

Training: F5 Developing iRules for BIG-IP



TRAINING TERMS

2025-08-06 | 3 days | Kraków / Virtual Classroom
2025-09-03 | 3 days | Warszawa / Virtual Classroom
2025-10-01 | 3 days | Kraków / Virtual Classroom
2025-11-05 | 3 days | Warszawa / Virtual Classroom

TRAINING GOALS:

This course provides networking professionals a functional understanding of iRules development. The course builds on the foundation of the Administering BIG-IP v11 course, demonstrating how to logically plan and write iRules to help monitor and manage common tasks involved with processing traffic on the BIG-IP. Course Labs consist of writing, applying and evaluating the effect of iRules on LTM traffic. This hands-on course includes lectures, labs, and discussions.

Audience:

This course is intended for system administrators, network administrators and application developers responsible for the customization of traffic flow through a BIG-IP system.

CONSPECT:

- Setting Up the BIG-IP System
 - Introducing the BIG-IP System
 - Initially Setting Up the BIG-IP System
 - Archiving the BIG-IP Configurations
 - Leveraging F5 Support Resources and Tools
- Getting Started with iRules
 - Customizing Application Delivery with iRules
 - Triggering an iRule
 - Leveraging the DevCentral Ecosystem
 - Using the F5 iRule Editor
 - Assigning and Testing iRules
- Exploring iRule Elements

- Understanding Events and Event Context
- Introducing iRule Constructs
- Working with iRule Commands
- Working with User-Defined Variables
- Working with Operators and Data Types
- Working with Control Structures
- Logging from an iRule Using syslog-ng
- Incorporating Best Practices in iRules
- Developing and Troubleshooting iRules
 - Mastering Whitespace and Special Symbols
 - Developing and Troubleshooting Tips
 - Using Fiddler to Test and Troubleshoot iRules
- Optimizing iRules Execution
 - Understanding the Need for Efficiency
 - Measuring iRule Runtime Efficiency
 - Modularizing for Administrative Efficiency
 - Using Procedures to Modularize Code
 - Optimizing Logging
 - Implementing Other Efficiency Best Practices
- Securing Applications with iRules
 - Reviewing BIG-IP Security Features
 - Preventing Common HTTP Attacks
- Working with Numbers and Strings
 - Understanding Number Forms and Notation
 - Working with Strings
 - Parsing Strings
 - Combining Strings
 - iRule String Parsing Functions
- Focusing on HTTP Traffic
 - Reviewing HTTP Headers and Commands
 - Accessing and Manipulating HTTP Headers
 - Parsing the HTTP URI
 - Selectively Compressing HTTP Data
- Working with iFiles and Data Groups
 - Working with iFiles
 - Working with Data Groups

- Processing Data Groups
- Using iRules with Universal Persistence, Stream, and Statistics Profiles
 - Implementing Universal Persistence
 - Working with the Stream Profile
 - Working with the Statistics Profile
 - Using iStats
- Incorporating Advanced Variables
 - Using Advanced Variables
 - Using Static Variables
 - Understanding Global Variables
 - Using the Session Table
- Additional Training and Certification
 - Getting Started Series Web-Based Training
 - F5 Instructor Led Training Curriculum
 - F5 Professional Certification Program

REQUIREMENTS:

Before attending the Troubleshooting, ASM, DNS, APM, AAM, AFM, VIPRION or iRules courses is mandatory:

- to take part in the BIG-IP Admin or LTM course
- or possession of F5-CA or F5-CTS LTM certification
- or pass special assessment test with score 70% or greater.

To take assessment test:

Step 1: get an account on F5 University <https://university.f5.com>

Step 2: goto My Training and find Administering BIG-IP Course Equivalency Assessment

Take the test. Pass mark is 70%

Step 3: take a screen shot as proof of results

If this prerequisite is not met, F5 Networks have the right to refuse entry to the class.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by F5 Networks (course completion).

TRAINER:

Certified F5 Networks Trainer.