for stakeholders is both time-intensive and error-prone, often requiring insights to be stitched together manually across disparate siloes. In routine operations, this patchwork approach slows progress and creates inefficiencies. These challenges result in critical liabilities, increased vulnerabilities, and delayed incident response times.

## Let innovation thrive by automating repetitive tasks

In today's fast-paced digital landscape, the complexity of managing distributed applications and APIs can overwhelm even the most seasoned teams. Repetitive tasks such as troubleshooting configurations, aggregating performance metrics, and deciphering fragmented documentation siphon countless hours that could be repurposed toward innovative pursuits. This operational overhead not only slows progress but also pulls attention away from high-impact initiatives that drive competitive advantage. By empowering teams with proactive intelligence and automation, F5® AI Assistant transforms how organizations operate, enabling them to eliminate manual processes, streamline workflows, and redirect focus on meaningful strategic priorities.

## Key features

### Accelerate troubleshooting

Surface dependencies, detect anomalies, and provide actionable resolutions.

### Automate reporting workflows

Automatically aggregate and summarize data from logs, tools, and security scans into stakeholder-ready dashboards.

### Provide contextual guidance

Equip teams with plain-language explanations of system behavior and complex configurations to expedite issue resolution.

AI Assistant is engineered to navigate complex operational challenges by embedding platform-trained intelligence into the workflows teams already use, delivering precise, context-aware guidance across application delivery and security tasks. Unlike general-purpose AI models, AI Assistant is designed specifically for the F5 Application Delivery and Security Platform (ADSP) to deliver accurate, actionable insights. AI Assistant is essential for organizations seeking to accelerate results, offload manual tasks, and focus on innovation.

## Turn F5 NGINX configurations into actionable insights in minutes

Troubleshooting F5 NGINX® configurations often requires hours analyzing advanced directives such as caching rules, load balancing algorithms, or security headers. AI Assistant reduces complexity by delivering on-demand, plain-language explanations of configurations, pinpointing their impact on traffic behavior, and surfacing potential performance or security issues in real-time. Instead of combing through documentation or relying on scarce individual experts, teams can instantly understand how configurations impact app delivery, security, and user experience.

AI Assistant also accelerates key tasks like analyzing directives, identifying misconfigurations, and providing insight to troubleshoot errors—transforming hours of guesswork into minutes of clarity. With context-aware insights, teams of all experience levels can ramp up quickly, enabling them to move faster while maintaining reliability across NGINX environments.

## Generate and validate new F5 iRules in minutes, not days

Writing and validating F5 iRules® for F5 BIG-IP® traditionally required deep Tcl scripting knowledge, burdensome trial and error, and days of testing to ensure compatibility and security. AI Assistant simplifies this process by instantly generating production-ready iRules through natural language prompts. By leveraging proprietary platform training, AI Assistant delivers iRules tailored to your environment as well as built-in validation to flag errors and enforce best practices. AI Assistant eliminates reliance on scarce subject matter experts, empowering teams of all skill levels to implement consistent and scalable traffic policies. Instead of spending hours troubleshooting misconfigurations or resolving inconsistencies, teams can generate and validate scalable iRules in minutes.

**AI Assistant equips teams to act faster with clear insights, efficiently troubleshoot without trial and error, and achieve meaningful outcomes in less time.**

## Reduce hours of configuration time to minutes

Configuring distributed app and API environments can span countless hours wherein teams contend with fragmented documentation, legacy configurations, and traffic policies across regions. AI Assistant accelerates this process by identifying scaling bottlenecks, prioritizing vulnerabilities, and delivering actionable recommendations to optimize traffic and security policies.

With anomaly detection and real-time insights into application performance and connectivity, teams can adapt configurations dynamically and standardize operations faster. Lengthy processes like aligning traffic flows or patching vulnerabilities can now be completed in minutes, ensuring efficient scaling and consistent enforcement across environments.

## Focus on what matters

AI Assistant is a force multiplier for teams seeking to drive innovation at scale and save time on manual tasks. By automating routine processes, providing AI-driven insights and delivering actionable recommendations, AI Assistant, paired with the power of F5 ADSP, transforms how NetOps and SecOps experts operate. Teams of all skill levels can act with confidence and precision—resolving issues faster, optimizing workflows with ease, and focusing on strategic priorities instead of manual processes.

As distributed applications and APIs continue to grow in complexity, the ability to save time at every step becomes increasingly critical. AI Assistant equips teams to act faster with clear insights, efficiently troubleshoot without trial and error, and achieve meaningful outcomes in less time. With time back on their side, organizations can accelerate innovation, drive operational excellence, and stay ahead in a rapidly evolving digital landscape.

## Next steps

**Watch this demo** to see AI Assistant in action—or **contact us** to further explore how AI Assistant can help your organization save time and reduce complexity.

