

## CTX-1701AI Citrix Application Firewall 8.1: Administration

This course introduces network and security administrators, engineers and managers to Citrix Application Firewall 8.1 and prepares them to configure, administer and perform basic troubleshooting on the product. Interactive instructor-led discussion, hands-on labs and exercises guide learners through tasks and prepare them to manage Citrix Application Firewall 8.1 deployments.

### Audience

This course is intended for security engineers, managers and network administrators who need to configure or manage Citrix Application Firewall 8.1.

### Preparatory Recommendations

Before taking this course, Citrix recommends that learners have the following:

- Intermediate knowledge of TCP/IP and HTTP protocols and an understanding of the OSI model
- Experience with network devices, such as routers and switches, various networking protocols and aspects of application and site architecture (such as DMZs and VLANS)
- Moderate exposure to UNIX (particularly BSD variants) or Linux
- Exposure to basic systems administration concepts, including logging, software upgrade procedures and high availability operations
- Familiarity with web server software, such as Apache, IIS and WebSphere
- Basic knowledge of DNS, SSL and related concepts
- Understanding of concepts related to server load balancing
- Knowledge of network security threats and site protection concepts, such as firewalls, worms and DDoS attacks

### Key Skills

Upon completion of this course, learners are able to:

- Identify common web attacks and vulnerabilities.
- Write PERL compatible regular expressions.
- Identify the features included in Citrix Application Firewall.
- Configure Citrix Application Firewall 8.1 to protect web applications.
- Configure logging and alerting on Citrix Application Firewall 8.1.
- Troubleshoot Citrix Application Firewall 8.1.

### Instructional Method

This course is an instructor-led training course with classroom discussion, demonstrations and the practical application of concepts through hands-on exercises.

### Course Length

4 days

### Certification Preparation

This course prepares learners for the CCA for Citrix Application Firewall 8.

### Registration

For more information and to register for this course, please go to [www.CitrixEducation.com](http://www.CitrixEducation.com).

### Topic Outline

Provided is the outline for CTX-1701AI:

- Module 1: Introductions and Course Overview
- Module 2: Citrix Application Firewall
- Module 3: Basic Application Firewall Set-up
- Module 4: Profile Creation
- Module 5: Policies and Expressions
- Module 6: Regular Expressions
- Module 7: Attacks and Protections
- Module 8: Content Filtering, Rewrite and Responder
- Module 9: Deployment Planning
- Module 10: Users and Groups
- Module 11: SSL Offload
- Module 12: Monitoring
- Module 13: Troubleshooting
- **Practical Lab**
  - In addition to the standard Citrix Education hands-on labs, this course includes a full day practicum that is designed to validate and test students' knowledge of the Application Firewall 8.1 material. Students have the opportunity to demonstrate their knowledge through hands-on exercises and short answer questions.