



RED HAT TRAINING

Red Hat Certified Architect Language Course

Become a Red Hat Certified Architect. Master advanced Red Hat technologies to design robust, scalable enterprise solutions.

DURATION

176 Hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

The Red Hat Certified Architect (RHCA) Language Course at Computer Pride is an intensive, advanced program designed for seasoned IT professionals aiming to master the nuanced 'language' of complex Red Hat enterprise environments. This course delves deeply into the architectural principles and advanced operational constructs across key Red Hat technologies, including Red Hat Enterprise Linux (RHEL), Ansible Automation Platform, and OpenShift Container Platform. It focuses on developing a holistic understanding of how these powerful tools integrate and interact, enabling participants to design, implement, and manage highly available, scalable, and secure solutions.

Participants will gain profound fluency in the scripting, automation, configuration, and orchestration 'languages' essential for architecting enterprise-grade systems. Beyond technical commands and syntax, this course emphasizes the strategic application of Red Hat technologies to solve intricate business challenges, optimize performance, and ensure compliance. By completing this program, you will not only enhance your technical prowess but also elevate your ability to lead digital transformation initiatives, making you an indispensable asset in any organization leveraging open-source solutions.

Duration	176 Hours
Level	Intermediate
Vendor	Red Hat

COURSE CURRICULUM

01 Module 1: Advanced RHEL System Language & Design

- Mastering Advanced Systemd Unit Files and Slices
- Kernel Tuning and cgroups for Resource Management
- Complex Network Configuration and Troubleshooting
- SELinux Policy Language and Customizations
- Advanced Storage Management (LVM, VDO, Stratis)
- Performance Analysis and Optimization Methodologies

02 Module 2: Automation Language with Ansible & GitOps

- Designing Idempotent and Scalable Ansible Playbooks
- Advanced Role Development and Collection Usage
- Implementing Dynamic Inventories and Lookups
- Ansible Vault for Secure Credential Management
- Integrating Ansible with Version Control (GitOps Principles)
- Introduction to Ansible Tower/AWX for Enterprise Automation

03 Module 3: OpenShift Container Platform Language & Architecture

- Deep Dive into Kubernetes/OpenShift API and CLI
- Designing and Deploying Operators for Application Lifecycle Management
- Advanced Networking in OpenShift (SDN, Ingress, Egress)
- Persistent Storage Strategies for Containerized Workloads
- Securing OpenShift Clusters (RBAC, SCCs, Image Security)
- Implementing CI/CD Pipelines with OpenShift Pipelines (Tekton)

04 Module 4: Security, Identity, and Compliance Language

- Red Hat Identity Management (IdM) Architecture and Integration
- Implementing System Hardening with SCAP Workbenches

- Centralized Logging and Monitoring for Security Audits
- Managing Cryptographic Policies Across the Enterprise
- Designing Secure Multi-Tenant Environments
- Compliance Frameworks and Reporting with Red Hat Tools

05 Module 5: Architectural Design Patterns & Communication

- High Availability and Disaster Recovery Design Patterns
- Scalability and Performance Architecture
- Microservices Architecture on OpenShift
- Cloud Integration Strategies with Red Hat Solutions
- Documentation Best Practices for Complex Architectures
- Communicating Technical Architectures to Stakeholders

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Enterprise Solutions Architect (Red Hat Specialist)**
- > **Senior Cloud Infrastructure Architect (OpenShift/RHEL Focus)**
- > **Principal DevOps & Automation Lead**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or certifications are prerequisites for enrolling in the Red Hat Certified Architect Language Course?

This is an advanced course tailored for professionals with significant experience in Red Hat environments. We highly recommend holding a current Red Hat Certified Engineer (RHCE) certification or demonstrating equivalent expertise in RHEL system administration, networking, and basic automation with Ansible. Familiarity with virtualization, cloud concepts, and containerization will also be beneficial for optimal learning.

Q: How does this specific 'Language Course' directly contribute to achieving the broader Red Hat Certified Architect (RHCA) credential?

The Red Hat Certified Architect (RHCA) is an achievement earned by passing five or more advanced Red Hat certifications. This 'Language Course' is meticulously designed to provide the deep, integrated understanding and practical skills required to excel in multiple RHCA concentration exams, particularly those related to automation, cloud-native development, and enterprise architecture. While not a single exam prep course, it builds the comprehensive 'language' fluency that underpins success across various RHCA pathways, accelerating your journey towards the full RHCA credential by strengthening core architectural competencies.

Q: What real-world architectural challenges will I be equipped to solve using the specialized 'language' skills gained from this course?

Upon completing this course, you will be proficient in solving highly complex architectural challenges such as designing and implementing fully automated, self-healing enterprise infrastructure, migrating legacy applications to containerized platforms like OpenShift with robust CI/CD pipelines, establishing secure multi-tenant cloud environments, and optimizing system performance and scalability across hybrid cloud deployments using advanced Red Hat tools and methodologies. You'll be able to 'speak the language' of secure, automated, and resilient Red Hat solutions.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

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