Course Descriptions

- RH124 - Red Hat System Administration I
  - **Goal**: Administration, configuration, and rapid deployment of Red Hat Enterprise Linux is the foundation for efficient IT infrastructure. This course will build the foundation for new Linux system administrators to efficiently and securely resolve configuration issues, integrate Red Hat Enterprise Linux with other existing systems, manage user and group administration, and use available storage solutions.
    Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

  - **Prerequisite**: This course will build the foundation for those learning the key tasks to become a full-time Linux system administrator. As a result of attending this course, you should be able to perform essential Linux system administration tasks, including installation, establishing network connectivity, managing physical storage, and basic security administration.
  - **Audience**: Geared toward Linux system admins, DevOps engineers, infrastructure automation engineers, & systems design engineer.

- RH134 - Red Hat System Administration II
  - **Goal**: As a result of attending this course, you should be able to perform the key tasks needed to become a full-time Linux administrator. Students will be introduced to more advanced administrative topics, such as storage management using LVM, SELinux management, and automated installation. This course goes deeper into enterprise Linux administration, including file systems and partitioning, logical volumes, SELinux, firewall configuration, and troubleshooting.
  - **Prerequisite**: Red Hat System Administration II (RH134) is the second part of the RHCSA training track for IT professionals who have already attended Red Hat System Administration I. The course goes deeper into core Linux system administration skills in storage configuration and management, installation and deployment of Red Hat Enterprise Linux, management of security features such as SELinux, control of recurring system tasks, management of the boot process and troubleshooting, basic system tuning, and command-line automation and productivity. This course assumes that students have attended Red Hat System Administration I (RH124).

    - **Audience**: Geared toward **Linux** system **admins**, DevOps engineers, infrastructure automation engineers, & systems design engineers.

- RH294 - Red Hat Enterprise Linux Automation with Ansible
    - Goal: Bring operational efficiency by removing manual processes through automation.
        - Easily scale the organization's dynamic IT infrastructure.
        - Accelerate application time to value.
        - Rapidly adapt and implement needed innovation through DevOps practices.
        - Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.
    - **Prerequisite**: Learn how to automate Linux system administration tasks with Red Hat Ansible Automation Platform. Red Hat Enterprise Linux Automation with Ansible (RH294) is designed for Linux administrators and developers who need to automate repeatable and error-prone steps for system provisioning, configuration, application deployment, and orchestration. This course is based on Red Hat® Enterprise Linux® 9 and Red Hat Ansible Automation Platform 2.2.
    - **Audience**: Geared toward Linux system admins, DevOps engineers, infrastructure automation engineers, & systems design engineers.

- RH358 - Red Hat Services Management and Automation
    - **Goal**: This course will teach the skills of how to install, configure, and manage basic configurations of these services manually, and then use Red Hat Ansible® Engine to automate your work in a scalable, repeatable manner.
    - **Prerequisite**:Be a Red Hat Certified Engineer on RHEL 8, or demonstrate equivalent skills in Linux system administration and Ansible automation.
    - **Audience**: Linux system administrators, site reliability engineers, and other IT professionals with some Ansible experience who are interested in learning how to manage and automate the deployment, configuration, and operation of key network services included with Red Hat Enterprise Linux 8.

- RH415 - Red Hat Security: Linux in Physical, Virtual, and Cloud
    - **Goal**: This course will teach the skills of how to install, configure, and manage basic configurations of these services manually, and then use Red Hat Ansible® Engine to automate your work in a scalable, repeatable manner.

    - **Prerequisite**:Be a Red Hat Certified Engineer on RHEL 8, or demonstrate equivalent skills in Linux system administration and Ansible automation.
    - **Audience**: Linux system administrators, site reliability engineers, and other IT professionals with some Ansible experience who are interested in learning how to manage and automate the deployment, configuration, and operation of key network services included with Red Hat Enterprise Linux 8.

- RH436 - Red Hat High Availability Clustering
    - **Goal**: High availability clustering can improve reliability, availability, and resiliency of your mission-critical services, resulting in reduced downtime and easier hardware maintenance. Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.
    - **Prerequisite**:Red Hat Certified System Administrator (RHCSA) exam (EX200) and associated courses. Red Hat Cerfitied Engineer (RHCE) exam (EX294) and associated courses.
    - **Audience**: Linux system administrators, site reliability engineers, and other IT professionals with some Ansible experience who are interested in learning how to manage and automate the deployment, configuration, and operation of key network services included with Red Hat Enterprise Linux 8.

- RH403 - Red Hat Satellite 6 Administration
    - **Goal**:As modern organizations migrate to large scale virtualized and container-native hybrid cloud environments, the number of virtual machines and application hosts has greatly increased and become more complex to manage and secure. This course prepares senior system administrators to automate deployment, configuration, monitoring, building, and testing of managed hosts and the application workloads that run on those hosts. Automating operations and management tasks with Red Hat Satellite Server greatly reduces downtime, provides more consistent deployments, reduces configuration errors, and eliminates security gaps by providing faster installation of errata and product fixes.
    - **Prerequisite**:Achieve Red Hat Certified Engineer (RHCE) certification, or equivalent experience. Candidates are recommended but not required to have familiarity with Red Hat Satellite 6.
    - **Audience**: Linux system administrators, site reliability engineers, and other IT professionals with some Ansible experience who are interested in learning how to manage and automate the deployment, configuration, and operation of key network services included with Red Hat Enterprise Linux 8.

- RH442 - Red Hat Performance Tuning: Linux in Physical, Virtual and Cloud
    - **Goal**:As a result of attending this course, you should be able to obtain, analyze, and interpret system performance metrics, then use these metrics to help increase cost effectiveness, maximize application performance, and make better decisions about investment in hardware or cloud resources.
    - **Prerequisite**:Become a Red Hat Certified Engineer (RHCE®), or demonstrate equivalent experience
    - **Audience**:Senior Linux system administrators responsible for maximizing resource utilization through performance tuning

- RH342 - Red Hat Enterprise Linux Diagnostics and Troubleshooting
    - **Goal**:This course is intended to develop the skills needed to prevent costly downtime due to system failure and quickly recover failed systems using analysis, diagnosis, and troubleshooting.
    - **Prerequisite**:Have earned a Red Hat Certified System Administrator (RHCSA) or have similar experience. It is recommend that students have earned a Red Hat Certified Engineer (RHCE) or have similar experience
    - **Audience**:The Red Hat Enterprise Linux Diagnostics and Troubleshooting course is aimed at senior system administrators who wish to learn more about troubleshooting.

- RH445 - Red Hat Ansible Automation for SAP
    - **Goal**: Learn RH Ansible Automation for SAP.
    - **Prerequisite**: Basic system administration skills with a fundamental understanding of SAP and automation concepts.
    - **Audience**:IT leaders, SAP administrators, engineers, solution architects, and anyone else seeking a high-level understanding of using Red Hat Ansible to automate SAP workloads.

- DO316 - Managing Virtual Machines with Red Hat OpenShift Virtualization
    - **Goal**:OpenShift Virtualization allows organizations to realize operational savings by managing virtualized workloads and containerized workloads together using the same orchestration and clustering infrastructure provided by Red Hat OpenShift. Deploying Virtual Machines (VMs) on OpenShift also eases integration of traditional server-based applications with more modern cloud-native applications and their supporting practices such as CI/CD, DevOps, and SRE to take advantage of quicker time-to-market and other benefits from these

practices, without having to first redesign virtualized workloads as container-native workloads.
    - **Prerequisite**:Red Hat OpenShift I: Containers & Kubernetes (DO180) and is recommended but not required.
    - **Audience**:
        - Virtual Machine Administrators interested in moving virtualized workloads from traditional Hypervisors to OpenShift Virtualization.
        - Kubernetes Administrators (Cluster Administrators, Clusters Engineers) interested in supporting containerized and virtualized workloads in the same OpenShift cluster.
        - Site Reliability Engineers interested in using GitOps and Ansible Automation to manage Virtual Machines on OpenShift.

- DO313 - Red Hat Single Sign-on Administration
    - **Goal**: This course is intended to develop the skills needed to configure authentication and authorization for applications using single sign-on standards like OIDC and OAuth, resulting in improved security and simplified authentication and authorization.
    - **Prerequisite**: Red Hat JBoss Application Administration I is recommended but not required. Experience with writing web based applications using Node.js, HTML5, Quarkus, or Java EE/Jakarta EE is recommended but not required.
    - **Audience**: System Administrators responsible for administering Red Hat Single Sign-On servers.

- DO322 - Red Hat OpenShift Installation Lab
    - **Goal**: This course supports IT Operations teams whose organizations are either starting or expanding their Container Adoption Journeys. Proper planning and execution of installation steps help to ensure successful production environments that are more stable, secure, and reliable.
    - **Prerequisite**:
        - Achieving the Red Hat Certified Specialist in OpenShift Administration certification on OpenShift 4 is strongly recommended, or at least taking Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) before taking this course.
            - “Equivalent knowledge of Kubernetes” is not applicable here because performing anything other than a very minimal, all-defaults Full Stack Automated installation of OpenShift on a cloud provider requires knowledge of OpenShift cluster operators.

        - Achieving the Red Hat Certified System Administrator (RHCSA) certification or equivalent knowledge of Red Hat Enterprise Linux system administration before taking DO322 is also strongly recommended.
    - **Audience**:
        - Cluster administrators (Junior systems administrators, junior cloud administrators) interested in deploying additional clusters to meet increasing demands from their organizations.
        - Cluster engineers (Senior systems administrators, senior cloud administrators, cloud engineers) interested in the planning and design of OpenShift clusters to meet performance and reliability of different workloads and in creating work books for these installations.
        - Site reliability engineers (SREs) interested in deploying test bed clusters to validate new settings, updates, customizations, operational procedures, and responses to incidents.

- DO457 - Network Automation with Red Hat Ansible Automation Platform
    - **Goal**: Red Hat Ansible Automation Platform has as much potential to improve operational efficiency for network automation and administration as it does for traditional system administration automation. By effectively using the Red Hat Ansible Automation Platform, the network administration team can improve the efficiency, repeatability, quality, and consistency of its work and the organization's network infrastructure. In addition, by using Ansible, the same tools used to manage Red Hat Enterprise Linux and Microsoft Windows systems can be used to manage network infrastructure, enabling cross-platform commonality of tools and easier auditing of automation. This course is optimized for learners who are already experienced network administrators, but who do not have much experience with Ansible.
    - **Prerequisite**:
        - Experience with network administration, including a solid understanding of TCP/IP, routers, and managed switches
        - Familiarity with managing network devices from the command line, preferably with one or more of Cisco IOS, IOS XR, or NX-OS; Juniper Junos; or Arista EOS
        - Knowledge equivalent to Red Hat System Administration I (RH124) or better is recommended
        - Prior Ansible knowledge is not required
    - **Audience**: This course is designed for network administrators, network automation engineers, and infrastructure automation engineers who are

responsible for deploying, managing, and automating the network infrastructure of their organization or enterprise.

- RH199 - RHCSA Rapid Track
    - **Goal**:Administration, configuration, and rapid deployment of Red Hat Enterprise Linux is the foundation for efficient IT infrastructure. This training provides your team members with a solid foundation in Linux system administration, for improved ability to manage your infrastructure efficiently. It helps to provide better system reliability, improve efficient system and storage utilization, and respond faster and more accurately to system failures. This course will lay the foundation for new Linux system administrators to efficiently and securely resolve configuration issues, integrate Red Hat Enterprise Linux with other existing systems, manage user and group administration, and use available storage solutions. The rapid pace can quickly turn a computer professional with basic knowledge of Linux into a fully capable Linux administrator.
    - **Prerequisite**:You will be expected to already understand fundamental Linux computing concepts and be ready to practice the Red Hat Enterprise Linux methods for performing system administration tasks. Significant field experience working with Linux as a system administrator is recommended. If you do not have experience with fundamental Linux computer concepts, we advise you to start with the Red Hat System Administration I (RH124) course instead.
    - **Audience**:This course is geared toward Windows system administrators, network administrators, and other system administrators who are interested in supplementing current skills or backstopping other team members, in addition to Linux system administrators who are responsible for these tasks.

- DO180 - Red Hat OpenShift I: Containers & Kubernetes
    - **Goal**:As a result of attending this course, students will understand the architecture of Red Hat OpenShift clusters and of Kubernetes applications, and will be able to deploy, manage, and troubleshoot applications on OpenShift. Students will also be able to identify and escalate application and infrastructure issues to development teams, operation teams, and IT vendors.
    - **Prerequisite**: Containers, Kubernetes and Red Hat OpenShift Technical Overview (DO080) or equivalent knowledge of Linux containers. Getting Started with Linux Fundamentals (RH104) or equivalent proficiency in using a command line interface, ideally operating a Bash shell, is required.
    - **Audience**:

        - Primary: Platform Engineers, System Administrators, Cloud Administrators, and other infrastructure-related IT roles who are responsible for tier-1 support of infrastructure for applications.who are interested in managing OpenShift clusters and containerized applications.
        - Secondary: Enterprise Architects, Site Reliability Engineers, DevOps Engineers, and other application-related IT roles who are responsible for designing infrastructure for applications.
        - Developers and Site Reliability Engineers that are new to container technology should enroll in Red Hat OpenShift Development I: Introduction to Containers with Podman (DO188).

- DO280 - Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster
    - **Goal**:This course is intended to develop the skills needed to manage Red Hat OpenShift clusters and support containerized applications that are highly available, resilient, and scalable. Red Hat OpenShift is an enterprise-hardened application platform based on Kubernetes that provides a common set of APIs and abstractions that enable application portability across cloud providers and traditional data centers. Red Hat OpenShift adds consistency and portability of operational processes across these environments and can also be deployed as a managed service. A Red Hat SRE team shares the responsibility of managing Red Hat OpenShift clusters with a customer's IT operations team when using a managed OpenShift offering such as Red Hat OpenShift on AWS (ROSA) or Azure Red Hat OpenShift (ARO).
    - **Prerequisite**:Red Hat OpenShift Administration I: Operating a Production Cluster (DO180v4.14), or equivalent skills deploying and managing Kubernetes applications using the OpenShift web console and command-line interfaces. Significant experience with Linux System Administration is not needed for this course. Basic skills operating a Bash shell, manipulating files and processes, and verifying system confirmations such as network addresses are necessary and sufficient. Students are encouraged to take Getting Started with Linux Fundamentals (RH104) before enrolling in DO280
    - **Audience**:Platform Administrators, System Administrators, Cloud Administrators, and other infrastructure-related IT roles who are responsible for managing and maintaining infrastructure for applications. Enterprise Architects, Site Reliability Engineers, DevOps Engineers, and other application-related IT roles who are responsible for designing infrastructure for applications.

- DO370 - Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation
    - **Goal**:Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation supports IT operations teams whose organizations are expanding upon their container adoption journeys. The curriculum enables companies to quickly and automatically provision storage to applications meeting varying requirements crucial to support their organization's digital transformation initiatives and expand their portfolio of containerized applications.
    - **Prerequisite**:Red Hat Certified Specialist in OpenShift Administration exam (EX280) or equivalent knowledge for the roles of Red Hat OpenShift cluster engineer or SRE. Red Hat Certified System Administrator exam (EX200) or equivalent knowledge of Linux system administration is recommended for all roles. While not required, students who have completed Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise (DO380) will have advanced knowledge of the Red Hat OpenShift platform in preparation for implementing and working with Red Hat Openshift Data Foundation (formerly Red Hat OpenShift Container Storage). Basic knowledge of Red Hat Ansible Automation Platform is recommended but not required.
      Basic knowledge of storage technologies, such as disk types, SAN, and NAS is recommended.
    - **Audience**:The intended audience for this course includes:
        - **Cluster administrators** (systems administrators, cloud administrators, cloud engineers)
        - **Cluster engineers** (systems administrators, cloud administrators, cloud engineers)
        - **Site reliability engineers** (SREs)

- DO380 - Red Hat OpenShift Administration III : Scaling Kubernetes Deployments in the Enterprise
    - **Goal**:This course supports IT operations teams that are in the prepare and expand stages of their Container Adoption Journey. The curriculum enables companies to innovate faster, scale based on customer demand, and proactively manage a growing number of OpenShift clusters that host cloud-native and cloud-compatible applications.
    - **Prerequisite**:Complete Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster(DO280) and become a Red Hat Certified Specialist in OpenShift Administration. Complete Red Hat System Administration II (RH134) and become a Red Hat Certified System Administrator. Recommended, but not required: become a Red Hat Certified Systems Engineer or a Red Hat

Certified Specialist in Ansible Automation. Basic knowledge about writing and running Ansible playbooks is desired.
    - **Audience**:Primary: Platform Engineers, System Administrators, Cloud Administrators, and other infrastructure-related IT roles who are responsible for implementing and managing infrastructure for applications. Secondary: Enterprise Architects, Site Reliability Engineers (SRE), DevOps Engineers, and other application-related IT roles who are responsible for designing infrastructure for applications.

- DO480 - Multicluster Management with Red Hat OpenShift Platform Plus
    - **Goal**:Multicluster Management with Red Hat OpenShift Platform Plus teaches the advanced skills required to take control of multiple OpenShift clusters using the suite of tools included with the product bundle. Students will learn how to combine the capabilities and workflows of Advanced Cluster Manager with Advanced Cluster Security and Quay Enterprise to automate and validate deployment of infrastructure and application security.
    - **Prerequisite**:Completing Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280) and Red Hat Certified OpenShift Administrator Certification (EX280) are strongly encouraged, or possessing equivalent basic Kubernetes and OpenShift administration skills
    - **Audience**:System Administrators, Developers, Site Reliability Engineers, and IT Architects interested in managing and automating the management of a fleet of OpenShift clusters, possibly in different data centers and cloud providers.

- DO328 - Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh
    - **Goal**:Microservice architectures with Red Hat OpenShift Service Mesh enable organizations to improve application security, resilience, and scalability, while decreasing developer overhead. Red Hat OpenShift Service Mesh adds an additional level of security for data in transit with mutual TLS encryption and a zero-trust network. This leads organizations to improved time to market, as well as improved insight into their microservice architecture, by being able to visualize and trace data flow throughout their applications. These insights can dictate better resource allocation for applications as well as more quickly identifying defects in specific microservices.
    - **Prerequisite**:Attending Red Hat Cloud-native Microservices Development with Quarkus (DO378) or demonstrating equivalent experience in creating microservice applications is recommended, but not required. Attending Red Hat OpenShift I: Containers & Kubernetes (DO180) and Red Hat OpenShift

Development II: Containerizing Applications (DO288), and passing the Red Hat Certified Specialist in OpenShift Application Development exam (EX288), or possessing basic OpenShift experience, is strongly recommended.
    - **Audience**:This course is designed for developers who want to deploy, manage, and secure microservices applications on Red Hat OpenShift.

- RH174 - Managing CentOS Migrations and RHEL Upgrades
    - **Goal**: This course is intended to enable customers to transition successfully from CentOS Linux to Red Hat Enterprise Linux. Included in this offering are methods that:
        - Support the community-to-supported conversion
        - Provides an overview of the migration process, discussing risks and ways to avoid or mitigate them
    - **Prerequisite**: Become a Red Hat Certified System Administrator (RHCSA) or demonstrate equivalent skills with RHEL and CentOS Linux
    - **Audience**: System administrators, DevOps engineers, IT Professionals responsible for planning and performing the conversion

- CL110 - Red Hat OpenStack Administration I: Core Operations for Domain Operators
    - **Goal**: This course is intended to develop the skills needed to utilize and manage the daily operation of a private cloud. A private cloud can reduce costs through fine-grained resource control, simplifying regulatory compliance, and permitting easier integration with legacy systems. Using the skills taught by this course, users and operators will be able to create and use project resources built of networks and services running running templated applications, in customizable and adaptable configurations, virtually eliminating the need to build physical systems for any new projects. This release brings major enhancements and stabilization, including service containerization, new installation and management tools, a newly designed application load balancing component, and a significant expansion of features supported by the OpenStack CLI. Also, clients can use various installation tools, most noticeably PackStack, which is completely deprecated.
    - **Prerequisite**:Become a Red Hat Certified System Administrator (RHCSA) or demonstrate equivalent experience. If you are not a RHCSA, you can take a skill assessment to gauge your level of knowledge.
    - **Audience**: This course is designed for cloud users who deploy application instances and stacks, domain operators who manage resources and security for cloud users, and any other cloud personnel interested in, or responsible for, maintaining applications on private or hybrid OpenStack clouds. Any cloud

persona, or personnel with roles that include performing technology evaluation, should attend this course to learn RHOSP operation and application deployment methods.

- CL260 - Cloud Storage with Red Hat Ceph Storage
    - **Goal**: Reliable and performant data storage is a critical component for enterprise application and infrastructure solutions. Software-defined storage offers organizations the flexibility to grow their data storage requirements while enabling applications to operate at cloud-scale. Red Hat Ceph Storage leverages commodity hardware to create distributed and scalable storage volumes that are both fault-tolerant and provide access via object, block, and file data levels. Successful planning, deployment and operation of a storage cluster can be achieved through completion of Cloud Storage with Red Hat Ceph Storage course.
    - **Prerequisite**:Red Hat Certified System Administrator (RHCSA) certification, or equivalent experience. For candidates that have not earned an RHCSA or equivalent, confirmation of the correct skill set knowledge can be obtained by taking the online skills assessment. Some experience with storage administration is recommended but not required.
    - **Audience**: This course is intended for storage administrators and cloud operators who want to learn how to deploy and manage Red Hat Ceph Storage on servers in an enterprise data center or within a Red Hat OpenStack Platform or OpenShift Container Platform environment.

- CL210 - Red Hat OpenStack Administration II: Day 2 Operations for Cloud Operators
    - **Goal**: Course attendees will learn how to operate and manage a Red Hat OpenStack Platform installation using all of the common core features and services used by enterprise private/hybrid cloud customers. Successful attendees will be able to monitor, troubleshoot, and automate operations handling compute, storage, networking, deployment, and application support resources and services tailored to their enterprise needs.
    - **Prerequisite**:Be a Red Hat Certified Engineer (RHCE), Red Hat Certified Specialist in Ansible Automation, or demonstrate equivalent experience. For candidates that have not earned an RHCE or equivalent, confirmation of the correct skill-set knowledge can be obtained by taking our free assessment to gauge whether this offering is the best fit for your skills. Attend Red Hat OpenStack Administration I: Core Operations for Domain Operators (CL110), or demonstrate equivalent experience.

    - **Audience**: Cloud operators responsible for managing daily operations and automation. Infrastructure architects interested in or responsible for maintaining a large-scale private or hybrid cloud.

- RH362 - Red Hat Security: Identity Management and Active Directory Integration
    - **Goal**:Businesses will be able to integrate and centralize lifecycle management and security policy implementation and enforcement, and extend that consolidated management to additional enterprise configuration management products from the Red Hat portfolio, including Red Hat Ansible Automation Platform and Red Hat Satellite Server.
    - **Prerequisite**:An RHCE certification or equivalent skill is a prerequisite to this course.
    - **Audience**: Red Hat Certified System Engineers (RHCE) who wish to learn how to provision and configure centralized identity management solutions for Linux clients and how to integrate them with other network services and identity management systems.
        - Identity Management specialists or engineers
        - Access Management specialists or engineers

- DO188 - Red Hat OpenShift Developer I: Introduction to Containers with Podman
    - **Goal**: A container-based architecture improves application reliability, scalability, and facilitates continuous integration and continuous deployment. This course provides the foundation needed for OpenShift development and is the entrypoint to digital transformation through application containerization
    - **Prerequisite**: Some experience with web application architectures and their corresponding technologies. Experience in the use of a Linux terminal session, issuing operating system commands, and familiarity with shell scripting is recommended
    - **Audience**: Developers and Site Reliability Engineers that are new to container technology. System administrators and platform operators who are interested in managing OpenShift clusters and containerized applications should enroll in Red Hat OpenShift Administration I: Containers & Kubernetes (DO180)

- DO417 - Microsoft Windows Automation with RH Ansible Automation
    - **Goal**: Effective use of Red Hat Ansible Automation for the Windows IT infrastructure helps improve operational agility while ensuring necessary security, consistency, and repeatability of management operations. In conjunction with

training on Linux and network automation from Red Hat, cross-platform automation solutions managed from a single pane of glass become feasible.
    - **Prerequisite**: You are expected to have experience as Windows Server administrators, but no previous experience with Red Hat Ansible Automation or Linux® is required.
    - **Audience**: Windows Server administrators interested in automating management tasks and in using automation tools to implement their DevOps workflow.

- TL112 - Introduction to Pragmatic SRE
    - **Goal**: Organizations moving toward DevOps transformation may consider implementing practices defined in Site Reliability Engineering. This course provides the fundamental concepts and terminology required for teams to speak a common language and gain a shared understanding of how to implement SRE within their teams.
    - **Prerequisite**: There are no prerequisites for this course.
    - **Audience**: DevOps Practitioners, System Administrators, Software Developers

- DO288 - Red Hat OpenShift Development II: Containerizing Applications
    - **Goal**: This course provides application developers with the essential skills to design, build, and deploy containerized applications, whether they are migrating existing applications to OpenShift, or creating new cloud-native applications. It provides the gateway to organizational and digital transformation by demonstrating the potential of DevOps using a container-based architecture.
    - **Prerequisite**: Complete Red Hat OpenShift I: Containers & Kubernetes (DO188), or have equivalent knowledge.
    - **Audience**: Enterprise application developers, DevOps site reliability engineers

- DO400 - Red Hat DevOps Pipelines and Processes: CI/CD with Jenkins, Git, and Test-driven Development (TDD)
    - **Goal**: DevOps with Jenkins, Test-Driven Development, and Git version control, improves application time-to-market and code quality. This approach makes applications more resilient and enables organizations to quickly implement new features and respond to a quickly changing market.
    - **Prerequisite**: Experience with application development in Java, Node.js, Python, or others is required. Experience with application development or Red Hat Application Development I: Programming in Java EE (AD183) is recommended, but not required. Proficiency in using an IDE such as Red Hat® Developer Studio or

VSCode Introduction to OpenShift Applications (DO101) is recommended, but not required.
    - **Audience**: This course is designed for application developers.
- DO374 - Developing Advanced Automation with Red Hat Ansible Automation Platform
    - **Goal**: DevOps with Jenkins, Test-Driven Development, and Git version control, improves application time-to-market and code quality. This approach makes applications more resilient and enables organizations to quickly implement new features and respond to a quickly changing market.
    - **Prerequisite**:Red Hat Enterprise Linux Automation with Ansible (RH294), Be a Red Hat Certified Engineer (RHCE®) on Red Hat Enterprise Linux 8 or later, or demonstrate equivalent Ansible experience
    - **Audience**: This course is designed for users who create automation content, including these roles:
        - Developers
        - DevOps engineers
        - Linux system administrators
        - Other IT professionals with basic expertise using Red Hat Ansible Automation Platform to automate, provision, configure, and deploy applications and services in a Linux environment

- DO467 - Managing Enterprise Automation with Red Hat Ansible Automation Platform
    - **Goal**: Deploy efficient and reliable management of your Ansible automation infrastructure to streamline IT automation of systems in your enterprise, increasing your cost savings and operational efficiency.
    - **Prerequisite**:Be a Red Hat Certified Engineer (RHCE®) on Red Hat Enterprise Linux 8, or demonstrate equivalent Ansible experience. Complete Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374). Complete EX374 to achieve Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform on Red Hat Ansible Automation Platform 2.
    - **Audience**: This course is designed for users who need to provide, manage, and maintain Ansible automation infrastructure for their organizations, including these roles:
        - Ansible automation engineers and architects
        - Linux system administrators supporting automation operations
        - DevOps engineers

- CS220 - Creating and Configuring Production ROSA Clusters

- **Goal**: After completing CS220, students can create private ROSA clusters which are integrated with AWS infrastructure services typically employed by IT operations teams and ready to start onboarding applications and developers.
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- **Prerequisite**: DO120 - Introduction to Red Hat OpenShift on AWS (ROSA) or equivalent experience: "I know how to create and access a public ROSA cluster.". AWS administration at the level of either AWS Certified SysOps Administrator - Associate or AWS Certified Solutions, Architect - Associate, or equivalent experience: "I know how to manage AWS infrastructure services.". Basic knowledge of OpenShift from **DO080 Technical Overview:** "I know basic concepts of OpenShift and containers."
- **Audience**: Platform Engineers, Cloud Administrators, System Administrators and other infrastructure-related IT roles who are responsible for providing and supporting infrastructure for applications deployed on AWS. Enterprise Architects, Site Reliability Engineers, DevOps Engineers, and other application-related IT roles who are responsible for designing infrastructure for applications deployed on AWS.

- TL250 - Red Hat Training: Open Practices for your DevOps Journey
    - **Goal**: Organizations engaged in a DevOps transformation journey need a proven and diverse toolkit for successfully navigating cross-functional projects. Using a set of well-defined and tested practices developed within Red Hat, customers will benefit from re-thinking their approach to project and product development, accelerating time to market while introducing workflows designed to achieve continuous integration and delivery..
    - **Prerequisite**: There are no prerequisites for this course.
    - **Audience**:
        - Project Managers, Agile Coaches, Scrum Masters: Individuals facilitating project planning and execution who wish to adjust their approach and incrementally move the organization toward DevOps.
        - System Administrators, SRE, application developers: Technical project team members participating in discovery, planning, and execution phases will accelerate the completion of these practices with greater detail.
        - Leadership, product owners, key stakeholders: Individuals with a vested interest in project success or who provide oversight, goals, and objectives for why the project is needed will have greater insight into the process and ensure their requirements are captured.

- DO378 - Red Hat Cloud-native Microservices Development with Quarkus
    - **Goal**: Organizations are striving to make the move from monolithic applications to applications based on microservices, as well as how to reorganize their development paradigm to reap the benefits of microservice development in a DevOps economy. With Quarkus, developers can more quickly build, test, and deploy their applications, improving application time to market. Organizations are also invested in the familiarity of Java™ programming frameworks as well as the stability and benefits Red Hat OpenShift Container Platform. This course teaches developers how to leverage microservice application development with Quarkus for streamlined deployment on OpenShift clusters.
    - **Prerequisite**: Experience with Java application development or Red Hat Application Development I: Programming in Java EE (JB183), Be proficient in using an IDE such as Visual Studio Cod.
    - **Audience**: This course is designed for Java application developers.

- AD221 - Cloud-native Integration with Red Hat Fuse
    - **Goal**: Accelerate cloud-native integration with Red Hat Fuse and Camel, resulting in less development time spent maintaining and designing integration solutions with enterprise patterns.
    - **Prerequisite**: Experience with Java application development or Red Hat Application Development I: Programming in Java EE (AD183). Be proficient in using an IDE such as Visual Studio Code. Experience with Maven and version control is recommended, but not required. Experience with Red Hat OpenShift or Introduction to OpenShift Applications (DO101) is recommended, but not required.
    - **Audience**: This course is designed for Java developers focused on implementing integration solutions in an enterprise.

- AD482 - Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams
    - **Goal**: Organizations are recognizing that traditional synchronous applications are not able to scale consistently and adjust to the massive amounts of data from customers while still meeting customers' expectations of immediate results. With event-driven applications using Kafka and AMQ Streams, organizations can

expect to be able to globally scale their applications, store and stream process data, and provide feedback to customers with extremely low latency.
    - **Prerequisite**: Experience with microservice application development and design, such as DO378 or equivalent experience. OpenShift experience is recommended, but not required.
    - **Audience**: Application developers with microservice development experience.

- DO244 - Developing Applications with Red Hat OpenShift Serverless and Knative
    - **Goal**: Cloud-native serverless applications minimizes the effort spent configuring and scaling infrastructure, allowing developers and Site Reliability Engineers (SREs) to bring products and services to market quickly. Red Hat OpenShift Serverless allows organizations to decrease development time by focusing on the core business functions of their applications, and allows integration with both internal and external applications. Developers can rapidly build event-driven custom workflows using standard protocols and familiar developer tooling. SREs can automate tasks with simple functions that respond to events.
    - **Prerequisite**:Complete Red Hat OpenShift I: Containers & Kubernetes (DO180) or demonstrate equivalent knowledge. Complete Red Hat OpenShift Development II: Containerizing Applications (DO288) or demonstrate equivalent knowledge. Experience programming REST APIs in Java or JavaScript (Node.js) is required.
    - **Audience**: Cloud-native application developers interested in developing serverless applications. Site Reliability Engineers and OpenShift Administrators interested in using serverless technologies to automate operations and developing utility tools to manage and monitor their applications.

- DO328 - Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh
    - **Goal**: Microservice architectures with Red Hat OpenShift Service Mesh enable organizations to improve application security, resilience, and scalability, while decreasing developer overhead. Red Hat OpenShift Service Mesh adds an additional level of security for data in transit with mutual TLS encryption and a zero-trust network. This leads organizations to improved time to market, as well as improved insight into their microservice architecture, by being able to visualize and trace data flow throughout their applications. These insights can dictate better resource allocation for applications as well as more quickly identifying defects in specific microservices.

    - **Prerequisite**:Attending Red Hat Cloud-native Microservices Development with Quarkus (DO378) or demonstrating equivalent experience in creating microservice applications is recommended, but not required. Attending Red Hat OpenShift I: Containers & Kubernetes (DO180) and Red Hat OpenShift Development II: Containerizing Applications (DO288), and passing the Red Hat Certified Specialist in OpenShift Application Development exam (EX288), or possessing basic OpenShift experience, is strongly recommended.
    - **Audience**:This course is designed for developers who want to deploy, manage, and secure microservices applications on Red Hat OpenShift.

- AD248 - Red Hat JBoss Application Administration I
    - **Goal**: This course is intended to develop the skills needed to minimize time to market for applications, and to simplify administration tasks. These skills are suitable for organizations seeking to increase application stability and cut costs for managing applications.
    - **Prerequisite**: Base experience with system administration on Microsoft Windows, UNIX, or Linux® operating systems. Basic understanding of TCP/IP networking. No prior knowledge of Java or shell scripting is required.
    - **Audience**: System administrators who are either new to Red Hat JBoss or have experience with Red Hat JBoss Enterprise Application Platform 7.

- AD141 - Python Programming with Red Hat
    - **Goal**: Python is the language of choice for engineering and operations teams in the domain of AI/ML, data science, scientific computing, system administration scripts, and modern cloud-native microservices development. With its simple and readable syntax, its large and powerful standard library, and enormous ecosystem of third party libraries, Python allows organizations to experiment, prototype and bring solutions to market quickly and efficiently.
    - **Prerequisite**: There are no prerequisites for this course.
    - **Audience**:
        - System administrators and DevOps personnel who want to use Python to automate operating system tasks
        - Developers from other programming languages who want to learn Python for writing applications
        - AI/ML, data scientists, and engineers who want to use Python for data analysis and machine learning

- AD183 - Red Hat Application Development I: Programming in Java EE
    - **Goal**: This course is intended to develop the skills needed to make the transition from Java SE programming to Java EE programming. This course introduces core concepts of multi-tiered Java Enterprise applications and gives you experience writing, deploying, and testing Java EE applications. You will use various tools from the Red Hat JBoss middleware portfolio, including JBoss Developer Studio, Maven, and the JBoss Enterprise Application Platform application server.
    - **Prerequisite**: There are no prerequisites for this course.
    - **Audience**: This course is designed for Java developers who want to learn more about the specifications that comprise the world of Java Enterprise Edition (Java EE).
- CS120- Introduction to Red Hat OpenShift Service on AWS
    - Get in touch to find out more about.
- CS 121- Introduction to MS Azure Red Hat OpenShift
    - Get in touch to find out more about.
- AI267 Developing Event-Driven Applications on RH OpenShift AI
    - Get in touch to find out more about.
- RH!04 Getting Started with Linux Fundementals
    - Get in touch to find out more about.