
Administrator's Guide

This document explains how the VTune(TM) Performance Analyzer for Linux* installation can affect your system.

Installation Overview

The program installs the VTune analyzer for Linux and the following components:

- * VTune analyzer Driver Kit. This Driver Kit enables creating a driver for collecting sampling data. This software is necessary if the VTune analyzer does not have a pre-built driver available for your Linux kernel. During the installation process the driver kit is used to build a new driver.
- * EntireX* package. This software is required by the VTune analyzer to emulate Win32* and DCOM on Linux operating system.
- * VTune analyzer Remote Agent. This software is necessary if you want to collect data on a controlled system, and analyze and view the data collection from a controlling system that has the VTune analyzer installed.
- * Eclipse* package. This package is required by the graphic user interface (GUI) version of the VTune analyzer.

The VTune analyzer installation requires root privileges.

See the Installation Guide for installation instructions and the directory map with the default structure of the VTune analyzer components and contents of each sub-directory.

The file location is: <installdir>/INSTALL.txt.

By default, the <installdir> is /opt/intel/vtune

Collecting Data on an Unsupported Operating System

If you want to collect data on an operating system that is not supported, install the VTune analyzer Remote Agent on it and collect data using the typical installation of the VTune analyzer on a controlling system.

See the product Release Notes for the information on the supported operating systems.

Installing on a System with an Unsupported Kernel

If you install the VTune analyzer for the first time and it does not have a pre-built driver available for your Linux kernel, the installation prompts you to build a driver.

See the Installation Guide, Custom Installation, for information on the VTune Analyzer Driver Kit and instructions for building the drivers.

The file location is <installdir>/INSTALL.txt.

Security Considerations

The EntireX component of the installation program creates a new user and a user group and names them "vtunesag". The program starts as a daemon process with privileges of a sag user. Deleting the sag user account from the system account files disables the VTune analyzer functionality.

By default, the VTune analyzer uses port # 50000. Make sure to enable these ports when using the VTune analyzer Remote Agent. If you use a firewall, that disables these ports you need to set the Remote Agent to use different ports.

To set the VTune analyzer to use different ports, enter command at the command line on the vtserver:

-p <port number>

For example:

vtserver -p 50100

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In this case, make sure to use ports that are enabled on your firewall.
Run `vtserver -h` to see the available switches and commands.
The vtserver location is: `<install_dir>/bin/vtserver`

Support and Documentation

Free Technical Support

Contact Intel technical support through your Intel (R) Premier Support account and the related web site at <https://premier.intel.com/>.
If you can not register your product, or you can not access your account, complete the form available at <https://registrationcenter.intel.com/support/> to submit a technical support request.

Release Information

Refer to the Release Notes and License agreements available at `<install_dir>/Release_Notes.htm`.

Product Documentation

An HTML file with links or pointers to all product documentation for the VTune analyzer is available after product installation. To view the document, open this file using a browser: `<install_dir>/doc/Doc_Index.htm`.

Getting Started

Once installation is complete, you can gain a quick understanding of product operation by executing the procedures in the Getting Started with the VTune(TM) Performance Analyzer for Linux* document. This document is available at `<install_dir>/doc/Getting_Started.pdf`.

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