

RHEL and year 2020

Lifecycle Phases Explained

RHEL 6, 7



RHEL 8



RHEL Lifecycle at a glance

| Version | General availability | Full support ends | Maintenance Support 1 ends | Maintenance Support 2 ends | Extended life cycle support add-on ends | Extended life phase ends | Last minor release |
|----------------------------|----------------------|-------------------|----------------------------|----------------------------|---|--------------------------|--------------------|
| 8 | May 7, 2019 | May 31, 2024 | N/A | May 31, 2029 | TBD | TBD | 8.10 |
| 7 | June 10, 2014 | August 6, 2019 | August 6, 2020 | June 30, 2024 | TBD | Ongoing | 7.9 |
| 7 (System z (Structure A)) | April 10, 2018 | August 6, 2019 | August 6, 2020 | May 31, 2021 | N/A | Ongoing | 7.6 |
| 7 (POWER9) | November 13, 2017 | August 6, 2019 | August 6, 2020 | May 31, 2021 | N/A | Ongoing | 7.6 |
| 7 (ARM) | November 13, 2017 | August 6, 2019 | August 6, 2020 | November 30, 2020 | N/A | Ongoing | 7.6 |
| 6 | November 10, 2010 | May 10, 2016 | May 10, 2017 | November 30, 2020 | June 30, 2024 | Ongoing | 6.10 |
| 5 | March 15, 2007 | January 8, 2013 | January 31, 2014 | March 31, 2017 | November 30, 2020 | Ongoing | 5.11 |

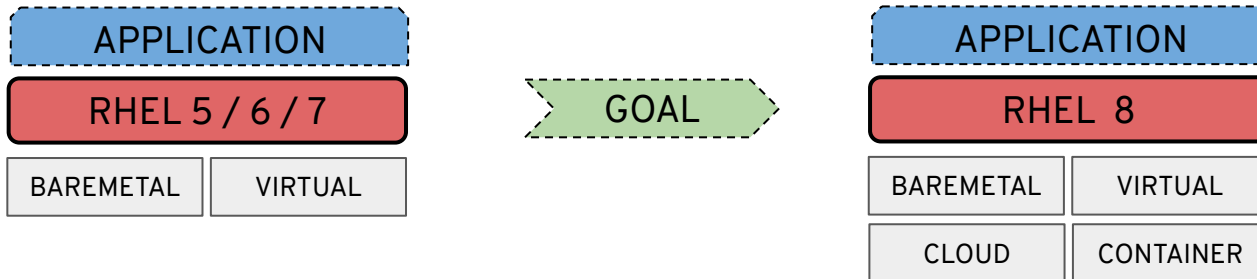
NB: RHEL subscriptions are version agnostic :)

RHEL Migrations and Upgrades

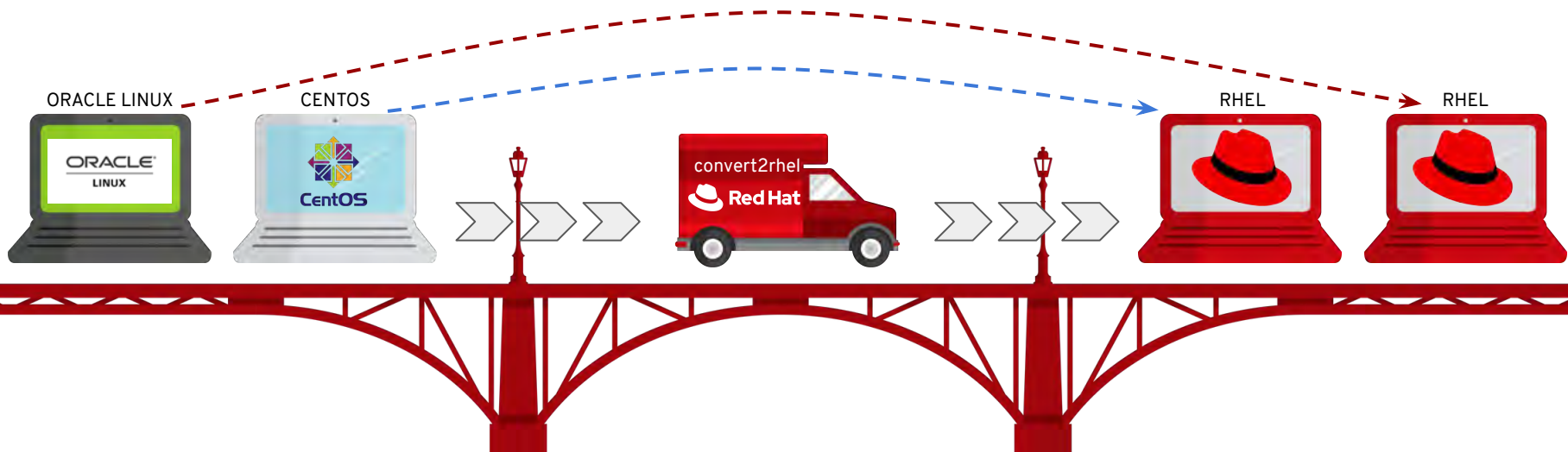
THE MODERNIZATION FACTORY



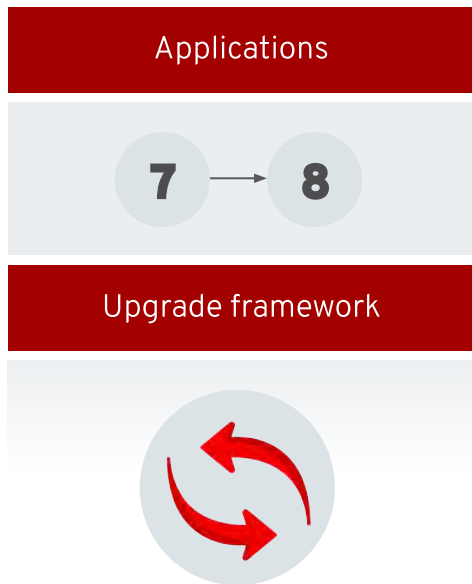
APPROACH



CONVERT TO RHEL



LEAPP



Subscriptions

Subscriptions are version agnostic and stay attached to the system

Content

Repositories are updated in the process

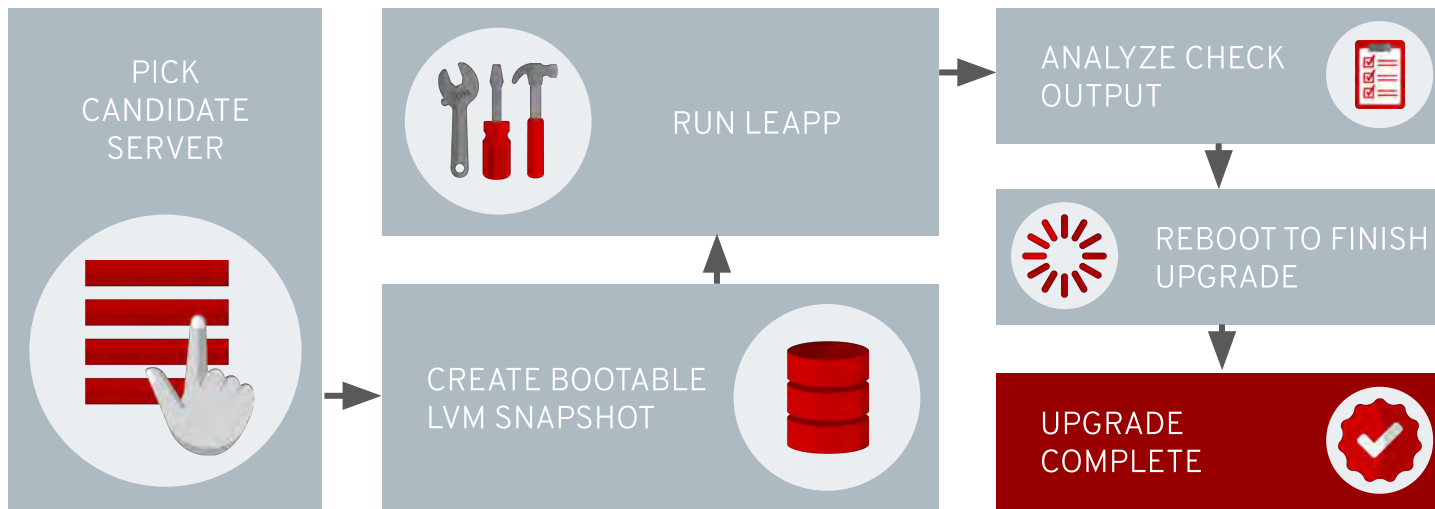
Control

Reporting capabilities
Analyze systems to determine if upgrading in place can avoid a costly migration

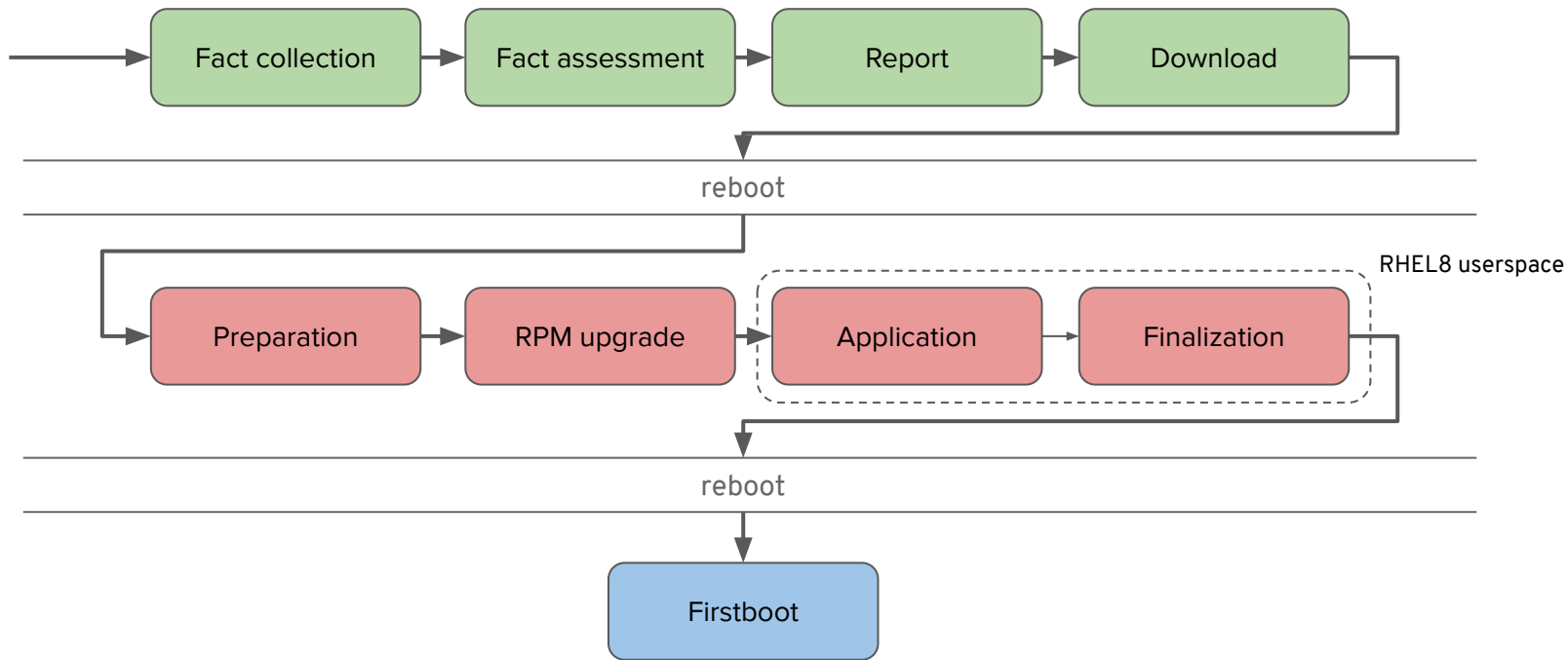
Easy rollback options

Combine with bootable LVM snapshots for safety

Upgrade Workflow



LEAPP Upgrade Process



LEAPP or Ansible ?

FUNCTIONAL COMPARISON OF LEAPP AND ANSIBLE

| | Ansible | Leapp |
|------------------|---|---|
| Final state | Known, predefined | Unknown, calculated |
| Execution | Fixed, predefined | Data-driven |
| Extensions | Code/declarations: converge into target state | Code, needs to handle complex decisions based on user input and previous system state |
| User interaction | Noninteractive | Interactive |

GETTING UP TO SPEED

Resources



Check out the RHEL 8 demos

Get an introduction to all of the great
new capabilities in RHEL 8 at

<https://lab.redhat.com>



In-Place Upgrades

Documentation

[Upgrading to RHEL 8](#)

[Upgrading from RHEL 6](#)

RH024

Red Hat Enterprise Linux Technical Overview

Prerequisites

None :)

Audience

Administrators, Engineers, Architects...

Format

[Free Video Classroom](#)

Course description

Learn the basics of Linux

Red Hat Enterprise Linux Technical Overview (RH024) is a series of no-cost, on-demand, online videos that provide a technical introduction to Linux® for IT professionals.

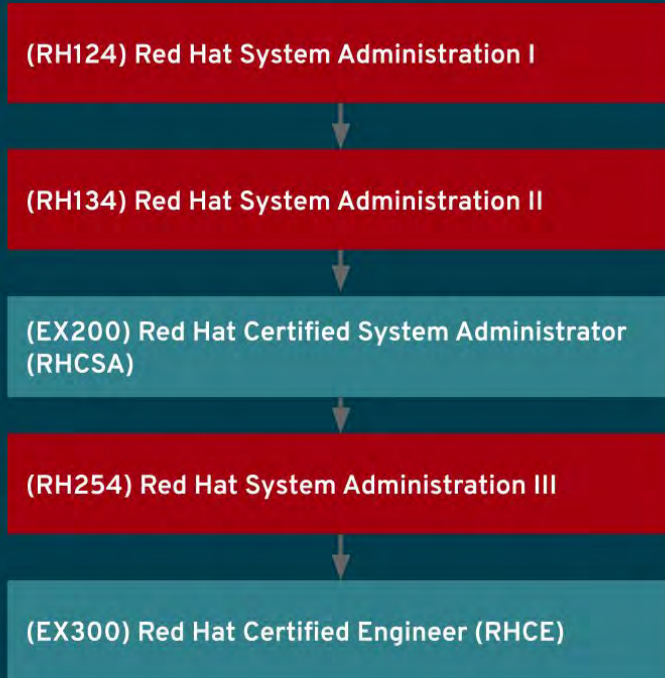
This course is based on Red Hat® Enterprise Linux 8.

Course content summary

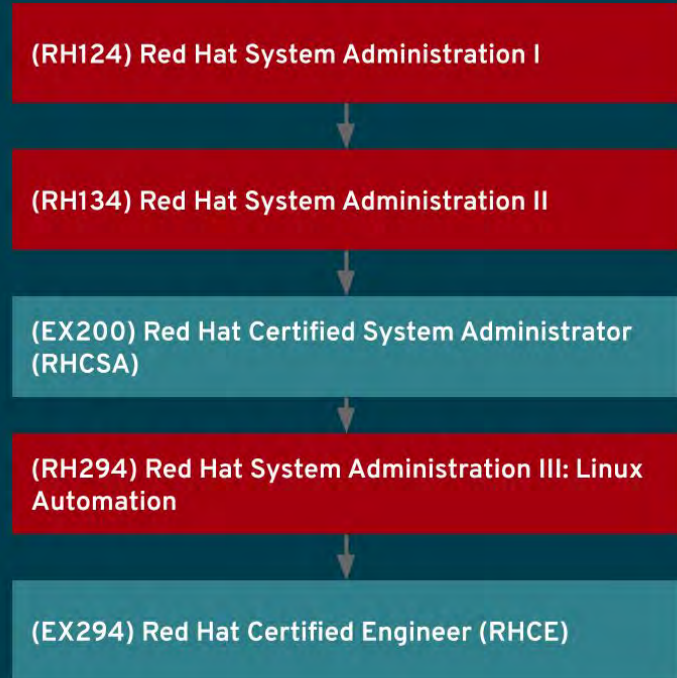
The videos will demonstrate basic practical techniques of Linux use and system administration tasks for professionals new to the operating system who are interested in preparing for further study. You will be introduced to why Linux and the open source development model is so important in today's computing environment.

RED HAT CERTIFIED ENGINEER CHANGES

RHEL 7 PATH



RHEL 8 PATH



Thank you !



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