

VeloView Developer Guide

Software developer documentation for the VeloView application and libraries

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1 Build instructions

1.1 Superbuild overview

1.2 Getting the source code

You'll use git to checkout the VeloView source code repository. The software is hosted on GitHub. The checkout command is:

```
git clone git://github.com/patmarion/veloview-superbuild.git
```

1.3 External dependencies

The VeloView application and libraries have several external library dependencies. As explained in the [Superbuild overview](#), the dependencies will be downloaded and compiled automatically during the build step. See [Configure and build instructions](#).

1.3.1 *pcap*

1.3.2 *Boost*

1.3.3 *Qt*

1.3.4 *Python*

1.3.5 *PythonQt*

1.3.6 *VTK and ParaView*

1.4 Configure and build instructions

The build requires cmake:

```
mkdir build
cd build
cmake ../veloview-superbuild
```

1.5 Packaging

1.5.1 *Packaging for MacOSX*

1.5.2 *Packaging for Windows*

2 Developer Guide

2.1 Source code organization

2.2 ParaView plugin

2.3 VTK readers

2.4 VeloView application

2.5 Python implementation

2.6 PythonQt