



NixOS Security Jumpstart Training

A 2-day intensive workshop on secure system configuration with NixOS

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Training Overview

This intensive 2-day workshop provides practical, hands-on training for system administrators and security professionals who want to leverage NixOS for improved security posture. The training focuses on NixOS's unique advantages for security, including reproducible system configurations, declarative management, secure package handling, and immutable deployments. Participants will learn how to implement, harden, and maintain NixOS systems with security best practices at the forefront.

Next Session

- Dates: August 15-16, 2026
- Times: 9:00 AM - 5:00 PM each day
- Format: Available in-person or live virtual
- Prerequisites: Basic Linux administration knowledge
- Price: \$1,195 per participant (includes materials, lunch for in-person attendees, and 30-day follow-up support)

Training Curriculum

Day 1: NixOS Foundations and Secure Configuration

Morning Session: NixOS Security Fundamentals - Introduction to NixOS and its security philosophy - Understanding the Nix expression language for secure configurations - The security advantages of declarative system management - Setting up a reproducible NixOS environment - Hands-on exercise: Building your first secure NixOS configuration



Afternoon Session: System Hardening with NixOS - Implementing baseline security controls in NixOS - Secure user and service management - Network security configuration in NixOS - Filesystem security and encryption - Hands-on exercise: Hardening a NixOS system

Day 2: Advanced Security and Deployment

Morning Session: Advanced NixOS Security Features - Package verification and trusted binary sources - Immutable system state and security implications - Rollbacks and system recovery from security perspective - Configuration testing and validation - Hands-on exercise: Implementing and testing advanced security controls

Afternoon Session: Secure Deployments and Management - NixOS deployment strategies for security-critical environments - Managing secrets in NixOS configurations - Monitoring and logging for security events - Automated security testing and compliance - Hands-on exercise: Deploying and managing a secure multi-component system

Learning Outcomes

By completing this training, participants will be able to:

- Build reproducible and secure NixOS system configurations
- Implement security hardening measures specific to NixOS
- Use declarative configuration to enforce security policies
- Manage secure package deployments with Nix
- Leverage NixOS's rollback capabilities for security incident recovery
- Create and manage immutable infrastructure
- Apply NixOS security principles to production environments
- Automate security testing and validation of configurations

Training Methods

Who Should Attend

This training is ideal for:

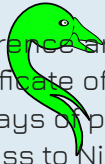
- System administrators seeking more secure infrastructure approaches
- Security professionals interested in immutable infrastructure
- DevOps engineers working in security-sensitive environments
- IT architects evaluating secure infrastructure options
- Security analysts looking to understand NixOS security advantages
- Organizations implementing zero-trust architecture

Participants should have basic Linux administration knowledge and familiarity with command-line interfaces. Prior experience with NixOS is helpful but not required.

Materials and Resources

Participants will receive:

- Comprehensive digital training manual
- NixOS security configuration templates
- Ready-to-use hardened NixOS modules
- Security testing scripts for NixOS



- Reference architectures for secure deployments
- Certificate of completion
- 30 days of post-training email support
- Access to NixOS security community resources

Instructor

This training is delivered by the CHENIST Team – experienced practitioners who combine deep technical expertise with practical, real-world teaching. Our trainers work on live engagements and bring current industry knowledge directly into the classroom.

Testimonials

Related Offerings

If you're interested in this training, you might also consider:

- NixOS Cybersecurity Course - Our comprehensive 12-week course for in-depth learning
- Linux Administration Fundamentals Training - For those needing more Linux background
- Cybersecurity Essentials Training - For a broader overview of security concepts

Download

Contact

Interested in this training?

- Email: office@chen.ist
- Web: [Book a free consultation](#)