

CSK

VDMTools

VDM++ Installation Guide

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VDM++ Installation Guide — Revised for V6.8.1

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1 Introduction

This document describes how to install VDMTools. VDMTools can be installed on the following platforms:

- PC/586, 686, running Windows 2000 or Windows XP. (Throughout this guide we use the term “Windows” to refer collectively to Windows 98, Windows 2000 and Windows NT).
- PC/586, 686, running Linux RedHat /Mandrake /SuSE with Qt 3.2 or later
- Macintosh Mac OS X 10.3.x

An installation of VDMTools consists of the component:

- the VDMTools application,

The installation description is divided into two parts: one for the Windows platform, and one for the Unix platform.

2 Installing VDMTools on a Windows Platform

This section includes steps to install VDMTools on a Windows platform. *Note: for the time being VDMTools must be installed on each machine where it should be used, it cannot be installed on a server and run from there.*

The VDMTools installation consists of the following step.

1. Install VDMTools on the destination machine, by running the installation program (named `setuppp-<version>.exe`). The installation program will prompt for the installation directory.

2.1 Installing the VDM++ Add-In for Rational Rose

If Rational Rose (Rose 98 or Rose 2000) is already installed on your Windows system, the VDM++ add-in will automatically be added to the Rose environment when installing the VDMTools. The VDM++ add-in will automatically be registered in the Windows registry for Rational Rose.

If the Toolbox is installed before Rose, the user has to use the following steps to install the VDM++ add-in:

- Install Rose.
- Run the installation program named `inst_addin.exe`. This can be found in the `uml` subdirectory of the VDM++ Toolbox installation. The VDM++ add-in will then automatically be registered in the Windows registry for Rational Rose.

Restart Rose. Confirm that your add-in is activated via the Add-In Manager menu of Rose.

3 Installing VDMTools on a Unix Platform

3.1 Installing a Copy of VDMTools

1. Create a directory `vpphome` to hold VDMTools.
2. Read in the discs or the files down-loaded from CSK's WWW or ftp server in the `vpphome` directory with the `tar` command. This will create a number of files which must be installed explicitly as described in the following steps.
3. Install the executables `bin/vppde` and `bin/vppgde` either by moving them to your standard binary directory or by including the directory `vpphome/bin` in your path.

You should now be able to call the tools from the command line.

3.2 Installing VDMTools for Emacs

If you wish to use VDMTools within Emacs you must perform the following steps that show how to set up Emacs to support the tools in Emacs.

1. Installing the Emacs interface.

Install the Emacs interface `emacs/vppde.el` either by placing it with your existing Emacs utilities according to your own site procedures, or by moving it to one of your local directories.

2. Updating your `.emacs` file

Set up your `.emacs` file to read in the `vppde.el` interface. If you have located `emacs/vppde.el` with your standard Emacs utilities you must add the following line to your `.emacs` file

```
(autoload 'vppde "vppde" "" t)
```

otherwise you must add the full path to `emacs/vppde.el` like

```
(autoload 'vppde "/path/vppde" "" t)
```

You should now be able to use the VDMTools.

4 How to get New Releases

When a new version of VDMTools is released it will be made available under CSK's WWW site:

http://www.csk.co.jp/index_e.html