

Verstas Installation

1 Recommended system requirements

- Red Hat Linux version 7.1 or higher (or other similar Linux distribution)
- RPM version 4.0.2 or higher
- findutils
- textutils
- sh-utils
- perl5
- libjpeg 6b
- XEmacs (version 21.1.14 and higher are known to work)
- GNU-Emacs (not recommended due to slow GUI refreshing)

RPM package requirements can be viewed with commands:

```
rpm -qp --requires verstas-[version]-[release].i386.rpm
rpm -qp --requires verstas-solver-[version]-[release].i386.rpm
```

2 Package installation

Verstas ships with two RPM packages:

- `verstas-[version]-[release].i386.rpm`
 - Verstas main program
 - libborqt library
 - Emacs Elisp module
 - Help files
- `verstas-solver-[version]-[release].i386.rpm`
 - Verstas Solver main program
 - Mkmf program for **Makefile** generation
 - Default **Makefile** templates
 - Help files

The packages are installed with root user privileges with commands:

```
rpm -Uvh verstas-[version]-[release].i386.rpm
rpm -Uvh verstas-solver-[version]-[release].i386.rpm
```

This installs both Verstas and Verstas Solver packages in `/usr/local` prefix. Verstas Solver package requires Verstas package to be installed.

If `rpm` command gives error messages of failed dependencies, install first the required RPM packages. Missing RPM packages for specific distribution can be searched for example from <http://www.rpmfind.net/> or Red Hat Linux mirrors (<http://www.redhat.com/download/mirror.html>).

After installation package information and listing can be viewed with commands:

```
rpm -qil verstas
rpm -qil verstas-solver
```

3 Starting Verstas

First make sure `/usr/local/bin` is in `PATH` environment variable with command:

```
echo $PATH
```

If not, add the following lines to end of `/etc/profile` file:

```
PATH=$PATH:/usr/local/bin
export PATH
```

Verstas starts with command: `verstas`.

4 Updating an existing installation

Update is performed with commands:

```
rpm -Fvh verstas-[version]-[release].i386.rpm
rpm -Fvh verstas-solver-[version]-[release].i386.rpm
```