List Available Repositories in Red Hat

Listing repositories with subscription-manager

I have finally gotten around to launching a new **RHEL 8.1** virtual machine on my **macOS** desktop, this time I installed it from RHEL 8.1 ISO image.

Although I have shown how to list available **Red Hat subscriptions** before, I never spent much time looking into various repos – so this post shows some basics.

Why You Need Repos in **RHEL 8**

**RHEL 8** has more software repositories available via various subscriptions than ever. Each subscription maps your operating system to a number of related repos, providing utmost granularity to installing and updating software.
I had to learn how to list repos because I wanted to install **Ansible** packages, turning one of my servers into an Ansible deployment server. Although **Ansible** is an open-source project, it’s not a core element of Red Hat Enterprise Linux, and that means it’s not available via core **RHEL 8** repositories.

Instead, you need to find and **enable Ansible repo in RHEL 8** (I’ll show how it’s done in the next few days).

### How To List Software Repositories in RHEL 8

Simply run **`subscription-manager command`** with **repos** parameter, you’ll get quite a number of repositories reported back (I’m only showing you the first few):

```
root@rhel8:~ # subscription-manager repos
+-------------------------------------------------------------------+
| Available Repositories in /etc/yum.repos.d/redhat.repo          |
+-------------------------------------------------------------------+
| Repo ID:  rhel-atomic-7-cdk-2.4-rpms                             |
| Repo Name: Red Hat Container Development Kit 2.4 /(RPMs)        |
| Repo URL: https://cdn.redhat.com/content/dist/rhel/atomic/7/7Server/$basearch/cdk/2.4/os |
| Enabled:  0                                                      |
| Repo ID:  satellite-tools-6.6-for-rhel-8-x86_64-eus-rpms        |
| Repo Name: Red Hat Satellite Tools 6.6 for RHEL 8 x86_64 -     |
| Extended Update Support (RPMs)                                 |
| Repo URL: https://cdn.redhat.com/content/eus/rhel8/$releasever/x86_64/sat-tools/6.6/os |
| Enabled:  0                                                      |
```
When I say “quite a number“, I mean a lot of subscriptions are available:

```
root@rhel8:~ # subscription-manager repos | grep "Repo ID" | wc -l
148
```

See Also

- Red Hat Enterprise Linux
- RHEL 8 Reference
- Upgrading to RHEL 8.1
- Show RHEL subscriptions
- Web console in RHEL 8
- yum: list and install software groups