



## Introduction

This document explains how to install and configure the Intel® Trace Analyzer and Collector. Installation is a multi-step process. Read this document in its entirety before beginning, and follow the steps in sequence. For information about the product contents, including new and changed features, see the [Release Notes](#).

If you have a previous version of the Intel Trace Analyzer and Collector installed, you do not need to uninstall it before installing this version. If you choose to uninstall the older version, you may do so before or after installing this version.

## System Requirements

The following section describes supported hardware.

Systems based on the Intel® 64 architecture:

- Intel® Core™ processor family or higher
- Intel® Xeon® processors recommended
- 1 GB of RAM per core
- 2 GB of RAM per core recommended
- 1 GB of free hard disk space

## Obtaining Intel® Trace Analyzer and Collector

Before installing the Intel Trace Analyzer and Collector, you should check the [Intel® Software Development Products Registration Center](#) to see if a newer version or an update is available. The version on CD or as listed in your electronic download license letter may not be the most current.

## Installing Intel® Trace Analyzer and Collector

### Installation Instructions

To install the Intel Trace Analyzer and Collector package, do the following:

1. Upon registering for the Intel Trace Analyzer and Collector, you receive a serial number for this product. Your serial number be found within the email receipt of your product purchase. Go to the [Intel® Software Development Products Registration Center](#) site and provide the product serial number information. Once admission has been granted into the registration center, you are able to access the [Intel® Premier Customer Support](#) web pages for software support.
2. Extract the `l_itac_p_<version>.<package_num>.tgz` package using the following commands:  

```
# cp l_itac_p_<version>.<package_num>.tgz /tmp
# cd /tmp
# tar -xzf l_itac_p_<version>.<package_num>.tgz
```
3. Place the license file for the Intel Trace Analyzer and Collector that is provided to you in `/tmp/l_itac_p_<version>.<package_num>`. Do not change the file name as the ".lic" extension is critical. For instance, do the following:  

```
# cd l_itac_p_<version>.<package_num>
# cp <license key>.lic .
```

You can set a public key file to validate the digital signature of the Red Hat\* Package Manager (RPM) packages. The `PUBLIC_KEY.PUB` key is included in the package. If you do not include the

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`PUBLIC_KEY.PUB` argument in the command line, it is necessary to have active internet connection to automatically download the public key from the Intel® Reseller Center website.

4. Execute the install script:

```
# ./install.sh
```

5. If you started installation as an ordinary user, you will be prompted for a choice. Make a choice and hit the enter key.

```
Please make your selection by entering an option.

Root access is recommended for evaluation.


1. Run as a root for system wide access for all users [default]
2. Run using sudo privileges and password for system wide access for all users
3. Run as current user to limit access to user level


h. Help
q. Quit


Please type a selection [1]:
```

If you start installation as root, the message above does not appear.

6. The **Welcome** dialog box appears:

```
Step 1 of 7 | Welcome

-----

Welcome to the Intel® Trace Analyzer and Collector <version> for Linux* OS
installation program.

-----

You will complete the steps below during this installation:
Step 1 : Welcome
Step 2 : License agreement
Step 3 : Activation
Step 4 : Intel® Software Improvement Program
Step 5 : Options
Step 6 : Installation
Step 7 : Complete

-----

Press "Enter" key to continue or "q" to quit:
```

7. The **End User License Agreement** dialog box appears:

```
-----

Step 2 of 7 | License agreement

-----

As noted in the Intel® Software Development Products End User License
Agreement, the Intel® Software Development Products you install will send Intel
the product serial number and other system information to help Intel improve
```

the product and validate license compliance. No personal information will be transmitted.

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To continue with the installation of this product you are required to accept the terms and conditions of the End User License Agreement (EULA). The EULA is displayed using the "more" utility. Press the spacebar to advance to the next page or enter "q" to skip to the end. After reading the EULA, you must enter "accept" to continue the installation or "decline" to return to the previous menu.

--More--[Press space to continue, 'q' to quit.]

8. Select the activation method you want to use:

Step 3 of 7 | Activation

-----

If you have purchased this product and have the serial number and a connection to the internet you can choose to activate the product at this time. Activation is a secure and anonymous one-time process that verifies your software licensing rights to use the product. Alternatively, you can choose to evaluate a product or defer activation by choosing the evaluate option. Evaluation software will time out in about one month. Also you can use license file or Intel® Software License Manager.

- 
1. I want to activate my product using a serial number [default]
  2. I want to evaluate my product or activate later
  3. I want to activate by using a license file, or by using a Intel® Software License Manager

h. Help

b. Back to the previous menu

q. Quit

-----

Please type a selection or press "Enter" to accept default choice [1]:

9. Assuming you select option 2 as the activation method, **Alternative activation** dialog appears :

Step 3 of 7 | Activation options > Alternative activation

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Your license file is available for download from <https://registrationcenter.intel.com>. Further instructions are available at <http://software.intel.com/en-us/articles/offline-activation-of-intel-software-development-products>.

The Intel® Software License Manager User's Guide explains how to download, install, configure and troubleshoot the Intel® Software License Manager. The

guide is available at:

<http://software.intel.com/en-us/articles/license-manager-for-flexlm-users-guide>.

- 
1. Activate offline
  2. Use Intel® Software License Manager

- h. Help
- b. Back to the previous menu
- q. Quit
- 

Please type a selection or press "Enter" to accept default choice:

10. If you select to activate offline, you are prompted for the license file location. Provide a directory path to where the license file resides or full license file name.
11. Intel® Software Improvement dialog box appears:

Step 4 of 7 | Intel® Software Improvement Program

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Help improve your experience with Intel® software.

Participate in the design of future Intel software. Select 'Yes' to give us permission to learn about how you use your Intel software and we will do the rest.

- No personally identifiable information is collected
- There are no additional follow-up emails by opting in
- You can stop participating at any time

Learn more about the Intel® Software Improvement Program

<http://software.intel.com/en-us/articles/software-improvement-program>

With your permission, Intel may automatically receive anonymous information about how you use your current and future Intel® Software Development Products.

- 
1. Yes, I am willing to participate and improve Intel software. (Recommended)
  2. No, I don't want to participate in the Intel® Software Improvement Program at this time.

- b. Back to the previous menu
- q. Quit
- 

Please type a selection:

12. **Options** dialog box appears:

Step 5 of 7 | Options

---

This product can be installed on cluster nodes.

1. Finish configuring cluster [default]

2. Configuration type [Current node]

h. Help

b. Back to the previous menu

q. Quit

Please type a selection or press "Enter" to accept default choice [1]:

In this dialog box, select option 1 to start installation immediately. Select option 2 to install the product on cluster compute nodes. By default, it is installed only on the head node.

13. After activation, you will see the **Pre-install Summary** dialog box:

Step 5 of 7 | Options > Pre-install Summary

Install location:

/opt/intel/itac/<version>.<package\_num>

Component(s) selected:

Intel® Trace Analyzer and Collector <version> 297MB

Intel® Trace Analyzer for Intel® 64 Architecture

Intel® Trace Collector for Intel® 64 Architecture

Intel® Trace Collector for Intel® Many Integrated Core Architecture

Install Space Required: 297MB

Cluster installation type:

Product will be installed on a single node

1. Start Installation Now [default]

2. Customize installation

h. Help

b. Back to the previous menu

q. Quit

Please type a selection or press "Enter" to accept default choice [1]:

14. If you choose to customize installation, **Options** dialog box appears:

Step 5 of 7 | Options

You are now ready to begin installation. You can use all default installation settings by simply choosing the "Start installation Now" option or you can customize these settings by selecting any of the change options given below the first. You can view a summary of the settings by selecting

"Show pre-install summary".

-----

1. Start installation Now

2. Change install directory [ /opt/intel/itac/<version>.<package\_num> ]

3. Change components to install [ All ]

4. Show pre-install summary

h. Help

b. Back to the previous menu

q. Quit

-----

Please type a selection or press "Enter" to accept default choice [1]:

15. After you choose the necessary installation type, installation process begins. When the installation is completed, press "Enter" to continue.

16. When the installation is completed, **Complete** dialog box appears:

Step 7 of 7 | Complete

-----

Thank you for installing and for using the Intel® Trace Analyzer and Collector  
<version> for Linux\* OS.

Support services start from the time you install or activate your product.

If you have not already done so, please create your support account now to  
take full advantage of your product purchase.

Your support account gives you access to free product updates and upgrades  
as well as interactive technical support at Intel® Premier Customer Support.

To create your support account, please visit the Intel® Software Development  
Products Registration Center web site

<https://registrationcenter.intel.com/RegCenter/registerexpress.aspx?media=939>

-----

q. Quit

-----

Please type a selection or press "Enter" to accept default choice [q]:

## Installer Options

**-h, --help**

Print help message

**-v, --version**

Print version information

**-s, --silent [FILE]**

Run install silently, with settings in configuration file

**-d, --duplicate [FILE]**

Run install interactively, record the user input into the configuration file

**-t, --tmp-dir [FOLDER]**

Set custom temporary folder

**-l, --lang**

Set user interface language

**--cli-mode**

Run install in command-line mode

**--gui-mode**

Run install in graphical mode

**--user-mode**

Run install with current user privileges

**--ignore-cpu**

Skip CPU model check

**--nonrpm-db-dir**

Set directory to store product installation database

**--SHARED-INSTALL**

Install to a network-mounted drive or shared file system for multiple users

**--signature PUBLIC\_KEY.PUB**

Set public key file to validate digital signature of the Red Hat\* Package Manager (RPM) packages. The `PUBLIC_KEY.PUB` key is included in the package.

**--ignore-signature**

Skip signature validation

## Silent Installation

The `install.sh` script has a silent installation mode that helps you to install the Intel Trace Analyzer and Collector on clusters with many nodes. Edit the `silent.cfg` file contained in the unpacked package directory or create a new one to use this mode. See the description of the environment variables below.

**PSET\_INSTALL\_DIR**

Set the prefix of the installation directory

## ACTIVATION

Activation type. Possible values:

- `exist_lic` – use license exists on the system
- `serial_number` – use serial number
- `license_file` – use license file
- `trial_lic` – use trial activation

## PSET\_LICENSE\_FILE

Set the full path to the product license, including the filename. Applicable if `ACTIVATION=license_file`.

## INSTALL\_MODE

Set the installation mode: `RPM` or `NONRPM`

## CONTINUE\_WITH\_INSTALLDIR\_OVERWRITE

## CONTINUE\_WITH\_OPTIONAL\_ERROR

Ignore warning messages (`yes|no`)

## ACCEPT\_EULA

Set this variable to `accept`, if you agree to the terms and conditions listed in `license.txt`. Otherwise, set to `decline`.

## Installation in Graphical User Interface Mode

There is a prerequisite: X-server should be up and running.

Follow these steps to install the Intel Trace Analyzer and Collector in the GUI mode:

1. Invoke the Graphical User Interface installation by entering the following command:  
`./install.sh --gui-mode`
2. In the **User Selection** dialog box, select the corresponding option to indicate that you want to install as a root, install as a root using sudo command, or install as a current user. Click **Next** to continue.
3. In the **EULA** dialog box, read and accept the terms of the End User License Agreement.
4. You may be asked to select an activation type. Select the preferred type and provide additional information (serial number or license file). Click **Next** to continue.
5. Assuming you select alternative activation, the **Alternative activation** dialog box appears. In this dialog box, you can choose whether to use license file or Intel® Software License Manager.
6. The **Intel® Software Improvement Program** dialog box appears. With your permission, Intel may automatically receive anonymous information about how you use your current and future Intel® Software Development Products. Select 'Yes' to give us permission to learn about how you use your Intel software and we will do the rest. Note that no personally identifiable information is collected, you do not receive any additional follow-up emails when opted in, and you can stop participating at any time. You can learn more about the Intel® Software Improvement Program at <http://software.intel.com/en-us/articles/software-improvement-program>.
7. The **Installation Summary** dialog box appears. Press the **Customize Installation** button to specify the install directory, select the components you want to install, and enable installation on cluster nodes.  
Click **Next** to start installation.
8. Click **Finish** to complete the installation.

## Setting up the Environment

1. Source the appropriate `itacvars.[c]sh` script from the Intel® Intel Trace Analyzer and Collector `bin` directory.



2. If using Intel® Professional Edition Compilers, source any required `*vars.[c]sh` scripts.
3. Set up additional environment variables as needed.
4. See the [Intel® Trace Analyzer and Collector Getting Started Page](#) for more information.

## Uninstalling Intel® Trace Analyzer and Collector

To uninstall the Intel Trace Analyzer and Collector, go to the Intel Trace Analyzer and Collector installation directory and run the `uninstall.sh` script.

To uninstall the Intel Trace Analyzer and Collector in the GUI mode, enter the following command:

```
./uninstall.sh --gui-mode
```

In the graphical user interface, take these steps to uninstall the Intel Trace Analyzer and Collector:

1. Select the user type in the **User Selection** dialog box. Click **Next** to continue.
2. In the **Options** dialog box, specify whether you want to uninstall the Intel Trace Analyzer and Collector from the current node, or from the whole cluster. Click **Next** to continue.
3. The **Uninstall Summary** dialog box appears. Click the **Uninstall** button to uninstall the Intel Trace Analyzer and Collector.
4. When the Intel Trace Analyzer and Collector is uninstalled, the **Complete** dialog box appears.

**Note:** Uninstalling the Intel Trace Analyzer and Collector does not delete the corresponding license file.

## Obtaining Technical Support

To receive technical support for this product, you need to be registered for an Intel® Premier Customer Support account on our secure web site, <https://premier.intel.com>. Register your product in the Intel® Software Development Products Registration Center at <https://registrationcenter.intel.com/>

**Note:** If you have questions or problems getting started with the Intel® Trace Analyzer and Collector, please contact support at <https://registrationcenter.intel.com/support/>

For general support information please visit <http://software.intel.com/en-us/intel-trace-analyzer/> or <http://software.intel.com/en-us/support/>

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