Providing Open Source High-Availability Software for Linux and other OSes since 1999.

English *Japanese*

The High Availability Linux Project

The basic goal of the High Availability Linux project is to:

> *Provide a high availability (clustering) solution for Linux which promotes reliability, availability, and serviceability (RAS) through a community development effort.*

The Linux-HA project is a widely used and important component in many interesting High Availability solutions, and ranks as among the best HA software packages for any platform. We estimate that we currently have more than thirty thousand installations up in mission-critical uses in the real world since 1999. Interest in this project continues to grow. These web pages are average nearly 20000 hits per day, and we see more than 100 downloads of Heartbeat per day.

Heartbeat now ships as part of SUSE Linux, Mandriva Linux, Debian GNU/Linux, Ubuntu Linux, Red Flag Linux, and Gentoo Linux. Ultra Monkey, and several company's embedded systems are also based on it. Although this is called the Linux-HA project, the software is highly portable and runs on FreeBSD, Solaris, and OpenBSD, even on !MacOS/X from time to time.

There have been many articles and several chapters in books written on this project and software. See the PressRoom for more details.

We are now competitive with commercial systems similar to those described in D. H. Brown's 1998 or March 2000 analysis of RAS cluster features and functions. This release 2 series brings technologies and basic capabilities which match or exceed the capabilities of many commercial HA systems. We think you'll be surprised. An R2 getting started guide is available.

We include advanced integration with the DRBD real-time disk replication software, and also work well with the LVS (Linux Virtual Server) project. We expect to continue to collaborate with them in the future, since our goals are complementary.

We have a page of reference sites to provide a few real-life

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STONITH / NFS
auto_failback
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ServeRAID / DTD

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Site Search

30 July 2007 Heartbeat release 2.1.2 is now out

Download it and install it!

9 April 2007 Check out the Cool Heartbeat

examples of how organizations both small and large use Heartbeat in production. Submissions for this page are actively encouraged.

Heartbeat is a leading implementor of the Open Cluster Framework (OCF) standard.

Screencasts: Installation, Intro to the GUI

Part of the Heartbeat Education project

Last site update: 2007-10-10 08:35:51

printer friendly view

What Linux-HA can do now

Heartbeat currently supports a very sophisticated dependency model for n-node clusters. It is both extremely useful and quite stable at this point in time. The following types of applications are typical:

- Database servers
- ERP applications
- Web servers
- LVS director (load balancer) servers
- Mail servers
- Firewalls
- File servers
- DNS servers
- DHCP servers
- Proxy Caching servers
- Custom applications
- etc.

Heartbeat is used in virtually every market segment, industry, and organization size.

For a sample list of production users, please see our reference sites.

See the getting started guide for more details on release 2 installations.

See Also

Heartbeat