

RED HAT TRAINING AND CERTIFICATION CURRICULUM: RED HAT OPENSTACK PLATFORM

DATASHEET

HIGHLIGHTS:

- Training and exams available on **five** continents
- Courses and exams delivered in **nine** languages
- Over **200** countries have Red Hat Certified Professionals
- **Tens of thousands** of students trained and certified in 2015
- **16+** years of training and certification experience

FEATURES:

- Hands-on labs and training
- Performance-based exams

OVERVIEW

Greater operational efficiency, ability to innovate, and cost savings are the top reasons companies deploy OpenStack®.¹ But according to a survey by TechValidate, 65% of IT leaders say that their teams are unable to manage and deploy Infrastructure-as-a-Service (IaaS).²

Red Hat® OpenStack Platform delivers an integrated foundation to create, deploy, and scale a secure and reliable public or private OpenStack cloud. Red Hat's broad portfolio of open source solutions are used in some of the world's most demanding datacenters, in industries including airline, telecommunications, commercial banking, healthcare, and federal government. In fact, more than 90% of Fortune Global 500 companies use Red Hat products and solutions.³

Red Hat incorporates this real-world production experience into training, certification, and consulting services. Professionals trust Red Hat Training and Certification to enhance and prove their skills in OpenStack, Linux®, containers, and more.

Red Hat's robust OpenStack curriculum is the foundation for developing skills related to OpenStack technologies. This OpenStack curriculum offers a path for every skill level, from Linux beginners to the most experienced Linux IT professional. Gain robust Linux skills, learn an OpenStack proof of concept, and learn how to deploy and manage network and storage resources in OpenStack.

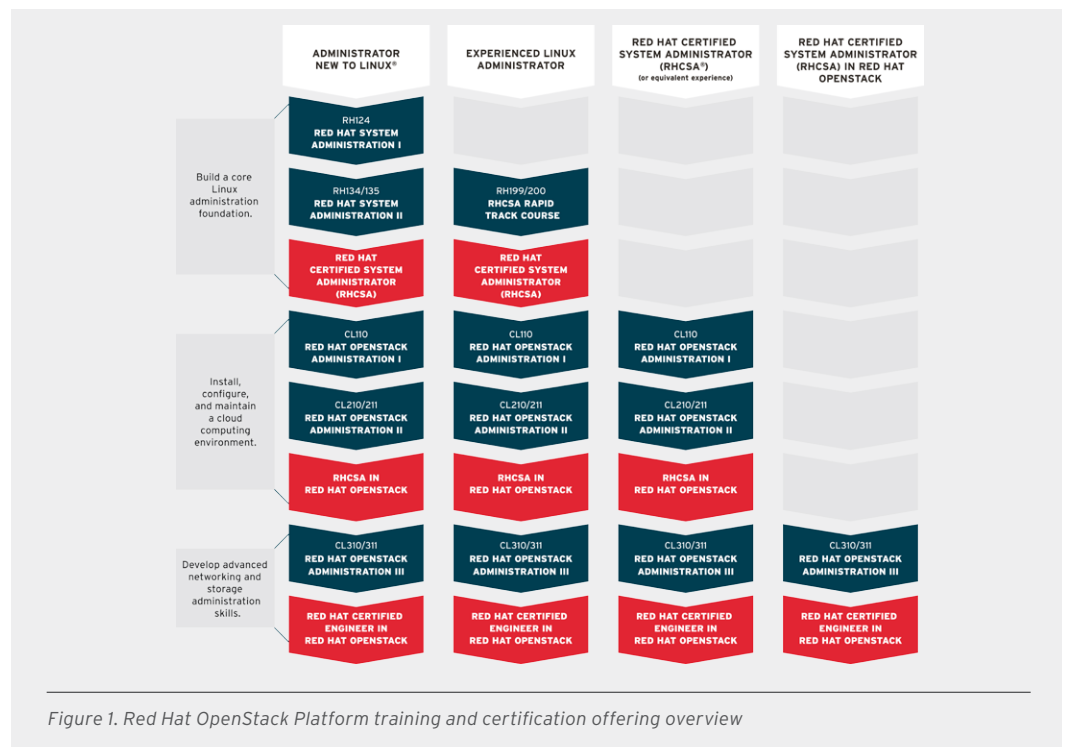
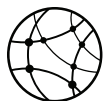


Figure 1. Red Hat OpenStack Platform training and certification offering overview



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1 OpenStack User Survey, May 2015.
2 TechValidate, Red Hat Enterprise Linux Research Chart: Current Technology Skills. <https://www.techvalidate.com/tvid/BE7-722-191>
3 Red Hat client data and Fortune Global 500 list, 2014.



RED HAT LEARNING SUBSCRIPTION

Red Hat Learning Subscription delivers access to the entire Red Hat online training portfolio in a single, annual subscription. Take over 50 online and video courses, as well as certification exams, on your own time—without the expense of travel or time out of the office.







- **92%** of subscribers say having immediate access to the latest course content through Red Hat Learning Subscription has helped them better maintain technical skills.⁴
- **96%** of subscribers say that unlimited access to Red Hat online training content has improved their ability to adopt new and emerging technologies.⁴

Learn more at redhat.com/en/services/training/learning-subscription


⁴ Red Hat Learning Subscription subscriber survey, May 2016.

TRAINING AND EXAM METHODS


TABLE 1. RED HAT TRAINING AND CERTIFICATION WAYS TO TRAIN KEY

	In-person classroom
Live, performance-based classroom training with hands-on labs and instruction.	
	Virtual classroom
Live, real-time training by instructors in an online environment.	
	Online training
A 90-day subscription to the course content. Includes webinars, 80 hours of hands-on lab access, and course materials.	
	Video classroom
A 90-subscription to dynamic video training, 80 hours of hands-on lab access, course content e-Books, and email-based support.	
	Private on-site
All courses and exams are available for private delivery at your office, in our classrooms, or online.	
	Individual exams
Hands-on tests taken on a secure, preconfigured testing station at a Red Hat location or Red Hat partner location.	

RED HAT ENTERPRISE LINUX CORE CURRICULUM

Red Hat System Administration I (RH124)  red.ht/rh124

Part 1 of the core system administration tasks need for Red Hat Enterprise Linux, focusing on providing students with key Linux administration skills needed to become a full-time Linux administrator.

Red Hat System Administration II (RH134)  red.ht/rh134

Part 2 of the core system administration tasks needed for Red Hat Enterprise Linux, focusing on the key Linux administration tasks needed to become a full-time Linux administrator.⁵

RHCSA® Rapid Track (RH199)  red.ht/rh199

Designed for students who already have significant experience with Linux administration, this course reviews the tasks covered in Red Hat System Administration I (RH124) and II (RH134) at an accelerated pace.

⁵ RH135, RH200, and RH255 course versions include the related certification exam.

96% of our students say they are better prepared to maximize the value of their Red Hat technology investment after taking our training.⁶

93% of Red Hat Certified Professionals agree that Red Hat's hands-on testing approach provides a better measure of skills and knowledge.⁷

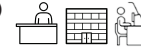
82% of job postings on popular job sites for IT professionals with Linux certifications are for Red Hat Certified Professionals.⁸

⁶ Based upon global, post-class survey of 9,583 students conducted September 1, 2015-February 29, 2016.

⁷ Based on 166 responses to a 2015 Red Hat certification survey.

⁸ tomsitpro.com/articles/linux-certifications,2-654.html

Red Hat Certified System Administrator (RHCSA) exam (EX200)



red.ht/ex200

Prove your skills and knowledge in core system administration of Red Hat Enterprise Linux by taking the Red Hat Certified System Administrator exam (EX200). Passing the exam earns you certification as an RHCSA.

RED HAT OPENSTACK PLATFORM CURRICULUM

Red Hat OpenStack Technical Overview (CL010)



red.ht/cl010

Watch this on-demand video series to gain a better understand of the basics of cloud computing and Red Hat OpenStack Platform. Several online demonstrations and use cases are included.

Red Hat OpenStack Administration I (CL110)



red.ht/cl110

Designed for system administrators who intend to implement a cloud computing environment using Red Hat OpenStack Platform, this course teaches students to install a proof of concept and configure, use, and maintain Red Hat OpenStack Platform.

Red Hat OpenStack Administration II (CL210)



red.ht/cl210

This course teaches system administrators how to implement a cloud computing environment using Red Hat OpenStack Platform 8, including installation, configuration, and maintenance.

Red Hat Certified System Administrator (RHCSA) in Red Hat OpenStack exam (EX210)



red.ht/ex210

Prove your skills, knowledge, and abilities on creating, configuring, and managing private clouds using Red Hat OpenStack Platform. By passing the exam, you earn RHCSA in Red Hat OpenStack certification.

Red Hat OpenStack Administration II with exam (CL211)



red.ht/cl211

This course teaches system administrators how to implement a cloud computing environment using Red Hat OpenStack Platform 8, including installation, configuration, and maintenance. Immediately after the course, prove your skills, knowledge, and abilities on creating, configuring, and managing private clouds in the exam (EX210). By passing the exam, you earn RHCSA in Red Hat OpenStack certification.

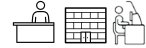
Red Hat OpenStack Administration III (CL310)



red.ht/cl310

This course uses extensive hands-on training to teach experienced system administrators how to use the distributed storage features of Red Hat Ceph Storage and the networking capabilities of OpenStack Neutron, as well as how to deploy, manage, and configure storage and OpenStack.

Red Hat Certified Engineer (RHCE®) in Red Hat OpenStack exam (EX310)



red.ht/ex310

Prove your ability to integrate Red Hat OpenStack Platform services with Red Hat Ceph Storage and implement advanced networking features using OpenStack Neutron. Passing the exam earns you RHCE in Red Hat OpenStack certification.

Red Hat OpenStack Administration III with exam (CL311)



red.ht/cl311

This course uses extensive hands-on training to teach experienced system administrators how to use the distributed storage features of Red Hat Ceph Storage and the networking capabilities of OpenStack Neutron, as well as how to deploy, manage, and configure storage and OpenStack. Prove your ability to integrate Red Hat OpenStack Platform services with Red Hat Ceph Storage and implement advanced networking features using OpenStack Neutron by taking the exam (EX310). Passing the exam earns you RHCE in Red Hat OpenStack certification.

ADDITIONAL CLOUD-RELATED OFFERINGS

After earning RHCE, IT professionals can take additional related courses and exams.

Red Hat Ceph Storage Architecture and Administration (CEPH125)



red.ht/ceph125

Learn to administer Red Hat Ceph Storage and integrate with Red Hat OpenStack Platform. This five-day course is designed for storage administrators or cloud operators who want to deploy Red Hat Ceph Storage in their production and OpenStack environments.

Red Hat Ceph Storage for OpenStack Technologies (CEPH130)



red.ht/ceph130

Learn to deploy, configure, and maintain Red Hat Ceph Storage and integrate it with Red Hat OpenStack Platform. This course is designed for storage administrators or cloud operators who intend to integrate Red Hat Ceph Storage into their OpenStack environment.

Red Hat CloudForms Hybrid Cloud Management (CL220)



red.ht/cl220

Combining the administration and operational concepts of Red Hat CloudForms, this course teaches students to perform an initial configuration and setup of Red Hat CloudForms.

Red Hat Certificate of Expertise in Hybrid Cloud Management exam (EX220)



red.ht/ex220

Prove your skills related to deploying and managing a virtualization infrastructure using Red Hat CloudForms. Passing the exam earns you a Red Hat Certificate of Expertise in Hybrid Cloud Management.

See where your Red Hat OpenStack Platform skills are.

Take the skills assessment at redhat.com/skills

Red Hat CloudForms Hybrid Cloud Management with exam (CL221)

red.ht/cl221

Combining the administration and operational concepts of Red Hat CloudForms, this course teaches students to perform an initial configuration and setup of Red Hat CloudForms. Immediately following the course, prove your skills related to deploying and managing a virtualization infrastructure using Red Hat CloudForms in the exam (EX220). Passing the exam earns you a Red Hat Certificate of Expertise in Hybrid Cloud Management.

Red Hat Certified Architect

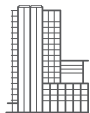
red.ht/rhca

Red Hat Certified Architect is the highest level of certification offered by Red Hat, requiring proof of elite skills and knowledge. A Red Hat Certified Architect (RHCA) is an RHCE or Red Hat Certified JBoss Developer (RHCJD) who has passed and keeps current at least five additional hands-on exams on Red Hat technologies.

Red Hat Certified Architect: Cloud

red.ht/rhca-cloud

A RHCA with a cloud concentration is an RHCE who has attained Red Hat's highest level of certification, RHCA, proving their skills and knowledge on maintaining and using cloud infrastructure.



ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.



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