# DevOps transformation skills path

Transform people, processes, and technology

**Red Hat**
Training and
Certification

The DevOps transformation curriculum teaches companies the practical skills needed to adopt and implement DevOps practices by transforming people, process, and technology.
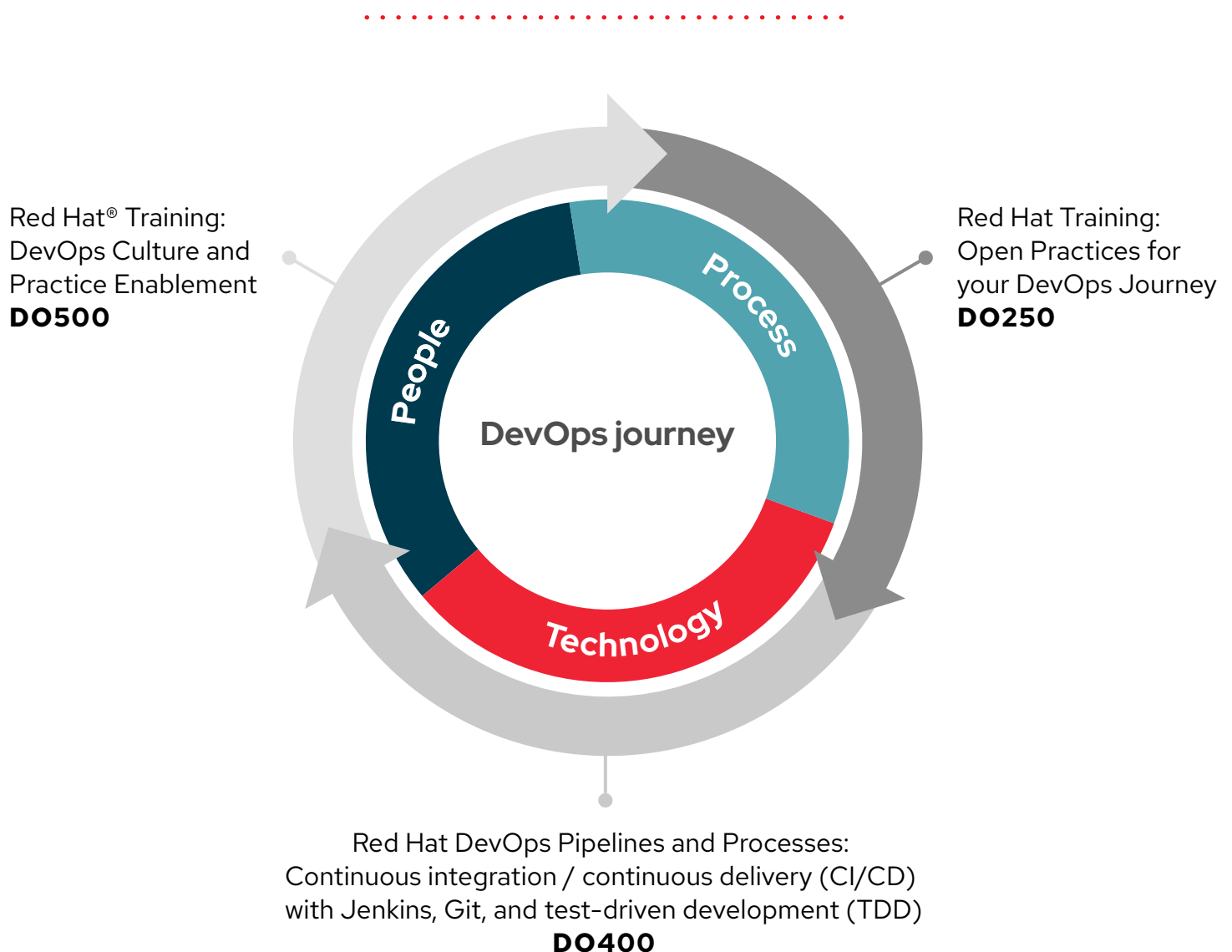
Red Hat® Training:
DevOps Culture and
Practice Enablement
**DO500**

Process

People

**DevOps journey**

Technology

Red Hat Training:
Open Practices for
your DevOps Journey
**DO250**

Red Hat DevOps Pipelines and Processes:
Continuous integration / continuous delivery (CI/CD)
with Jenkins, Git, and test-driven development (TDD)
**DO400**

To learn more, visit **https://red.ht/DevOpsTransformation**

# Red Hat OpenShift admin skills path

**Red Hat**
Training and Certification

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Skills path for Red Hat Certified Specialist in OpenShift Administration

Red Hat Certified System Administrator
**Recommended Certification**

Deploying Containerized Applications Technical Overview
**DO080 · 2 hours · Free**

Red Hat OpenShift I: Containers & Kubernetes
**DO180 · 3 days · Recommended**

Red Hat Certified Specialist in Containers and Kubernetes exam
**EX180 · 2 hours · Recommended**

Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster
**DO280 · 3 days · Recommended**

Red Hat Certified Specialist in OpenShift Administration exam
**EX280 · 3 hours · Required**

Advanced OpenShift administration skills

Red Hat OpenShift Installation Lab
**DO322 · 2 days**

Red Hat OpenShift Migration Lab
**DO326 · 2 days**

Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation
**DO370 · 4 days · Recommended**

Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise
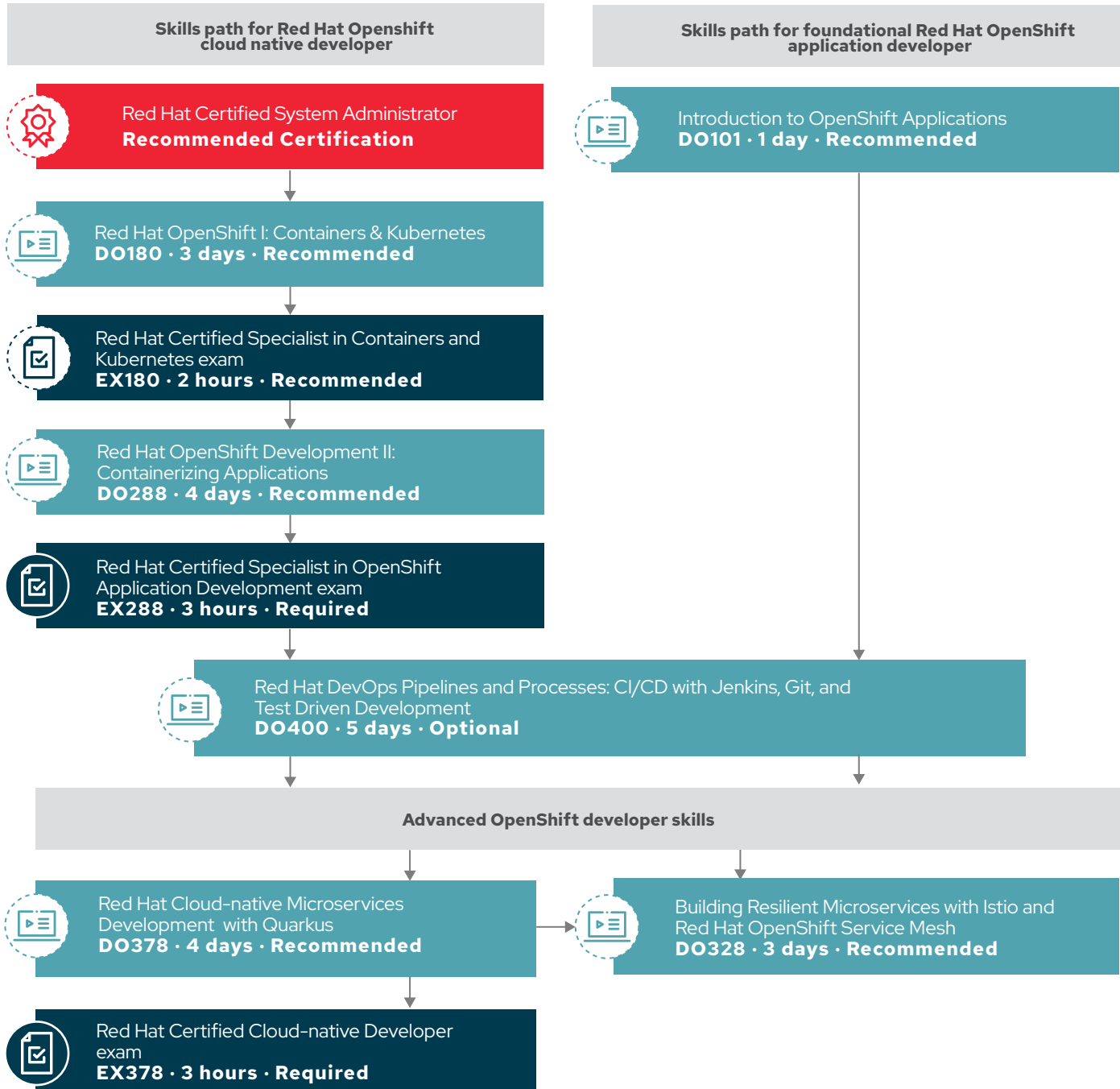**DO380 · 4 days · Recommended**

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To learn more, visit **https://red.ht/catalogue**

Certification          Course          Exam          ● Required          ○ Free          Recommended

# Red Hat OpenShift developer skills path

**Red Hat**
Training and Certification

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**Skills path for Red Hat Openshift cloud native developer**

**Skills path for foundational Red Hat OpenShift application developer**

Red Hat Certified System Administrator
**Recommended Certification**

Introduction to OpenShift Applications
**DO101 · 1 day · Recommended**

Red Hat OpenShift I: Containers & Kubernetes
**DO180 · 3 days · Recommended**

Red Hat Certified Specialist in Containers and Kubernetes exam
**EX180 · 2 hours · Recommended**

Red Hat OpenShift Development II: Containerizing Applications
**DO288 · 4 days · Recommended**

Red Hat Certified Specialist in OpenShift Application Development exam
**EX288 · 3 hours · Required**

Red Hat DevOps Pipelines and Processes: CI/CD with Jenkins, Git, and Test Driven Development
**DO400 · 5 days · Optional**

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**Advanced OpenShift developer skills**

Red Hat Cloud-native Microservices Development with Quarkus
**DO378 · 4 days · Recommended**

Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh
**DO328 · 3 days · Recommended**

Red Hat Certified Cloud-native Developer exam
**EX378 · 3 hours · Required**

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To learn more, visit **https://red.ht/catalogue**

⚙ Certification     ▶ Course     ☑ Exam     ● Required     ○ Free     ⋯ Recommended

# Red Hat OpenStack
# skills path

**Red Hat**
Training and
Certification

Skills path for Red Hat Certified
Specialist in Red Hat OpenStack

## Left path

Red Hat Certified
System Administrator
**Required Certification**

Red Hat OpenStack
Technical Overview Free
**CL010 · 2.5 hours · Free**

Red Hat OpenStack Administration I:
Core Operations for Domain Operators
**CL110 · 5 days · Recommended**

Red Hat Preliminary Exam in
Red Hat OpenStack Administration
**PE110 · 1 hour · Recommended**

Red Hat OpenStack Administration II:
Day 2 Operations for Cloud Operators
**CL210 · 4 days · Recommended**

Red Hat Certified Specialist in
Cloud Infrastructure exam
**EX210 · 4 hours · Required**

## Right path

Red Hat Certified
System Administrator
**Required Certification**

Red Hat OpenStack
Technical Overview Free
**CL010 · 2.5 hours · Free**

Red Hat OpenStack Administration I:
Core Operations for Domain Operators
**CL110 · 5 days · Recommended**

Red Hat Preliminary Exam in
Red Hat OpenStack Administration
**PE110 · 1 hour · Recommended**

Red Hat OpenStack Administration II:
Day 2 Operations for Cloud Operators
**CL210 · 4 days · Recommended**

Red Hat Certified Specialist in
Cloud Infrastructure exam
**EX210 · 4 hours · Required**

Cloud Storage With Red Hat Ceph Storage
**CL260 · 4 days · Recommended**

Red Hat Certified Specialist in
Ceph Cloud Storage
**EX260 · 3 hours · Required**

Red Hat OpenStack Administration III:
Distributed Networking and Scaling For
Edge Computing
**CL310 · 4 days · Recommended**

Red Hat Certified Specialist in Edge
Computing and Networking exam
**EX310 · 3 hours · Required**

To learn more, visit **https://red.ht/catalogue**

Certification   Course   Exam   ● Required   ○ Free   ⦿ Recommended

# Red Hat Cloud Computing skills path

**Red Hat**
Training and
Certification

**Skills path for Red Hat Certified Specialist in Red Hat OpenStack**

Red Hat Certified
System Administrator
**Required Certification**

Red Hat OpenStack
Technical Overview Free
**CL010 · 2.5 hours · Free**

Red Hat OpenStack Administration I:
Core Operations for Domain Operators
**CL110 · 5 days · Recommended**

Red Hat Preliminary Exam in
Red Hat OpenStack Administration
**PE110 · 1 hour · Recommended**

Red Hat OpenStack Administration II:
Day 2 Operations for Cloud Operators
**CL210 · 4 days · Recommended**

Red Hat Certified Specialist in
Cloud Infrastructure exam
**EX210 · 4 hours · Required**

**Skills path for Red Hat Certified Specialist in Red Hat OpenStack**

Red Hat Certified
System Administrator
**Required Certification**

Red Hat OpenStack
Technical Overview Free
**CL010 · 2.5 hours · Free**

Red Hat OpenStack Administration I:
Core Operations for Domain Operators
**CL110 · 5 days · Recommended**

Red Hat Preliminary Exam in
Red Hat OpenStack Administration
**PE110 · 1 hour · Recommended**

Red Hat OpenStack Administration II:
Day 2 Operations for Cloud Operators
**CL210 · 4 days · Recommended**

Red Hat Certified Specialist in
Cloud Infrastructure exam
**EX210 · 4 hours · Required**

Cloud Storage With Red Hat Ceph Storage
**CL260 · 4 days · Recommended**

Red Hat Certified Specialist in
Ceph Cloud Storage
**EX260 · 3 hours · Required**

Red Hat OpenStack Administration III:
Distributed Networking and Scaling For
Edge Computing
**CL310 · 4 days · Recommended**

Red Hat Certified Specialist in Edge
Computing and Networking exam
**EX310 · 3 hours · Required**

To learn more, visit **https://red.ht/catalogue**

Certification        Course        Exam        ● Required        ○ Free        Recommended

# Red Hat Cloud Computing skills path

**Red Hat**
Training and Certification

## Skills path for Red Hat Certified Specialist in Virtualization

**Red Hat Certified System Administrator**
**Required Certification**

↓

Virtualization and Infrastructure Migration Technical Overview
**RH018 · 4 hours · Free**

↓

Red Hat Virtualization
**RH318 · 4 days · Recommended**

↓

Red Hat Certified Specialist in Virtualization exam
**EX318 · 3 hours · Required**

## Skills path for Red Hat Certified Specialist in Ceph Storage Administration

**Red Hat Certified System Administrator**
**Required Certification**

↓

Cloud Storage With Red Hat Ceph Storage
**CL260 · 4 days · Recommended**

↓

Red Hat Certified Specialist in Ceph Cloud Storage
**EX260 · 3 hours · Required**

## Skills path for Red Hat Certified Specialist in Gluster Storage Administration

**Red Hat Certified System Administrator**
**Required Certification**

↓

Red Hat Gluster Storage Administration
**RH236 · 3 days · Recommended**

↓

Red Hat Certified Specialist in Gluster Storage Administration exam
**EX236 · 3 hours · Required**

To learn more, visit **https://red.ht/catalogue**

Certification      Course      Exam      ● Required      ○ Free      ⟳ Recommended

# Red Hat Fuse, Decision Manager, and more skills path

**Red Hat**
Training and Certification

### Skills path for Red Hat Certified Specialist in API Management

Build and Administer APIs with Red Hat 3scale API Management
**AD240 · 4 days · Recommended**

Red Hat Certified Specialist in API Management exam
**EX240 · 3 hours · Required**

### Skills path for Red Hat Certified Specialist in Deployment and Systems Management

Red Hat Satellite 6 Administration
**RH403 · 5 days · Recommended**

Red Hat Certified Specialist in Deployment and Systems Management exam
**EX403 · 4 hours · Required**

### Skills path for Red Hat Certified Specialist in Camel Development

**Recommended experience developing Java EE applications with JPA, JTA, and CDI and developing with the Spring Framework**

**Required experience developing Java SE applications with Java 1.7+ including use of editors such as JBoss Developer Studio (Eclipse), building and packaging applications using Apache Maven, developing applications that use relational databases, and SQL**

Camel Integration and Development with Red Hat Fuse
**AD421 · 5 days · Recommended**

Red Hat Certified Specialist in Camel Development exam
**EX421 · 4 hours · Required**

### Skills path for Red Hat Certified Specialist in Messaging Administration

Red Hat AMQ Administration
**AD440 · 3 days · Recommended**

Red Hat Certified Specialist in Messaging Administration exam
**EX440 · 2.5 hours · Required**

To learn more, visit **https://red.ht/catalogue**

Certification     Course     Exam     ● Required     ○ Free     Recommended

# Red Hat JBoss EAP
# skills path

**Red Hat**
Training and
Certification

### Skills path for Red Hat Certified Enterprise Application Developer

Red Hat Application Development I:
Programming in Java EE
**AD183 · 4 days· Recommended**

Red Hat Certified Enterprise Application
Developer exam
**EX183 · 2.5 hours · Required**

### Skills path for Red Hat Certified Specialist in Enterprise Application Server Administration

Red Hat JBoss Application Administration I
**AD248 · 4 days· Recommended**

Red Hat Certified JBoss Administrator
(RHCJA) exam
**EX248 · 4 hours · Required**

To learn more, visit **https://red.ht/catalogue**

Certification    Course    Exam    ● Required    ○ Free    Recommended

# Red Hat Certified Engineer skills path

**Red Hat**
Training and Certification

## Skills path for Red Hat Certified System Administrator

Red Hat Enterprise Linux Technical Overview
**RH024 · 3 hours · Free**

Red Hat System Administration I
**RH124 · 5 days · Recommended**

Red Hat System Administration II
**RH134 · 5 days · Recommended**

## Rapid skills path for Red Hat Certified System Administrator

Red Hat Enterprise Linux Technical Overview
**RH024 · 3 hours · Free**

RHCSA Rapid Track Course
**RH199 · 5 days · Recommended**

Red Hat Certified System Administrator (RHCSA) exam
**EX200 · 3 hours · Required**

Red Hat Certified System Administrator
**Required for Red Hat Certified Engineer**

## Skills path for Red Hat Certified Engineer on Red Hat Enterprise Linux 8

Red Hat System Administration III:
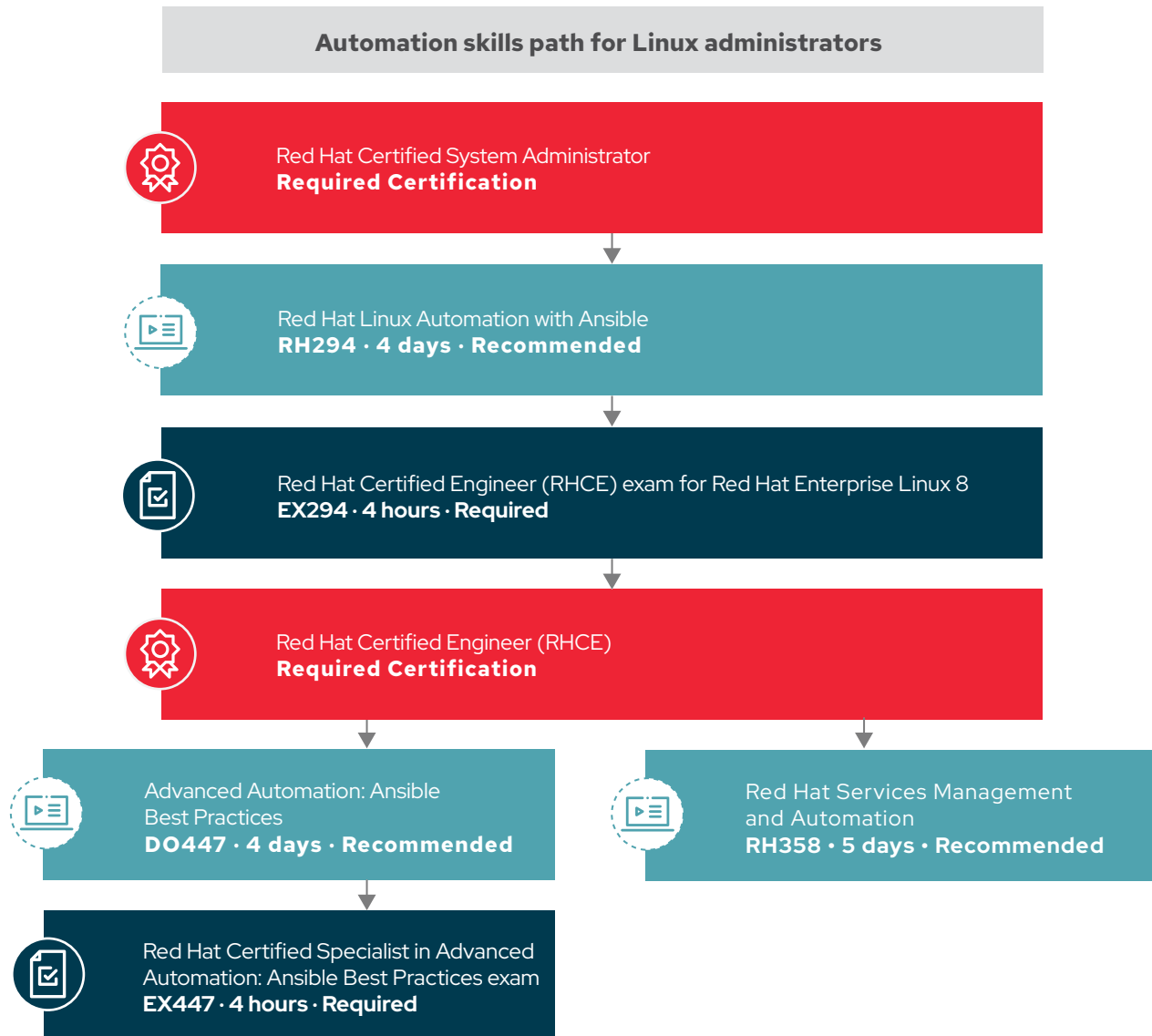Linux Automation with Ansible
**RH294 · 4 days · Recommended**

Red Hat Certified Engineer (RHCE) exam
**EX294 · 4 hours · Required**

Red Hat Certified Engineer

To learn more, visit **https://red.ht/catalogue**

Certification          Course          Exam          ● Required          ○ Free          Recommended

# Red Hat Ansible skills path

Red Hat
Training and
Certification

## Automation skills path for Linux administrators

Red Hat Certified System Administrator
**Required Certification**

Red Hat Linux Automation with Ansible
**RH294 · 4 days · Recommended**

Red Hat Certified Engineer (RHCE) exam for Red Hat Enterprise Linux 8
**EX294 · 4 hours · Required**

Red Hat Certified Engineer (RHCE)
**Required Certification**

Advanced Automation: Ansible
Best Practices
**DO447 · 4 days · Recommended**

Red Hat Services Management
and Automation
**RH358 · 5 days · Recommended**

Red Hat Certified Specialist in Advanced
Automation: Ansible Best Practices exam
**EX447 · 4 hours · Required**

To learn more, visit **https://red.ht/catalogue**

Certification    Course    Exam    ● Required    ○ Free    Recommended

# Red Hat Ansible
# skills path

**Red Hat**
Training and
Certification

### Automation skills path for Windows administrators

Microsoft Windows Automation with Red Hat Ansible
**DO417 · 5 days · Recommended**

### Automation skills path for Network administrators

Red Hat System Administration I
**RH124 · 5 days · Recommended**

Preliminary Exam in Red Hat System Administration I
**PE124 · 1 hour · Recommended**

Red Hat Ansible for Network Automation
**DO457 · 5 days · Recommended**

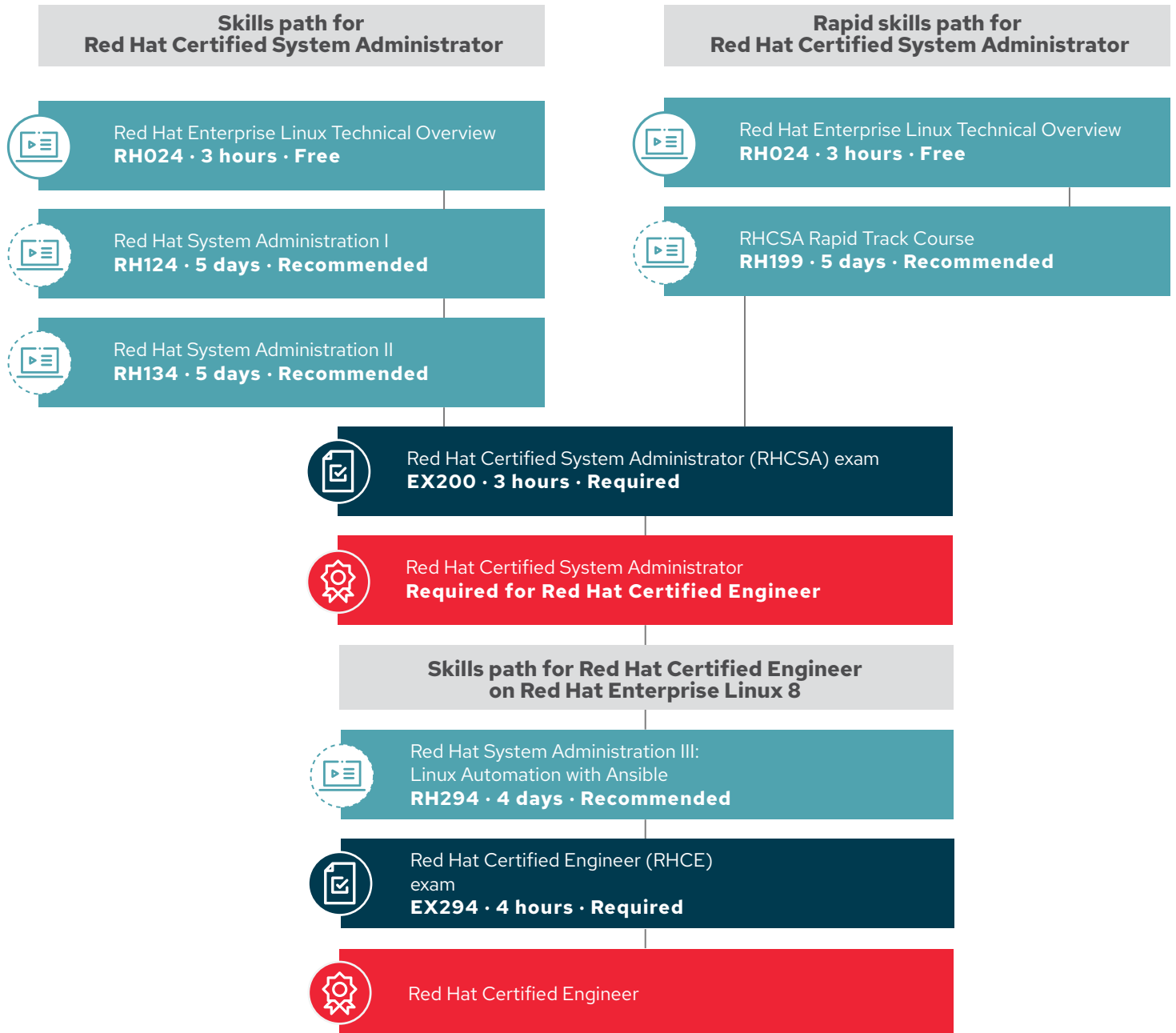Certification          Course          Exam          ● Required          ○ Free          ⋯ Recommended

# Red Hat Enterprise Linux skills path

**Red Hat**
Training and Certification

### Skills path for Red Hat Certified System Administrator

Red Hat Enterprise Linux Technical Overview
**RH024 · 3 hours · Free**

Red Hat System Administration I
**RH124 · 5 days · Recommended**

Red Hat System Administration II
**RH134 · 5 days · Recommended**

### Rapid skills path for Red Hat Certified System Administrator

Red Hat Enterprise Linux Technical Overview
**RH024 · 3 hours · Free**

RHCSA Rapid Track Course
**RH199 · 5 days · Recommended**

Red Hat Certified System Administrator (RHCSA) exam
**EX200 · 3 hours · Required**

Red Hat Certified System Administrator
**Required for Red Hat Certified Engineer**

### Skills path for Red Hat Certified Engineer on Red Hat Enterprise Linux 8

Red Hat System Administration III:
Linux Automation with Ansible
**RH294 · 4 days · Recommended**

Red Hat Certified Engineer (RHCE) exam
**EX294 · 4 hours · Required**

Red Hat Certified Engineer

To learn more, visit **https://red.ht/catalogue**

Certification      Course      Exam      ● Required      ○ Free      Recommended

# Red Hat Enterprise Linux
# skills path

**Red Hat** Training and Certification

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**Red Hat® Certified Engineer**
**Recommended certification before beginning any of the following paths**

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### Skills path for Red Hat Certified Specialist in Linux Diagnostics and Troubleshooting

Red Hat Enterprise Linux® Diagnostics and Troubleshooting
**RH342 · 4 days · Recommended**

Red Hat Certified Specialist in Linux Diagnostics and Troubleshooting exam
**EX342 · 4 hours · Required**

### Skills path for Red Hat Certified Specialist in Security: Linux

Red Hat Security: Linux in Physical, Virtual, and Cloud
**RH415 · 4 days · Recommended**

Red Hat Certified Specialist in Security: Linux exam
**EX415 · 4 hours · Required**

### Skills path for Red Hat Certified Specialist in Linux Performance Tuning

Red Hat Performance Tuning: Linux in Physical, Virtual, and Cloud
**RH442 · 4 days · Recommended**

Red Hat Certified Specialist in Linux Performance Tuning exam
**EX442 · 4 hours · Required**

### Skills path for Red Hat Certified Specialist in Identity Management

Red Hat Security: Identity Management and Active Directory Integration
**RH362 · 4 days · Recommended**

Red Hat Certified Specialist in Identity Management exam
**EX362 · 3 hours · Required**

### Skills path for Red Hat Certified Specialist in High Availability Clustering

Red Hat High Availability Clustering
**RH436 · 4 days · Recommended**

Red Hat Certified Specialist in High Availability Clustering exam
**EX436 · 3 hours · Required**

### Skills path for Red Hat Certified Specialist in Deployment and Systems Management

Red Hat Satellite 6 Administration
**RH403 · 5 days · Recommended**

Red Hat Certified Specialist in Deployment and Systems Management exam
**EX403 · 4 hours · Required**

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To learn more, visit **https://red.ht/catalogue**

Certification      Course      Exam      ● Required      ○ Free      Recommended