

Collect for Tru64™ UNIX®

Collect is a tool that collects operating system and process data under Compaq Tru64 UNIX Versions 4.x and 5.x. Collect is designed for high reliability and low system-resource overhead.



Flexible, reliable, and lightweight

Current users love Collect because it performs needed tasks reliably and with low impact on resources.

- Collect is very lightweight, using less than 1% of CPU capacity if sampling is performed at 30-second or greater intervals.
- Collect gathers as much data as is reasonably possible at these intervals, and it can sample at subsecond rates if required. Some of our larger installations take advantage of this subsecond capability.
- Collect is highly flexible.

You can configure Collect to gather data from all subsystems or any combination of subsystems.

You can run Collect in either interactive mode or historical mode.

You can use Collect's tightly integrated associated tools, `collgui` and `cfilt`, to display graphs from either real-time or previously collected data.

- Collect is free and the source code is available. (Compaq supports the open source movement.)
- Collect exports to Microsoft Excel.

Using the `cfilt` and `collgui` associated tools, Collect's output can be exported for easy display in an Excel spreadsheet.

These features further enhance Collect's low system impact. If you are running low on disk space, Collect will "sleep" until you recover. And, if you do suffer a crash, you will still have all the data from the most recent write interval.

COMPAQ
NonStop™

New for 5.1

⇒ **Configure Collect to suspend and resume based on the amount of available free disk space.**

⇒ **Configure Collect to flush buffered data to disk at a user-defined interval.**

Gathers and displays subsystem data

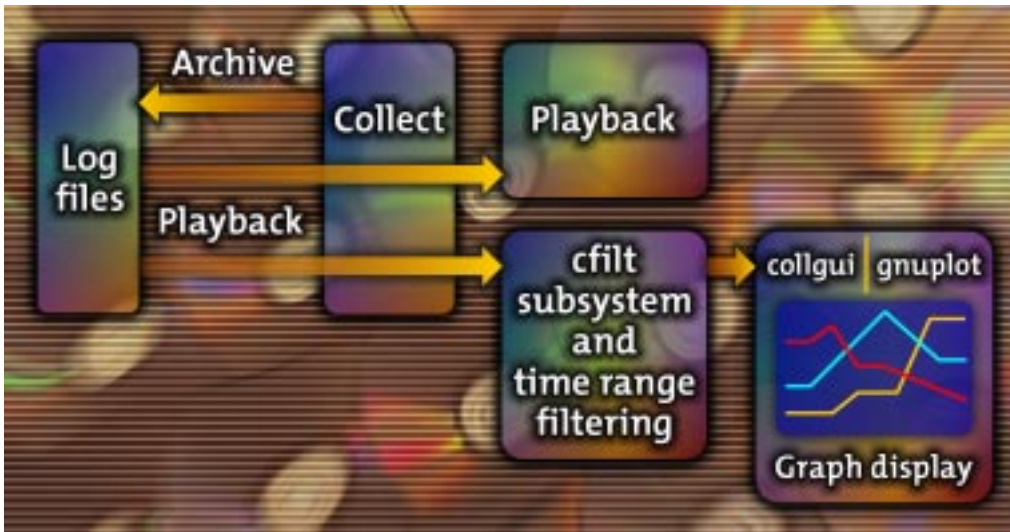
The Collect tool gathers and displays information for *subsystems*. You can set Collect to gather data for a single subsystem or any combination of the following:

- | | | | | |
|---------------|--------|-------|-----------------|-----------|
| ■ process | ■ lsm | ■ tty | ■ memory | ■ network |
| ■ filesystems | ■ disk | ■ cpu | ■ message queue | ■ tape |

Collect has two modes: collection and playback. In collection mode, it gathers operating system and process data and writes it to standard output, to a binary file with a compressed format, or to both.

In playback mode, Collect reads from a previously written binary file and writes to standard output. The format of the data when written to standard output is identical, whether during real-time collection or playback mode.

With the Collect tool's live graphing feature, you can also view the data in real time.



Where to get Collect

Collect will be included with the next release of Tru64 UNIX, and it will also be included in the next patch kit for Tru64 UNIX, expected in early 2000. This new release, Version 2.0, is available for external field test and will install on all supported versions of Tru64 UNIX. Currently, Collect is freely available from the following FTP locations:

- Within Compaq
 - `ftp://ftp.zso.dec.com/pub/collect/` (primary site, United States)
 - `ftp://nasaxp.rto.cpqcorp.net` (secondary site, Germany)
- Outside Compaq
 - `ftp://ftp.digital.com/pub/DEC/collect/` (US)
 - `ftp://ftp.digital.de/pub/digital/collect/` (Germany)

These are the Collect kits at these sites:

- COLLECT200SETLD.tar (setld kit)
- collect-2.00.tar.Z (compressed version)

These Perl kits are also available if you want to use the GUI or filter scripts (collgui and cfilt):

- PERL5003SETLD.tar (DIGITAL UNIX Version 3.0+)
- PERL5004SETLD.tar (DIGITAL UNIX Version 4.0+, and all versions of Tru64 UNIX)

FTP kit

The latest version of Collect is 2.0. Use the setld utility to install the kit for your version of the Tru64 UNIX operating system. This kit contains everything necessary to use all the tools except Perl, which has to be downloaded separately. The tools include gnuplot and image conversion tools for producing GIF and JPEG images from gnuplot.

Perl kit

The above setld kit for Perl includes the Tk extension. If you want to use the graphical user interface for Collect, collgui, you must get this kit and install it using the standard software installation utility setld.

If you already have Perl, you may not have the Tk extension for Perl (not the same as tcl/tk). You can still use cfilt. Edit /usr/bin/cfilt and set the path of Perl to where you have Perl installed. If you also have Tk for Perl, you need to edit /usr/bin/collgui and set the path in the same way.

Frequently asked questions

- What are the requirements to run Collect?

Collect runs on all supported releases of Tru64 UNIX. To run collgui, you also need Perl and Perl/Tk, freely downloadable from the Collect FTP sites.

- Who are Collect's customers?

Major users of Collect are MCI, Nasdaq, Department of Defense, T-Mobil, Deutsche Bank, AOL, Lycos, and Yahoo.

- Where can I get Collect, and what version do I need?

See the "Where to get Collect" section on this page.

- Is Collect a supported product?

As of Version 2.0, Collect is a supported product.

- Can Collect survive a reboot?

Yes. On Tru64 UNIX 5.0A and higher systems, Collect will restart if you configure your system with this command:

```
# rcmgr COLLECT_AUTORUN 1
```

On earlier systems, run the make_links script with the INSTALL argument:

```
# make_links INSTALL
```

This script will install the Collect startup script in the necessary directories for restarting (/sbin/inet.d/rc2.d and /sbin/inet.d/rc3.d).

Questions and comments

If you have any questions or comments, please send mail to the Collect team at this address:

`collect_support@compaq.com`



© 2000 Compaq Computer Corporation

COMPAQ, NonStop, and the Compaq logo Registered in U.S. Patent and Trademark Office. Tru64 is a trademark of Compaq Information Technologies Group, L.P. UNIX is a trademark of The Open Group. Microsoft is a trademark of Microsoft Corporation. All other product names mentioned herein may be trademarks or registered trademarks of their respective companies.

Compaq shall not be liable for technical or editorial errors or omissions contained herein. The information in this document is subject to change without notice.