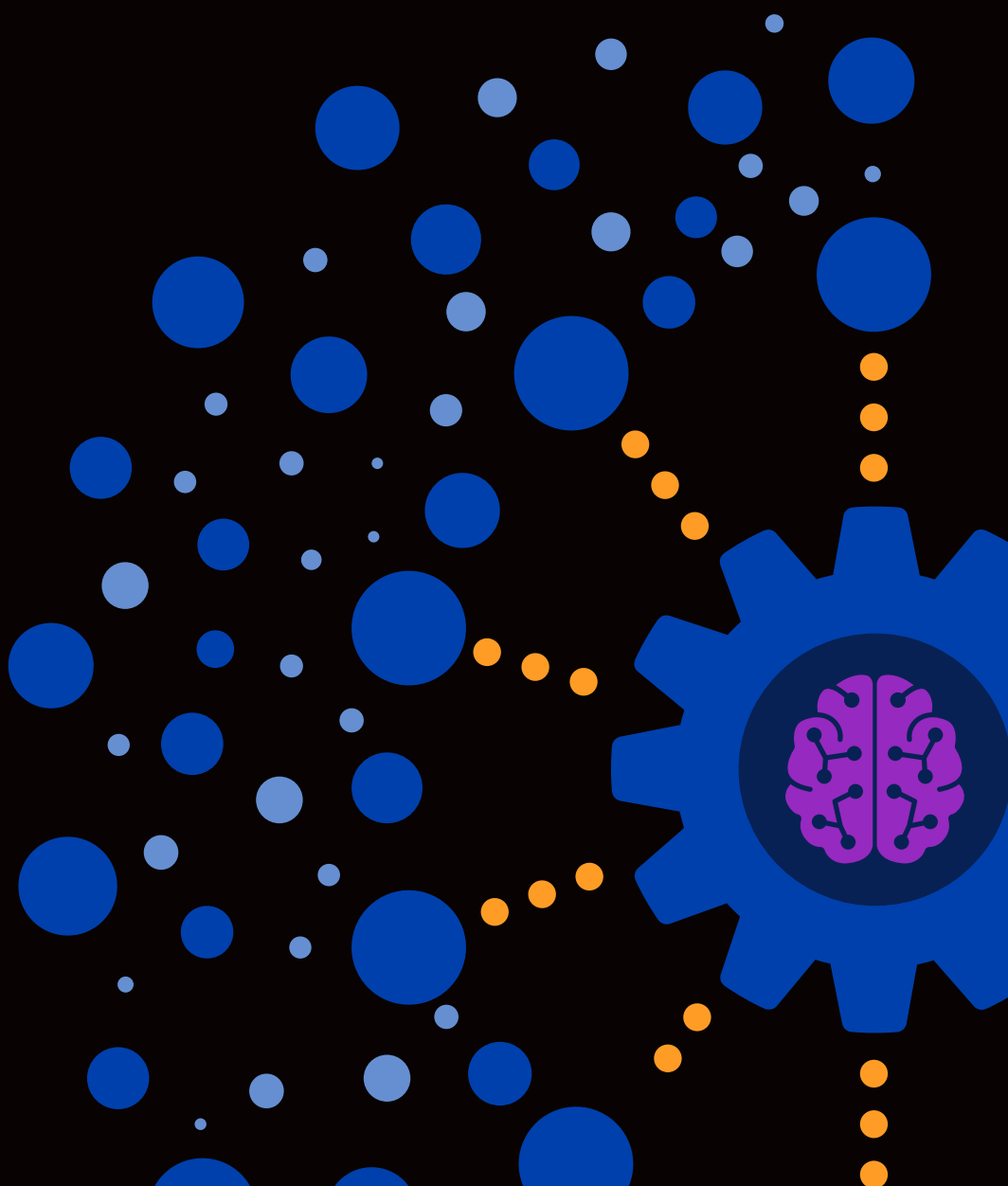




Generate and optimize iRules with F5 AI Assistant

For over 85% of F5® BIG-IP® customers, F5 iRules® is an essential component of modern app delivery, and with F5 AI Assistant, creating best-in-class iRules becomes more intuitive.



Key benefits

Democratize iRules creation

Empower teams of all skill levels to contribute production-ready iRules.

Improve policy enforcement

Achieve consistency and reliability across deployments with platform-trained intelligence.

Accelerate iRules understanding

Distribute unified expertise across all teams and simplify context in complex legacy configurations.

Over 1 million total applications have iRules.

F5 iRules are essential, but fluency is scarce

For many years, F5 iRules has been a critical staple for BIG-IP application delivery and security deployments. It is an essential tool teams use to unlock scalability and reliability across applications. Its impact is so far-reaching that over 70% of BIG-IP instances depend on iRules for application delivery and security. Experienced practitioners leverage iRules' Tool Command Language (Tcl)-based scripting to iterate rapidly, tailoring traffic management policies and enforcing application behavior to meet evolving business demands.

However, creating and maintaining iRules can grow increasingly time-consuming and dependent on specialized Tcl expertise. Validating a single iRule in complex environments can take days, and rationalizing legacy policies yields opportunities for misconfigurations, operational bottlenecks, and performance drop-offs. Turnover compounds these challenges as teams inherit legacy iRules scripts that far surpass the tenure of their original creators. Generic AI tools provide patchwork solutions at best but lack the domain expertise and context needed to generate and validate iRules tailored to an organization's specific environment. This leaves organizations grappling with complex workflows that slow down deployments and increase operational overhead.

Teams need a solution that not only provides context for their existing configuration but eliminates granular Tcl expertise as a prerequisite for meaningful contribution. Enterprises need iRules that can be upgraded confidently, scaled reliably, and adapted rapidly to meet modern application delivery and security demands.

An iRules expert on every team

AI Assistant conquers complex, modern challenges with purpose-built intelligence specifically designed to distribute expertise, reduce errors, and democratize iRules creation across teams. Equipped with platform-trained insights for the F5 Application Delivery and Security Platform and derived from thousands of real-world configurations, AI Assistant integrates explanation, generation, and optimization capabilities into a streamlined interface.

Generate tailored iRules through natural language

AI Assistant democratizes iRules creation, elevating teams of all skill levels to craft production-ready traffic policies with ease. Through intuitive natural language inputs, teams can define application requirements and deploy robust, reliable iRules without deep domain expertise or Tcl fluency. By lowering the barrier for entry, AI Assistant empowers organizations to scale policies faster and reduce operational bottlenecks tied to manual scripting. Built-in validation eliminates common errors and enforces proven best practices, ensuring every iRule is production-ready. Whether managing common traffic scenarios or addressing complex edge cases, AI Assistant empowers more teams to deliver reliable, context-tailored iRules to meet ever-changing demands.

Key features

Simplify explanations with natural language

Get explanations of iRules components, logic, and functionality through an intuitive natural language interface.

Ensure reliability with built-in validation

Automatically detect syntax errors, inconsistencies, and vulnerabilities during iRules creation.

Save time with intelligent generation

Deliver tailored iRules in minutes, trained on thousands of proprietary configurations.

Optimize inherited iRules for modern demands

AI Assistant streamlines the optimization of legacy and modern iRules across BIG-IP environments, turning outdated traffic configurations into reliable, consistent policies.

By detecting inefficiencies like duplicated rules, outdated directives, or resource bottlenecks, AI Assistant ensures legacy rules align with everyday demands and best practices. Teams can uniformly apply validated iRules across regions and architectures, maintaining reliability at scale without manual intervention. With real-time recommendations, AI Assistant equips organizations to adapt policies dynamically, extend the life of valuable traffic rules, and ensure peak performance across distributed environments.

Explain existing iRules

Understanding iRules becomes radically easier because AI Assistant turns complex Tcl configurations into natural language explanations, preserving institutional knowledge and breaking down silos. Teams gain a holistic understanding of how iRules functions across the entire BIG-IP environment, not just within their individual scope. By summarizing the purpose, structure, and impact of scripts, AI Assistant enables teams to identify potential issues, resolve misconfigurations, and maintain consistency across systems. This shared clarity ensures faster troubleshooting, reduced onboarding time, and seamless collaboration, keeping traffic policies aligned through staff turnover.

Build smarter iRules in less time

AI Assistant transforms the way enterprises manage iRules, reducing complexity and expanding accessibility across BIG-IP environments. By integrating explanation, generation, and optimization capabilities, AI Assistant enables teams of all skill levels to create production-ready traffic policies, optimize legacy configurations, and gain system-wide clarity. From automating workflows to enhancing system insights, AI Assistant empowers organizations to minimize operational bottlenecks, scale reliably, and adapt swiftly to evolving demands. AI Assistant unlocks the full potential of iRules, equipping teams with the expertise to achieve best-in-class application delivery and security.

Contact F5 to get started or learn more about AI Assistant.

