

# Subscription Usage

## Viewing subscription

?????????

```
# subscription-manager list --available
+-----+
    Available Subscriptions
+-----+
Subscription Name:  Red Hat Beta Access
Provides:           Red Hat CodeReady Linux Builder for x86_64 Beta
                   Red Hat Enterprise Linux for IBM z Systems Beta
                   Red Hat Enterprise Linux Fast Datapath Beta for Power, little endian
                   Red Hat Enterprise Linux Resilient Storage Beta
                   Red Hat Enterprise Linux for x86_64 Beta
                   Red Hat Enterprise Linux for Real Time for NFV Beta
                   Red Hat Enterprise Linux for Real Time Beta
                   Red Hat Enterprise Linux for SAP HANA for x86_64 Beta
                   Red Hat Directory Server Beta
                   Red Hat Enterprise Linux Advanced Virtualization Beta (for RHEL Server
for IBM System Z)
                   Red Hat Enterprise Linux for SAP Applications for x86_64 Beta
                   Red Hat Enterprise Linux for SAP Applications for IBM z Systems Beta
                   Red Hat CodeReady Linux Builder for ARM 64 Beta
                   Red Hat Enterprise Linux for SAP Applications for Power, little endian
Beta
                   Red Hat Enterprise Linux Fast Datapath Beta for x86_64
                   Red Hat CodeReady Linux Builder for Power, little endian Beta
                   Red Hat CodeReady Linux Builder for IBM z Systems Beta
                   Red Hat Enterprise Linux High Availability Beta
                   Red Hat Enterprise Linux for Power, little endian Beta
                   Red Hat Enterprise Linux for ARM 64 Beta
                   Red Hat Certificate System Beta
                   Red Hat Enterprise Linux for SAP HANA for Power, little endian Beta
SKU:                RH00069
```

|                      |                                  |
|----------------------|----------------------------------|
| Contract:            |                                  |
| Pool ID:             | 8a82c6557fc28ee7017fce53f78f10a7 |
| Provides Management: | No                               |
| Available:           | Unlimited                        |
| Suggested:           | 1                                |
| Service Type:        | L1-L3                            |
| Roles:               |                                  |
| Service Level:       | Self-Support                     |
| Usage:               |                                  |
| Add-ons:             |                                  |
| Subscription Type:   | Standard                         |
| Starts:              | 03/27/2022                       |
| Ends:                | 03/27/2023                       |
| Entitlement Type:    | Physical                         |

????????

## System Purpose

[illegible]

?????? Role?Usage?Service-Level?Addons?

- role: ?????????
- usage: ??????? (??????? *Development/Test* )
- service-level: ?????? (??????? *Self-Support*)
- addons: ???

????????????????

```
# subscription-manager role --list

+-----+
|               |
| Available role |
|               |
+-----+

- Red Hat Enterprise Linux Workstation
- Red Hat Enterprise Linux Server
- Red Hat Enterprise Linux Compute Node
```

?? role

```
# subscription-manager role --show
Role not set.

# subscription-manager role --set="Red Hat Enterprise Linux Server"
role set to "Red Hat Enterprise Linux Server".

# subscription-manager role --show
Current Role: Red Hat Enterprise Linux Server
```

## Errata ?????

???????????????? Errata ????? yum ?????

????? errata ????

```
rm -f /var/lib/rhsm/packages/packages.json
service rhsmcertd stop
rhsmcertd --now
yum update
```

## repos

Subscribe to the Extras channel/repo

```
subscription-manager repos --list
subscription-manager repos --list-enabled
subscription-manager repos --list-disabled

# subscription-manager repos --enable REPOID
subscription-manager repos --enable rhel-7-server-extras-rpms
subscription-manager repos --disable amq-clients-2-for-rhel-8-x86_64-rpms

# With yum
yum repolist --all
yum-config-manager --enable <repo-id>
```

## Expired Subscription



Error: You no longer have access to the repositories that provide these products. It is important that you apply an active subscription in order to resume access to security and other critical updates. If you don't have other active subscriptions, you can renew the expired subscription.

?????????? (?????)

- ?? /etc/yum.repos.d/redhat.repo :  
????????????????????????????????????????????????????????????  
subscription-manager refresh ??????

```
[root@dotnetdev ~]# yum repolist
Updating Subscription Management repositories.
No repositories available

[root@dotnetdev ~]# subscription-manager repos --list
This system has no repositories available through subscriptions.

[root@dotnetdev ~]# subscription-manager list --available
No available subscription pools to list
```

???????? > ?????????????? (unattach)

????????????????????????????????????????????????????????

```
subscription-manager refresh
```

?????????? (?????)

```
# subscription-manager list --available
+-----+
    Available Subscriptions
+-----+
Subscription Name:   Red Hat Developer Subscription for Individuals
Provides:            Red Hat Enterprise Linux Fast Datapath
                    Red Hat OpenShift Enterprise JBoss EAP add-on Beta
                    Red Hat Ansible Automation Platform
                    Red Hat OpenShift Workload Availability
                    Red Hat Enterprise Linux Server
                    dotNET on RHEL (for RHEL Server)
```

Red Hat 3scale API Management Platform  
OpenShift Developer Tools and Services  
Red Hat CodeReady Linux Builder for ARM 64  
Custom Metric Autoscaler  
Red Hat Enterprise Linux Atomic Host Beta  
Red Hat Container Images  
Red Hat OpenShift Container Platform for ARM 64  
Red Hat OpenShift Container Platform  
Red Hat Enterprise Linux Resilient Storage for IBM z Systems - Extended

#### Update Support

Red Hat OpenShift GitOps for ARM 64  
Red Hat CoreOS Beta  
OpenJDK Java (for Middleware)  
Red Hat Enterprise Linux for SAP Solutions for x86\_64 - Extended Update

#### Support

Red Hat Enterprise Linux for SAP Applications for x86\_64 - Update

#### Services for SAP

Solutions  
Red Hat Enterprise Linux Atomic Host  
Red Hat Enterprise Linux High Availability (for IBM z Systems) - Extended

#### Update Support

Red Hat Enterprise Linux High Availability for x86\_64 - Extended Update

#### Support

Network Observability (NETOBSERV)  
Red Hat Developer Toolset (for RHEL Server)  
Red Hat Enterprise Linux for SAP Solutions for x86\_64  
Red Hat Enterprise Linux for SAP Applications for Power LE - Update

#### Services for SAP

Solutions  
JBoss Enterprise Web Server from RHUI  
Red Hat Software Collections (for RHEL Server)  
Red Hat OpenShift distributed tracing  
Red Hat Ansible Engine  
MRG Realtime  
Red Hat Enterprise Linux for x86\_64 - Update Services for SAP Solutions  
Red Hat Enterprise Linux AI  
JBoss Enterprise Application Platform from RHUI  
Red Hat Developer Tools Beta (for RHEL Server)  
Red Hat Software Collections Beta (for RHEL Server)  
Red Hat Enterprise Linux for IBM z Systems - Extended Update Support

Red Hat Enterprise Linux for ARM 64  
Red Hat OpenShift Enterprise JBoss EAP add-on  
Red Hat EUCJP Support (for RHEL Server) - Extended Update Support  
JBoss Enterprise Web Platform  
Cluster Observability Operator  
Red Hat Enterprise Linux for SAP Applications for x86\_64 - Extended

#### Update Support

Red Hat OpenShift Application Runtimes Beta  
Red Hat Migration Toolkit  
Red Hat Enterprise Linux Scalable File System (for RHEL Server)  
Red Hat Container Native Virtualization for ARM 64  
Red Hat Enterprise Linux Fast Datapath Beta (for RHEL for ARM 64)  
Red Hat Enterprise Linux for x86\_64 - Extended Update Support  
Red Hat Container Native Virtualization  
Red Hat Beta  
Red Hat OpenShift Serverless  
Red Hat Enterprise Linux EUS Compute Node  
Red Hat Enterprise Linux for x86\_64  
Red Hat Developer Tools (for RHEL Server for ARM)  
Red Hat CodeReady Linux Builder for ARM 64 - Extended Update Support  
Red Hat CoreOS  
Red Hat CodeReady Linux Builder for x86\_64  
Red Hat Enterprise Linux High Performance Networking (for RHEL Compute

#### Node)

Oracle Java (for RHEL Server)  
Red Hat Enterprise Linux High Performance Networking (for RHEL Server) -

#### Extended Update

Support  
Red Hat CodeReady Linux Builder for x86\_64 - Extended Update Support  
Red Hat JBoss AMQ Clients  
Red Hat OpenShift Dev Spaces  
Red Hat JBoss Data Grid  
Red Hat Software Collections (for RHEL Server for ARM)  
Kernel Module Management  
Red Hat OpenShift Application Runtimes  
Red Hat Enterprise Linux Fast Datapath (for RHEL for ARM 64)  
Red Hat Enterprise Linux High Availability for x86\_64  
Run Once Duration Override Operator  
Red Hat Developer Tools Beta (for RHEL Server for ARM)  
Red Hat JBoss Core Services from RHUI

Red Hat build of Quarkus  
Red Hat Service Interconnect  
Red Hat Enterprise Linux Load Balancer (for RHEL Server)  
Red Hat JBoss Middleware  
Red Hat OpenShift Enterprise Client Tools  
Red Hat AMQ Interconnect  
Red Hat Enterprise Linux High Performance Networking (for RHEL Server)  
dotNET on RHEL Beta (for RHEL Server)  
Red Hat Developer Suite v.3  
Red Hat OpenShift Builds for ARM  
Red Hat OpenShift Application Runtimes for IBM Power LE  
Red Hat Enterprise Linux for ARM 64 - Extended Update Support  
Red Hat Container Images Beta  
Red Hat Developer Tools (for RHEL Server)  
Power monitoring for Red Hat OpenShift  
Red Hat Software Collections Beta (for RHEL Server for ARM)  
Oracle Java (for RHEL Server) - Extended Update Support  
Red Hat Enterprise Linux for SAP Solutions for x86\_64 - Update Services

for SAP Solutions

Red Hat S-JIS Support (for RHEL Server) - Extended Update Support  
Red Hat CodeReady Linux Builder for IBM z Systems - Extended Update

Support

Red Hat Enterprise Linux Load Balancer (for RHEL Server) - Extended

Update Support

Red Hat Enterprise Linux Fast Datapath Beta for x86\_64  
Red Hat Developer Hub  
Red Hat OpenShift Pipelines  
Cert Manager support for Red Hat OpenShift release  
Red Hat OpenShift Enterprise JBoss A-MQ add-on  
Red Hat OpenShift Pipelines for ARM  
Red Hat OpenShift GitOps  
Secondary Scheduler Operator for Red Hat OpenShift (OSSO)  
Red Hat Enterprise Linux Scalable File System (for RHEL Server) -

Extended Update Support

Red Hat Enterprise Linux for Real Time  
Red Hat Enterprise Linux High Availability for x86\_64 - Update Services

for SAP Solutions

Red Hat OpenShift Enterprise JBoss FUSE add-on  
JBoss Enterprise Application Platform  
Red Hat Enterprise Linux for SAP Applications for x86\_64

|                      |                                                                         |
|----------------------|-------------------------------------------------------------------------|
| Support              | Red Hat JBoss Core Services                                             |
|                      | Red Hat Enterprise Linux Resilient Storage for x86_64 - Extended Update |
|                      | Red Hat Enterprise Linux for Real Time Beta                             |
|                      | Red Hat Quay Enterprise                                                 |
|                      | Red Hat Enterprise Linux Resilient Storage for x86_64                   |
|                      | Red Hat Container Development Kit                                       |
|                      | Red Hat OpenShift Builds                                                |
| SKU:                 | RH00798                                                                 |
| Contract:            |                                                                         |
| Pool ID:             | 2c94e31e96694f3201967b2cf5b21cf5                                        |
| Provides Management: | No                                                                      |
| Available:           | 16                                                                      |
| Suggested:           | 1                                                                       |
| Service Type:        |                                                                         |
| Roles:               | Red Hat Enterprise Linux Workstation                                    |
| Service Level:       | Self-Support                                                            |
| Usage:               | Development/Test                                                        |
| Add-ons:             |                                                                         |
| Subscription Type:   | Standard                                                                |
| Starts:              | 04/28/2025                                                              |
| Ends:                | 04/28/2026                                                              |
| Entitlement Type:    | Physical                                                                |

Cheat Sheet

# SUBSCRIPTION-MANAGER COMMAND CHEAT SHEET

## for Red Hat Enterprise Linux

### SUBSCRIPTION-MANAGER QUERIES

#### SUBCOMMAND DESCRIPTIONS AND TASKS

|                                           |                                                            |
|-------------------------------------------|------------------------------------------------------------|
| <b>-h or --help</b>                       | Prints the specific help information for the given command |
| <b>subscription-manager attach --help</b> | Gives the help information for the attach command          |

## Primary Modules

### REGISTER A NEW SYSTEM TO THE SUBSCRIPTION-MANAGER SERVICE

#### SUBCOMMAND DESCRIPTIONS AND TASKS

|                                                                                                          |                                                                                                             |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>register</b>                                                                                          | Registers this system to the Customer Portal or another subscription management service                     |
| <b>subscription-manager register \</b><br><b>--username=jo@example.com</b>                               | Gives the username for the account which is registering the system (required if not using activation key)   |
| <b>subscription-manager register \</b><br><b>--password=MyKul22pwd</b>                                   | Gives the user account password (required if not using activation key)                                      |
| <b>subscription-manager register \</b><br><b>--serverurl=host.example.com</b>                            | Registers system with host other than subscription.rhn.redhat.com                                           |
| <b>subscription-manager register \</b><br><b>--baseurl=https://host:8088/sam</b>                         | Passes the name of the content delivery service to configure the yum service to use to pull down packages   |
| <b>subscription-manager register \</b><br><b>--name=host.example.com</b>                                 | Sets the name of the system to register (defaults to hostname)                                              |
| <b>subscription-manager register \</b><br><b>--consumerid=12345d6d-83ed-44f8-99bf-14f605bbeXXX</b>       | References an existing system inventory ID to re-register a system                                          |
| <b>subscription-manager register \</b><br><b>--activationkey=Example_Key1</b>                            | Gives a comma-separated list of product keys to use to redeem or apply specific subscriptions to the system |
| <b>subscription-manager register --auto-attach</b>                                                       | Automatically attaches the best-matched, compatible subscriptions to this system                            |
| <b>subscription-manager register --auto-attach \</b><br><b>--servicelevel=standard</b>                   | Sets the service level (standard, premium, or self-support) to use with subscriptions                       |
| <b>subscription-manager register --force</b>                                                             | Registers the system even if it is already registered                                                       |
| <b>subscription-manager register --org=Example_Org1</b>                                                  | Assigns the system to an organization                                                                       |
| <b>subscription-manager register \</b><br><b>--environment=Example_Env</b>                               | Registers the system to an environment within an organization                                               |
| <b>subscription-manager register --proxy=host:3128 \</b><br><b>--proxyuser=jo --proxypass=MyKul22pwd</b> | Registers system via a proxy server                                                                         |

### LIST SUBSCRIPTION AND PRODUCT INFORMATION FOR THE SYSTEM

#### SUBCOMMAND DESCRIPTIONS AND TASKS

|                                                                              |                                                                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>list</b>                                                                  | Lists subscription and product information for this system                                                   |
| <b>subscription-manager list --available</b>                                 | Lists available subscriptions not yet attached to the system                                                 |
| <b>subscription-manager list --available --all</b>                           | Lists all possible subscriptions that have been purchased, even if they do not match the system architecture |
| <b>subscription-manager list --available \</b><br><b>--match-installed</b>   | Shows only subscriptions matching products that are currently installed                                      |
| <b>subscription-manager list --available \</b><br><b>--no-overlap</b>        | Shows pools which provide products that are not already covered                                              |
| <b>subscription-manager list --available \</b><br><b>--ondate=2016-12-25</b> | Sets the date to use to search for active and available subscriptions                                        |
| <b>subscription-manager list --consumed</b>                                  | Lists all subscriptions currently attached to the system                                                     |
| <b>subscription-manager list --installed</b>                                 | Lists products (subscribed or not) currently installed on the system.                                        |

### ATTACH OR AUTO-ATTACH A SUBSCRIPTION TO THE SYSTEM

#### SUBCOMMAND DESCRIPTIONS AND TASKS

|                                                                                        |                                                                                                                         |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>attach</b>                                                                          | Attaches a specified subscription to the registered system                                                              |
| <b>subscription-manager attach \</b><br><b>--pool=8af5f9643d4ade76013123451f6e495d</b> | Gives the ID for the subscriptions pool (collection of products) to attach to the system (required unless using --auto) |
| <b>subscription-manager attach --quantity=1</b>                                        | Sets the number of subscriptions attached to the system (default 1)                                                     |
| <b>subscription-manager attach --auto</b>                                              | Automatically attaches the best-matched compatible subscriptions to the system                                          |
| <b>subscription-manager attach \</b><br><b>--servicelevel=standard</b>                 | Sets the service level (standard, premium, or self-support) for subscriptions attached to the system                    |
| <b>auto-attach</b>                                                                     | Sets whether the ability to check, attach, and update subscriptions occurs automatically on the system every four hours |
| <b>subscription-manager auto-attach --enable</b>                                       | Enables the auto-attach option for the system                                                                           |
| <b>subscription-manager auto-attach --show</b>                                         | Shows whether auto-attach is enabled on the systems                                                                     |
| <b>subscription-manager auto-attach --disable</b>                                      | Disables the auto-attach option for the system                                                                          |

### PULL LATEST SUBSCRIPTION DATA FROM SERVER

#### SUBCOMMAND DESCRIPTIONS AND TASKS

|                |                                                    |
|----------------|----------------------------------------------------|
| <b>refresh</b> | Pulls the latest subscription data from the server |
|----------------|----------------------------------------------------|

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