



RED HAT

# RHCSA Rapid Track Preparation Training

Delivered from Hacky Security's own curriculum, by instructors who also work our security operations centre. Classroom, online live, or at your office.

INTERMEDIATE

## At a glance

|            |                                                  |                                                                                                                                                                                                                                                                                                                                           |
|------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COURSE     | RHCSA Rapid Track                                | <b>WHAT IS INCLUDED</b> <ul style="list-style-type: none"><li>✓ Instructor-led delivery by practitioners who also work our SOC</li><li>✓ Hands-on lab access for the duration of the course</li><li>✓ Course materials and lab guides</li><li>✓ Hacky Security certificate of completion</li><li>✓ Post-course support by email</li></ul> |
| TRACK      | Red Hat                                          |                                                                                                                                                                                                                                                                                                                                           |
| DOMAIN     | Cloud & Infrastructure                           |                                                                                                                                                                                                                                                                                                                                           |
| LEVEL      | Intermediate                                     |                                                                                                                                                                                                                                                                                                                                           |
| DURATION   | On request                                       |                                                                                                                                                                                                                                                                                                                                           |
| DELIVERY   | Classroom · Online live · On-site at your office |                                                                                                                                                                                                                                                                                                                                           |
| LANGUAGE   | English                                          |                                                                                                                                                                                                                                                                                                                                           |
| CLASS SIZE | Small cohorts — everyone gets lab time           |                                                                                                                                                                                                                                                                                                                                           |

## Who this is for

This is an intermediate course. It suits people already working in or moving into Cloud & Infrastructure who want structured, hands-on preparation rather than a video library. If you are unsure whether the level fits your team, send us the job titles and we will tell you honestly — including if a different course would serve you better.

## Course outline

### About this course map

Ten objective areas, mapped one-for-one to Red Hat's published EX200 exam objectives and taught in the same order, so nothing on the exam is left uncovered.

Rapid Track is the condensed route. Red Hat's own RH199 compresses the material that otherwise runs across System Administration I and II into a single accelerated course, on the assumption that you already live at a Linux command line and do not need to be taught what a shell is. RH199 and the EX200 exam currently target Red Hat Enterprise Linux 10. If your production estate is still on RHEL 8 or 9 you will be fine on most of this, but the objectives have moved — Flatpak package management is now examinable alongside RPM, tuning profiles are called out explicitly, and partitioning is specified on GPT disks.

EX200 is not a knowledge exam. There are no multiple-choice questions. You are given live systems and a list of tasks, and you are graded on the state those systems are in when time runs out. Red Hat is explicit that configurations must still be in place after a reboot, with nobody intervening to put them back. Everything below is taught with that in mind: the command, then the file it wrote to, then the reboot that proves it.

## Domain 01 — Understand and use essential tools

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The baseline. Everything in the other nine areas is performed with these, under time pressure, without documentation you brought with you.

- Reaching a shell prompt and issuing commands with correct syntax, including on a system you have only just been handed
- Input and output redirection — overwrite, append, pipe, and splitting standard error from standard output
- Using grep and regular expressions to pull the line you need out of a file you have never seen
- Reaching remote systems over SSH, which is how the exam hands you more than one machine
- Logging in and switching between users in multi-user targets
- Archiving, compressing, unpacking and decompressing with tar, gzip and bzip2
- Creating and editing text files, and creating, deleting, copying and moving files and directories
- Hard links and symbolic links, and knowing which one survives the thing you are about to do
- Listing, setting and changing standard user, group and other read, write and execute permissions
- Finding and reading the documentation that is on the machine: man pages, info pages and the material under /usr/share/doc

## Domain 02 — Manage software

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Short, and easy marks if you have configured a repository by hand at least once before the day.

- Configuring access to RPM repositories, including one served from a location you are given on the day
- Installing and removing RPM packages, and resolving what a removal is about to take with it
- Configuring access to Flatpak repositories, which joined the objectives with the current release
- Installing and removing Flatpak applications, and where they sit relative to RPM-managed software
- Recognising when a task wants a package, a module stream or an application, and reaching for the right tool
- Verifying afterwards that the package is present, enabled and the version the task asked for

## Domain 03 — Create simple shell scripts

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Scripting at the level the exam actually asks for: small, correct, and doing exactly what the task described.

- Conditional execution with if, test and the bracket forms, including exit status as the thing being tested
- Looping constructs to work through a list of files or a list of arguments
- Processing script inputs through positional parameters
- Capturing and acting on the output of a command from inside a script
- Making a script executable, giving it a sane interpreter line, and putting it where the task says

- Reading a task statement carefully enough to produce the exact output it describes, since that is what is graded

## Domain 04 — Operate running systems

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Boot, processes, services and logs — the four things you look at when a system is misbehaving in front of you.

- Booting, rebooting and shutting a system down cleanly
- Booting into a different target by hand when the default target is not where you need to be
- Interrupting the boot process to regain access to a system you are locked out of
- Identifying processes that are consuming CPU or memory, and terminating them
- Adjusting process scheduling priority
- Managing tuning profiles and selecting one appropriate to a stated workload
- Locating and interpreting log files and journal entries, and making the journal persistent across reboots
- Starting, stopping and checking the status of network services
- Transferring files between systems securely

## Domain 05 — Configure local storage

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Partitions, physical volumes, volume groups and logical volumes, built in the right order and mounted so they come back.

- Listing, creating and deleting partitions on GPT disks
- Creating and removing physical volumes
- Assigning physical volumes to volume groups
- Creating and deleting logical volumes
- Configuring a system to mount file systems at boot by UUID or by label rather than by device name
- Adding partitions, logical volumes and swap to a running system without destroying what is already there
- Confirming the result by rebooting, because a mount that only exists in the current session scores nothing

## Domain 06 — Create and configure file systems

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Putting a file system on the storage from the previous area, mounting it, and fixing the one that will not behave.

- Creating, mounting, unmounting and using VFAT, ext4 and XFS file systems
- Mounting and unmounting network file systems over NFS
- Configuring autofs for on-demand mounting
- Extending an existing logical volume, and growing the file system on top of it
- Diagnosing and correcting file permission problems, including the ones caused by ownership rather than mode
- Reading the mount table and the persistent configuration together, and knowing which one is lying to you

## Domain 07 — Deploy, configure, and maintain systems

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Bringing a system to a defined state and keeping it there without anybody logging in to help.

- Scheduling tasks with at, with cron, and with systemd timer units
- Starting and stopping services, and enabling them so they start at boot
- Configuring a system to boot into a specific target automatically
- Configuring time service clients, and why a wrong clock breaks authentication before it breaks anything else
- Installing and updating packages from the Red Hat Content Delivery Network, from a remote repository, or from a local file system

- Modifying the system bootloader, and doing so in a way that survives the next kernel update
- Registering a system for Red Hat support and attaching it to the right subscription

## Domain 08 — Manage basic networking

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Addressing, name resolution and the firewall, configured persistently rather than for the life of the session.

- Configuring IPv4 and IPv6 addresses, and making the configuration persistent
- Configuring hostname resolution, including static entries and resolver order
- Configuring network services to start automatically at boot
- Restricting network access using firewalld and firewall-cmd
- Reading the active configuration back from the tooling rather than assuming the file you edited took effect
- Diagnosing a host that has an address but no route, and one that has a route but no name resolution

## Domain 09 — Manage users and groups

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Accounts, groups and privilege, including the parts that are governed by files people forget to check.

- Creating, deleting and modifying local user accounts
- Changing passwords and adjusting password ageing for local accounts
- Creating, deleting and modifying local groups and group membership
- Configuring privileged access, including granting a user or group the ability to escalate
- Setting a user's shell, home directory and primary group correctly at creation time rather than repairing it afterwards
- Verifying an account by logging in as it, which is the only check that matches how the exam is graded

## Domain 10 — Manage security

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SELinux, the firewall, default permissions and SSH keys — the area that fails the most candidates because it is the one most people switch off at work.

- Configuring firewall settings with firewall-cmd and firewalld, including zones and services
- Managing default file permissions
- Configuring key-based authentication for SSH
- Setting SELinux to enforcing or permissive mode, and making the mode persistent
- Listing and identifying SELinux file and process contexts
- Restoring default file contexts after content has been moved rather than copied
- Managing SELinux port labels so a service can bind to a non-standard port
- Using SELinux boolean settings to permit behaviour the policy blocks by default

## Who should take this

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Experienced Linux administrators who need the certification, and platform, DevOps and infrastructure engineers whose Linux knowledge grew sideways out of the job and now has gaps in it. It also suits administrators who are strong on one distribution and need the Red Hat specifics — SELinux, firewalld, subscription management, the systemd surface that the exam cares about.

Red Hat sets no formal prerequisite for EX200, but Rapid Track assumes real fluency at the command line. You should already be comfortable moving around a file system, editing files in a terminal editor, and reading a man page without irritation. If that is not you, the two-course route through System Administration I and II is the better path and we will say so rather than sell you the wrong week.

## The exam

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EX200 is set and awarded by Red Hat. It is performance-based: real tasks on live systems, with no multiple-choice component.

- Hands-on and practical throughout — you are graded on the resulting state of the systems, not on the commands you chose to get there
- Configurations must persist across a reboot without intervention
- No internet access during the exam, and no hard copy or electronic documentation may be brought in
- Delivered as a remote exam supervised by a proctor, at an authorised Red Hat testing centre, or in a classroom session run by a Red Hat Certified Examiner
- Results are reported as a pass or fail with a breakdown by objective area, sent to your registered email within five business days
- Red Hat certifications remain current for three years from the date earned
- Currently based on Red Hat Enterprise Linux 10

Red Hat does not publish the exam duration or the passing score on the public EX200 page. Your booking confirmation states the time allowed; treat the practical work in this course as the pacing guide until then.

The exam is purchased separately from Red Hat. We arrange it on your behalf and send you the details, and you choose your own exam date.

## How we deliver it

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Four days, classroom or online live, or at your office for a private group. Every delegate gets their own multi-machine lab environment for the week — not a shared demonstration — because the exam gives you systems and expects you to break and rebuild them without asking anyone.

Objective checkpoints at the end of each day, a reboot drill on everything you configure, and a full practical review on the final afternoon run to exam conditions: a task list, a clock, and no notes.

Mapped to Red Hat's published EX200 exam objectives for Red Hat Enterprise Linux 10. Taught from Hacky Security's own curriculum and lab estate by instructors who run Red Hat systems in production. These are our own preparation courses; they are not official Red Hat courseware and we are not a Red Hat Training Partner.

### Sitting the official exam

Exam voucher sold separately. We buy it from the certification body on your behalf and send you the code — you book your own exam date. This course is Hacky Security's own preparation training. The certification itself is awarded by the certification body, not by us.

## Investment

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Priced per cohort. Tell us how many people and which delivery mode and we will send a quote the same working day.

## Book this course

Tell us how many people, where, and when — we will come back with dates and a quote within one working day.

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