

RedWolf Tutorial (e-Learning)

Course Topics

- How to Approach DDoS Testing Safely
- Using RedWolf Control to Create and Launch a Test
- Creating Volumetric and Layer 7 DDoS Tests
- Introduction to Intermediate Complexity Attacks
- Understanding and Testing Modern Countermeasures

Class Format

Self-paced e-learning

Lesson 1 – Introductory Testing Methodology

- Planning for a Test
- Profiling Networks and Targets
- Baselining and Ramping-Up
- Measuring Impact on Targets
- Observations, Ranking and Reporting

Lesson 2 – RedWolf Control Portal

- Introduction to RedWolf Control Test Portal
- Running Basic Attack Vectors with Test Designer
- Ramping Up by Modifying Parameters
- Real-Time Dashboards

Lesson 3 – Introductory Volumetric Testing

- Bandwidth vs. Packet-Rate
- Testing, Scaling and Costing
- Protocols (ICMP, UDP, TCP), Payloads, Ports and Traffic Shaping
- High-Volume Rules-of-Engagement
- Identifying Common Failure Modes

Lesson 4 – Introductory HTTP / HTTPS Testing

- Understanding the HTTP Request
- Concurrency and Request Rate Control
- Advanced HTTP Options
- Generating 'Good' Traffic
- Identifying Common Failure Modes

Lesson 5 – Introductory Intermediate Attack Vectors

- Understanding Connection-Based DDoS
- Best Practices for SSL/TLS Testing
- Hit-and-Run Attacks
- Slow HTTP Attacks
- WAF Attacks

Lesson 6 – Testing Modern Defense Countermeasures

- Operational Monitoring and Visibility
- On-Premise Anti-DDoS Appliances
- Cloud Packet and Proxy Defenses
- On-Premise Firewalls, IPS and Load Balancers
- Application Controls

RedWolf Education Tracks

Program Manager: For those in charge of setting strategic direction, and setting testing strategy and tactical objectives.

Operations Teams: For organizations using RedWolf to test their networks, countermeasures, monitoring and applications.

Test Designers: For architects who will be designing RedWolf tests, including architects on staff at customer deployments and personnel at partner professional services.

Self-Service User: For users who will use the RedWolf self-service portal to implement tests.

Partner: For RedWolf OEM and channel partner support staff who will be providing first line support for RedWolf.

Tracks	Program Manager	Ops Teams	Test Designers	Self-Service	Partner
Planning	X				X
Profiling	X	X		X	X
Designing			X	X	X
Monitoring	X	X	X	X	
Testing			X	X	
Observing	X	X		X	
Defending	X	X	X	X	
Reporting		X		X	X

About RedWolf

RedWolf is an advanced security simulation platform. It gives you the ability to test all your security defense system against realistic attacks.

Visit our website at www.redwolfsecurity.com and start improving your security capability.

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