

NAME

build - build SuSE Linux RPMs in a chroot environment

SYNOPSIS

```
build [--clean|--no-init][--rpms path][specfile]
build [--help]
build [--verify]
```

DESCRIPTION

build is a tool to build SuSE Linux RPMs. **build** will install a minimal SuSE Linux as build system into some directory and will chroot to this system to compile the package.

This way you don't risk to corrupt your working system (due to a broken spec file for example), even if the package does not use BuildRoot.

build also handles build dependences, i.e. all RPMs required to build some package are installed into the build system. The extra line usedforbuild in the spec file is used for this to get a list of all needed RPMs, and this is the place where you should add RPMs you otherwise would put in the BuildRequires part of the specfile.

Dependencies of installed RPMs will be ignored, all RPMs have to be listed in the spec file in this line. It should also be added to the line neededforbuild although it's at the moment only used internally at SuSE.

build expects to find all files (spec file, sources, patches) for the package to build within the current working directory. If you want to rebuild (or modify + rebuild) a package from the distribution, you should create some directory, change into this directory, unpack the source rpm there (`rpm2cpio <file> | cpio --extract`), then run the **build** utility.

OPTIONS

- clean** remove the build system and reinitialize it from scratch.
- no-init** skip the build system initialization and start with build immediately.
- rpms path1:path2:path3...** Where build can find the SuSE Linux RPMs needed to create the build system.
- arch arch1:arch2:arch3...** What architectures to select from the RPMs.
- help** Print a short help text.
- verify** verify an existing build system if files are missing.

ENVIRONMENT

BUILD_ROOT
The directory where build should install the chrooted build system.
"/var/tmp/build-root" is used by default.