

Introducing the New Red Hat Update Infrastructure

Description

The Red Hat Update Infrastructure is a certificate-based content distribution network used by the MCP platform whereby clients can get updates for Red Hat Enterprise Linux servers.

If you need instructions on how to migrate existing Red Hat Servers to use the MCP update infrastructure, see: [How to Configure Existing Red Hat Servers to Use the MCP Update Infrastructure](#)

Content / Solution:

As a Red Hat Certified Cloud Provider, the Managed Cloud Platform has an infrastructure in place in various geographic locations that allows clients to install software packages and updates for their Red Hat Enterprise Linux servers. Those familiar with the previous RHUI product may remember

The Content Distribution Servers (CDS) can be found in the North America, Europe, South Africa, Australia, and Asia/Pacific regions, providing "geographically close" endpoints for downloading official Red Hat packages. These CDSs are behind a network load balancer which provides redundancy and ensures robust connectivity.

Geography	CDS Hostname
North America	cds.na.rhui.mcp-services.net
Europe	cds.eu.rhui.mcp-services.net
MEA	cds.af.rhui.mcp-services.net
Asia/Pacific	cds.ap.rhui.mcp-services.net
Australia	cds.au.rhui.mcp-services.net

The MCP Red Hat images are already configured with the proper CDS server pair, thanks to the network load balancer, YUM only needs to connect to load-balancer name for the appropriate GEO. This ensures the client systems will always access the CDSs in the GEO where customer VMs are located.

The CDSs have been configured to provide several channels which have been added to the base OS channel, giving clients a wide selection of software to utilize on their Red Hat servers. The channels clients have access to include:

Red Hat 6.x

- Red Hat Enterprise Linux 6 Server - Extended Update Support (RPMs) from RHUI
- Red Hat Enterprise Linux 6 Server - Extended Update Support - Supplementary (RPMs) from RHUI
- Red Hat Enterprise Linux 6 Server - Extras from RHUI (RPMs)
- Red Hat Enterprise Linux 6 Server - Optional from RHUI (RPMs)
- Red Hat Enterprise Linux 6 Server - RH Common from RHUI (RPMs)
- Red Hat Enterprise Linux 6 Server - Supplementary from RHUI (RPMs)
- Red Hat Enterprise Linux 6 Server from RHUI (RPMs)
- Red Hat Enterprise Linux High Availability (for RHEL 6 Server) (RPMs) from RHUI
- Red Hat Enterprise Linux Load Balancer (for RHEL 6 Server) (RPMs) from RHUI
- Red Hat Enterprise Linux Resilient Storage (for RHEL 6 Server) (RPMs) from RHUI
- Red Hat Enterprise Linux Scalable File System (for RHEL 6 Server) (RPMs) from RHUI
- Red Hat Software Collections for RHEL Server from RHUI (RPMs)
- Red Hat Enterprise Linux 6 Server - Extended Update Support (RPMs) from RHUI
- Red Hat Enterprise Linux 6 Server - Extended Update Support - Supplementary (RPMs) from RHUI
- Red Hat Enterprise Linux 6 Server - Extras from RHUI (RPMs)
- Red Hat Enterprise Linux 6 Server - Optional from RHUI (RPMs)
- Red Hat Enterprise Linux 6 Server - RH Common from RHUI (RPMs)
- Red Hat Enterprise Linux 6 Server - Supplementary from RHUI (RPMs)
- Red Hat Enterprise Linux 6 Server from RHUI (RPMs)
- Red Hat Enterprise Linux High Availability (for RHEL 6 Server) (RPMs) from RHUI
- Red Hat Enterprise Linux Load Balancer (for RHEL 6 Server) (RPMs) from RHUI
- Red Hat Enterprise Linux Resilient Storage (for RHEL 6 Server) (RPMs) from RHUI
- Red Hat Enterprise Linux Scalable File System (for RHEL 6 Server) (RPMs) from RHUI
- Red Hat Software Collections for RHEL Server from RHUI (RPMs)

Red Hat 7.x

- Red Hat Enterprise Linux 7 Server - Extras from RHUI (RPMs)
- Red Hat Enterprise Linux 7 Server - Optional from RHUI (RPMs)
- Red Hat Enterprise Linux 7 Server - Supplementary from RHUI (RPMs)
- Red Hat Enterprise Linux 7 Server from RHUI (RPMs)
- Red Hat Enterprise Linux High Availability (for RHEL 7 Server) (RPMs) from RHUI

- [Red Hat Enterprise Linux Resilient Storage \(for RHEL 7 Server\) \(RPMs\) from RHUI](#)
- [Red Hat Software Collections RPMs for Red Hat Enterprise Linux 7 Server from RHUI](#)

Please note, the Red Hat Update Infrastructure does not support "pinning," that is, restricting a server to a specific release of Red Hat other than the latest (e.g. RHEL 6.3).

Recently Updated

- [Introduction to Geographic Regions](#)
- [Migrating to the new RHUI Architecture](#)
- [New Features by Release](#)
- [Cloud Backup - Introduction](#)
- [Introducing the New Red Hat Update Infrastructure](#)