



EfficiOS - LTTng 2014 Update

LTTng Progress in 2014

- LTTng 2.4 (03/2014)
 - Live trace reading,
 - Java Util Logging,
 - Pthread mutex instrumentation,
 - Event exclusion list,
 - Health check for consumerd and relayd.

LTTng Progress in 2014

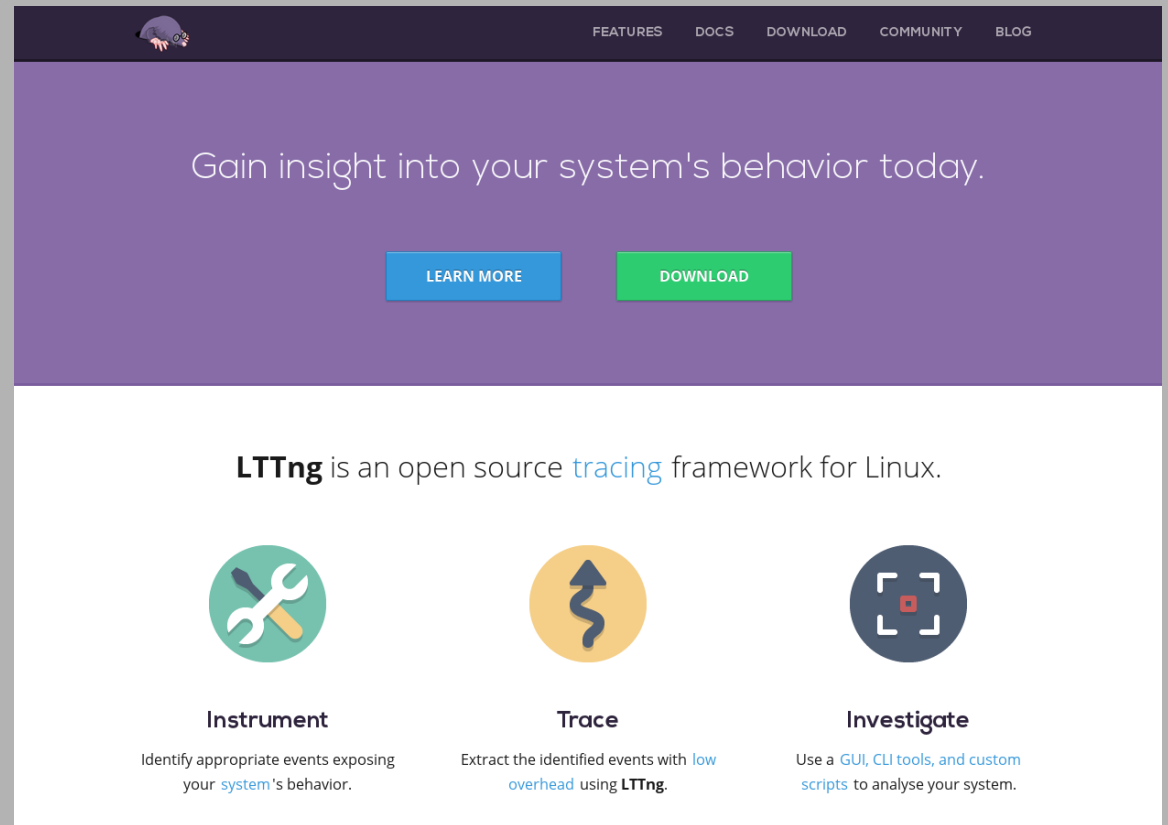
- LTTng 2.5 (08/2014)
 - Filtering for Java Util Logging,
 - LTTng-UST tracef() instrumentation,
 - Userspace Perf PMU counters on x86,
 - Library base address dump,
 - Kernel tracer /proc/lttng-logger interface,
 - Save/load sessions,
 - LTTng session daemon configuration files.

LTTng Progress in 2014 (cont.)

- LTTng 2.6-rc1 (10/2014)
- LTTng 2.6 (approx. 12/2014)
 - LTTng MI (Machine Interface),
 - Java Log4j support,
 - Kernel tracer per system call tracing,
 - Kernel tracer system call content (input/output) fetching,
 - Tracing NMI handlers (with Linux 3.17 or better).

New LTTng Website!

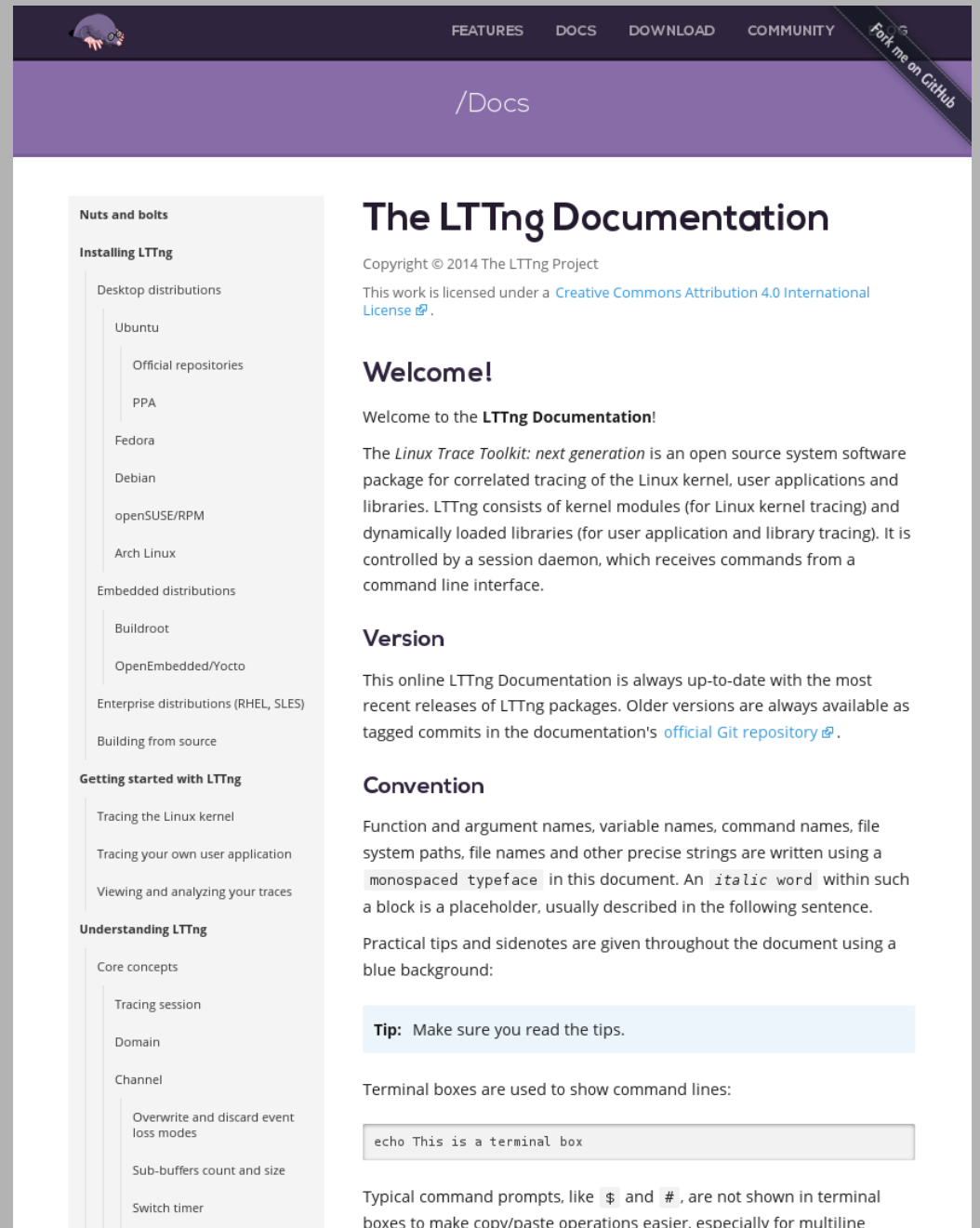
- <http://lttng.org>



New LTTng Documentation!

- <http://lttng.org/docs>

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The screenshot shows the LTTng Documentation website. The header includes navigation links for FEATURES, DOCS, DOWNLOAD, and COMMUNITY, along with a 'Fork me on GitHub' button. The main content area is titled '/Docs' and features a sidebar with a table of contents. The main text area contains the title 'The LTTng Documentation', a copyright notice, a license link, a 'Welcome!' section, a 'Version' section, and a 'Convention' section. A 'Tip' box is highlighted in light blue, and a terminal box is shown with the command 'echo This is a terminal box'.

FEATURES DOCS DOWNLOAD COMMUNITY Fork me on GitHub

/Docs

Nuts and bolts

Installing LTTng

- Desktop distributions
 - Ubuntu
 - Official repositories
 - PPA
 - Fedora
 - Debian
 - openSUSE/RPM
 - Arch Linux
- Embedded distributions
 - Buildroot
 - OpenEmbedded/Yocto
- Enterprise distributions (RHEL, SLES)
- Building from source

Getting started with LTTng

- Tracing the Linux kernel
- Tracing your own user application
- Viewing and analyzing your traces

Understanding LTTng

- Core concepts
 - Tracing session
 - Domain
 - Channel
 - Overwrite and discard event loss modes
 - Sub-buffers count and size
 - Switch timer

The LTTng Documentation

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Welcome!

Welcome to the **LTTng Documentation!**

The *Linux Trace Toolkit: next generation* is an open source system software package for correlated tracing of the Linux kernel, user applications and libraries. LTTng consists of kernel modules (for Linux kernel tracing) and dynamically loaded libraries (for user application and library tracing). It is controlled by a session daemon, which receives commands from a command line interface.

Version

This online LTTng Documentation is always up-to-date with the most recent releases of LTTng packages. Older versions are always available as tagged commits in the documentation's [official Git repository](#).

Convention

Function and argument names, variable names, command names, file system paths, file names and other precise strings are written using a `monospaced typeface` in this document. An *italic word* within such a block is a placeholder, usually described in the following sentence.

Practical tips and sidenotes are given throughout the document using a blue background:

Tip: Make sure you read the tips.

Terminal boxes are used to show command lines:

```
echo This is a terminal box
```

Typical command prompts, like `$` and `#`, are not shown in terminal boxes to make copy/paste operations easier, especially for multiline

LTTng Roadmap

- LTTng 2.7 (approx. 03/2015)
 - LTTng filtering for kernel domain,
 - Per-process user-space and kernel tracing,
 - Wildcards for kernel tracepoints,
 - LTTng modules clock plugin support,
 - LTTng UST clock and getcpu plugin support,
 - LTTng Python logger support,
 - Event format strings,
 - *LTTng analysis scripts.*

Babeltrace Roadmap

- Babeltrace 1.3 (approx. 01/2015)
 - Plugin system overhaul,
 - Intermediate Representation,
 - Event filtering,
 - Event format strings.

Questions ?



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www.efficios.com



lttng.org



lttng-dev@lists.lttng.org



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