

# Installing and removing software with Zypper reference

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# 1 Environment

This document applies to the following products and product versions:

- SUSE Linux Enterprise Server 15 SP5, 15 SP4, 15 SP3, 15 SP2, 12 SP5
- SUSE Linux Enterprise Server for SAP Applications 15 SP5, 15 SP4, 15 SP3, 15 SP2, 12 SP5
- SUSE Linux Enterprise High Availability 15 SP5, 15 SP4, 15 SP3, 15 SP2, 12 SP5
- SUSE Linux Enterprise High Performance Computing 15 SP5, 15 SP4, 15 SP3, 15 SP2
- SUSE Linux Enterprise Desktop 15 SP5
- SUSE Linux Enterprise Real Time 15 SP5

## 2 Install and remove packages with Zypper

The following two basic commands can be used to install and remove packages:

```
> sudo zypper install PACKAGE_NAME  
> sudo zypper remove PACKAGE_NAME
```

### SELECTING PACKAGES TO INSTALL OR REMOVE

#### **zypper install MozillaFirefox**

Install a package using its exact name.

#### **zypper install MozillaFirefox-92**

Install a package by its exact name and version number.

#### **zypper install mozilla:MozillaFirefox**

Install a package by its exact name from a specific repository (where mozilla refers to the desired repository).

#### **zypper install 'Moz\*'**

Install a package using wild cards in its name. The example command above installs all packages which names start with “Moz”.

#### **zypper install firefox**

Install a package by the capability it provides. In this example, the firefox capability is provided by the MozillaFirefox package, thus running the command installs this specific package. For more information on the concept of capability, refer to "Capability concept".

### zypper install 'firefox.x86\_64'

Install a package by its capability, hardware architecture and version. Versions must be appended to the end of the string and must be preceded by an operator: < (lesser than), <= (lesser than or equal), = (equal), >= (greater than or equal), > (greater than):

```
> sudo zypper install 'firefox>=74.2'
```

You can also combine a hardware architecture and version requirement:

```
> sudo zypper install 'firefox.x86_64>=74.2'
```

### zypper install /tmp/install/MozillaFirefox.rpm and zypper install http://download.example.com/MozillaFirefox.rpm

Install a package using a local or remote RPM file.