

Varnish Software Training Academy

Varnish Administrator & Web Development Course Agenda

Course Description

Attend this 3-day course to get in-depth, hands-on experience and insight into how to implement and set up Varnish for optimal performance, flexibility and scalability.

Prerequisites:

- Basic command line knowledge on UNIX-like systems.
- Knowledge about HTTP and cache headers.
- Regular expressions.

Target Audience:

Typical attendees are Systems Administrators, DevOps and Web developers or people with technical knowledge as outlined above.

Learning Objective

On completion of this course, attendees will be able to use the Varnish platform to:

- Successfully install and understand the Varnish architecture and concepts.
- Configure Varnish to support SSL/TLS
- Demonstrate the use of Varnish built-in management administration console via command line
- Use the Varnish Administration Console (VAC) for single point of administration of multiple Varnish instances
- Master the use of Varnish Configuration Language (VCL)
- Benefit from Cache invalidation, Load balancing & Content replication with Varnish High Availability (VHA)
- Understand lifetime of cached objects: TTL, grace, and keep. Monitoring Varnish, Tuning Varnish
- Demonstrate knowledge of enhanced cache invalidation (also known as x-keys)
- Control caching from the origin server
- Understand ESI content composition

Course structure:

This is an instructor-led course for groups of up to ten attendees. The course is 60% theory and 40% labs and is held in the classroom. This session comes with a certification opportunity included in the delivery, at the end of the second day. The course is held in English and all supporting materials are also in English.

