



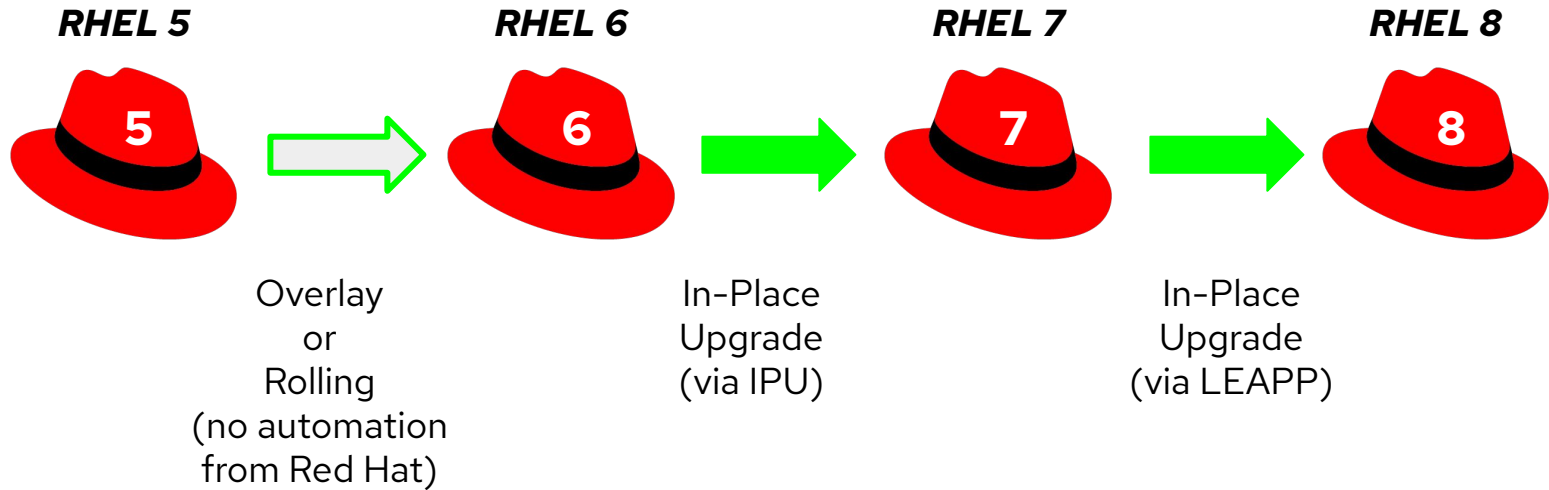
Red Hat Enterprise Linux 8: Features Everyone Should Know

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Solutions Architect

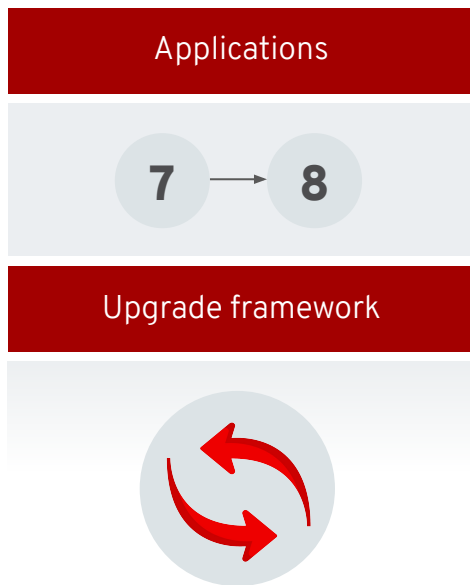
At a glance

KERNEL VERSION	4.18+
SYSTEM COMPILER	GCC 8.2, LLVM 6.0
HARDWARE ARCHITECTURES	Intel/AMD 64-bit, IBM Power LE, IBM z Systems, ARM 64-bit
DEFAULT FILE SYSTEM	XFS
PACKAGE MANAGEMENT	Yum v4
TIME SYNCHRONIZATION	Chrony
NETWORKING	NetworkManager

Upgrade Paths



In-place upgrades for your systems



Reduced migrations

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

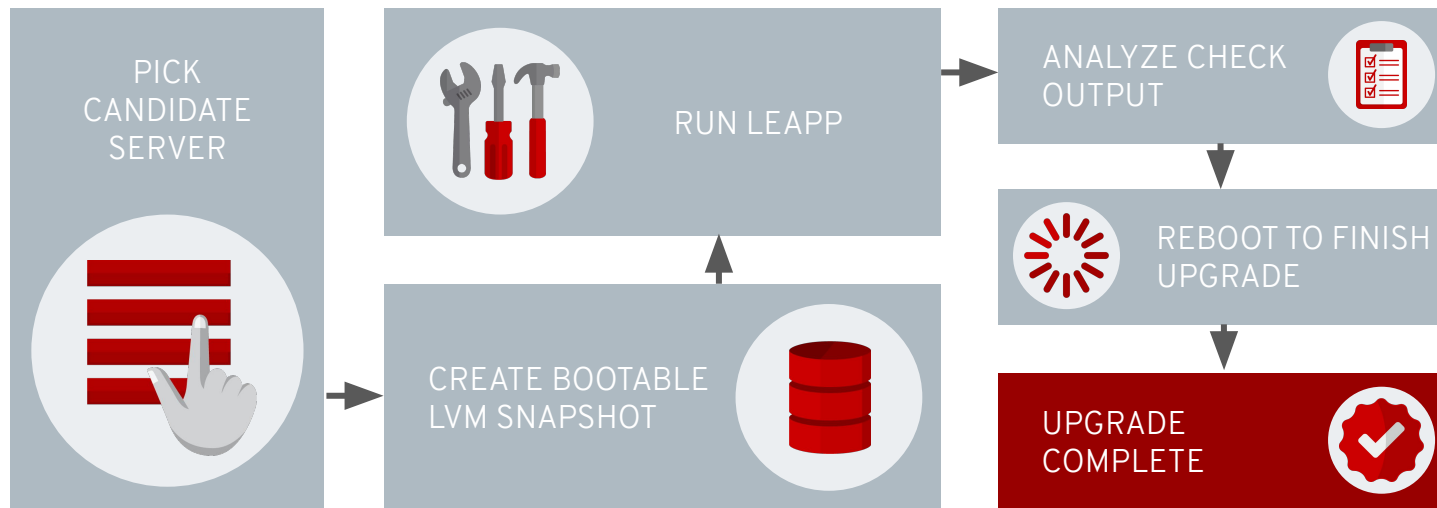
Easy rollback options

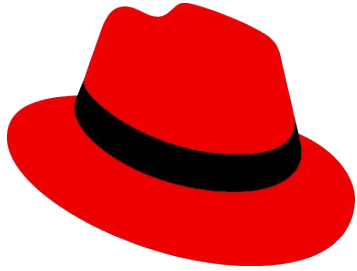
Combine with bootable LVM snapshots for safety

Improved framework

Get better analysis and a simplified process with a more extensible framework

Can I upgrade this host?





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Demo: Upgrade to 8

Simplified access to software

Red Hat Enterprise Linux 7 repositories



Red Hat Enterprise Linux 8 repositories



Predictable updates

3 years

Major releases

6 months

Minor updates

2 phases

Support life cycle



Support Lifecycle

May 2019

General Availability

10 Years

Regular Support

+3 ELS

Extended Life Support

Recording user terminal sessions

```

$ ssh cloud-user@rhe18-1.example.com
Activate the web console with: systemctl enable --now cockpit.socket

Last login: Tue Apr  2 13:10:47 2019 from 192.168.122.1

ATTENTION! Your session is being recorded!

[cloud-user@rhe18-1 ~]$ sudo ls /etc/sss/conf.d
sss-session-recording.conf
[cloud-user@rhe18-1 ~]$ sudo cat /etc/sss/conf.d/sss-session-recording.conf
[session_recording]
scope=some
users=cloud-user
groups=
[cloud-user@rhe18-1 ~]$ exit
logout

Connection to rhe18-1.example.com closed.
$
  
```

Audit activities

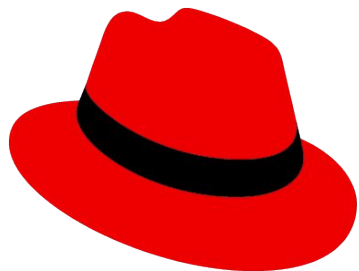
Create a record of actions taken for review against security policies

Create visual guides

Build run books and training materials with demonstrations

Record and play back

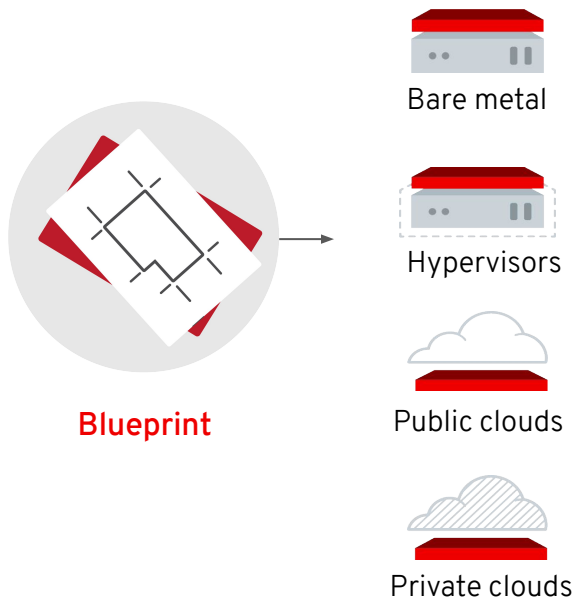
Logged via standard channels with multiple playback options



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Demo: Session Recording

Create images for all your environments with image builder



Single source

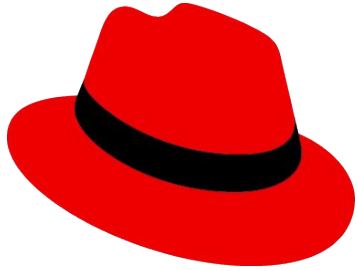
Lets you create gold images for any environment from the same blueprint increasing stability and consistency

Any footprint

Supports public cloud, private cloud, enterprise hypervisors, and bare metal

Simple interface

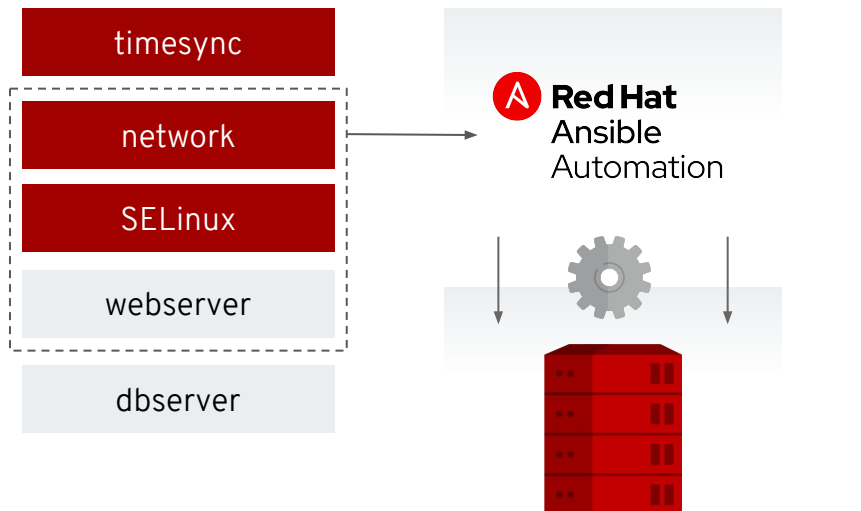
Provides web-based view within the web console for selecting packages and creating blueprints



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Demo: Image Builder

Speed automation creation with system roles



Common automation

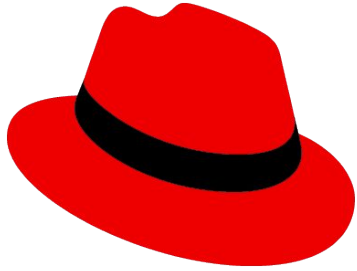
Manage multiple versions of Red Hat Enterprise Linux from a single role

Reduced rework

Import provided roles to eliminate task creation in playbooks

Easy switching of providers

Change between default and optional tools quickly and safely



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Demo: System Roles

Thank you

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