



Linux Install Automation

WHAT IS STACKI?

Stacki is an open source Linux install automation tool. With Stacki, users are able to rapidly build and operate data center infrastructure for any need, from individual servers to interconnected clusters. Stacki knows how to install Linux, and knows how to automate those installs with required customizationst. Stacki makes it easier than ever to build a robust, production-grade, automated data center. From bare metal or new VM to fully functional server customized to the needs of the organization in minutes. Fast, Repeatable, Thorough.

Organizations of all types are moving toward automated provisioning to overcome increasing workloads without commensurate growth in staff. Stacki (short for "Stack installer") is the world's fastest and easiest-to-use Linux server provisioning tool. There are zero prerequisites for taking systems from bare metal to a ping and a prompt. This includes parallel installation of Red Hat Enterprise Linux or any of its derivatives and configuration of everything a modern data center needs to run, from RAID configuration to networking and core application configuration – everything from bare metal all the way to a working system.

KEY FEATURES

- Complete automation of server provisioning – hardware, operating system, network, and site customizations.
- Supports Red Hat Enterprise Linux and variants like CentOS and Oracle Linux
- Flexible, automated system configuration for all commodity hardware
- Script-free configuration and deployment
- Peer-to-peer Avalanche installer for fast parallel installations
- Disk and network management
- Extensibility to install needed software or customize Linux installs
- Integration of monitoring and application configuration (Pro and Enterprise Editions).

STACKI EDITIONS

With Stacki, you won't be left on your own to deal with any aspect of your data center configuration. To reflect the varied needs of the modern enterprise, we offer three different editions of Stacki, each tailored to the needs of a given group of users.

Stacki Community

Community supported, Linux Install Automation

Stacki Professional

StackIQ supported, from standard use to advanced customizations and application extensions, StackIQ staff will help.

Stacki Enterprise

A full stack enterprise solution, supported by StackIQ, with monitoring, management, and application configuration integrated into the Stacki framework.

SUPPORT

Community Edition Support

The Community Edition is supported by the overall community via the Stacki Google Group and Stacki Wiki, which includes the original developers of the Stacki platform. It is Open Source support at its finest, and comes free for any number of servers.

Professional Edition Support

Professional Support assists organizations during the proof-of-concept, staging, and deployment phases. Included are configuration and installation questions, explanation of routine maintenance, diagnosis of system issues, and any bug fixes or patches that may be necessary. Standard Support subscriptions are intended for environments that are not mission-critical.

Enterprise Edition Support

Enterprise Support includes all of the support coverage from Professional Edition plus the ability to contact StackIQ Support via email or phone, 24x7 with rapid response times for mission critical production issues.

MORE INFORMATION

[Stacki Homepage](#)

[Edition Comparison](#)

[Stacki Community Wiki](#)

[Stacki Community Google Group](#)

ACCELERATE SERVER PROVISIONING

Whether the need is 5 servers or 5000, deployment in Big Data clusters or straight Linux, Stacki can get a project completed early, and can keep it running with clean re-installs and even advanced monitoring and management. Choose the Edition that suits the organizations' needs and start deploying today!



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This product includes software developed by the Rocks Cluster Group at the San Diego Supercomputer Center at the University of California, San Diego and its contributors. Rocks® is a registered trademark of the Regents of the University of California. *RHEL available separately from Red Hat Inc. **Apache Hadoop is included. Other distributions can be licensed independently from their perspective providers.

BENEFITS

Reduced time to production

Choose the software you want, set key parameters, then sit back and let the parallel Avalanche installer build your systems right from bare metal. There is no faster way to go from pallet to production.

Ease of operation

After installing Stacki server, deploying new servers in the datacenter is as easy as telling Stacki how to recognize the server and customizing details like IP and hostname. All of which can be done via command line or spreadsheet. Reinstallation of servers that have become unstable is simple, taking just minutes to return to a known good state (even for hundreds or thousands of servers). This re-installation can include not wiping data drives.

Extensibility

Modular architecture lets you customize your cluster to suit your particular needs. The Stacki platform allows for the management of any application in your environment through Stacki Boxes, Pallets, and Carts. A wide variety of software components are readily available with paid versions, or you can build your own.

Reduced time to scale

When it's time to scale out your deployment, Stacki makes it easy. Since the deployment and management engines were designed for scale, expanding your systems or creating new ones at other locations is straightforward. No one-off scripts to edit. No configuration guesswork.

Interoperability

Stacki users have implemented automated installation of servers and clients for Ansible, Salt, Puppet, and Chef, leading to a "full system" solution that allows current scripts/recipes to be utilized on top of Stacki's Bare Metal installation without having to deploy agents or services by hand.