

# UNBREAKABLE LINUX NETWORK

## UNBREAKABLE LINUX NETWORK (ULN)

- Part of the Oracle Unbreakable Linux support program;
- Provides bug fixes, including security errata to Linux kernel and other packages;
- Notifies via alerts;
- Easily accessible through update agent and web browser.

*The Unbreakable Linux Network (ULN) is a comprehensive resource for Oracle Unbreakable Linux support subscribers, offering access to Linux software patches, updates and fixes, along with information on the up2date program and support policies. Built on open standards, ULN is an easy to use website and can be accessed at <http://linux.oracle.com/>.*

### Overview

Oracle Unbreakable Linux is an enterprise-class support program that delivers award-winning global support for Linux. With this program, Oracle is further committed to delivering high quality, comprehensive, and integrated support to help ensure enterprise success with Linux. Customers can purchase support from the [Oracle Unbreakable Linux Store](#).

Oracle Unbreakable Linux support customers at the Basic and Premier levels have access to the [Oracle Management Pack for Linux](#) at no additional charge. Oracle Management Pack for Linux delivers comprehensive provisioning, patching, monitoring and administration capabilities via a single, web-based interface, further reducing the complexity and cost of managing Linux environments.

Oracle Unbreakable Linux support customers at the Basic and Premier support levels can also download and deploy [Oracle Clusterware](#) at no additional license fee or support cost. Oracle Clusterware is cluster software that groups together individual servers so they can cooperate as a single system and is available for Linux x86 and Linux x86-64.

All Oracle Unbreakable Linux support customers receive access to patches and updates via the Unbreakable Linux Network (ULN).

### Easy-to-Use Web Interface

Registration with ULN is simple. A CSI number issued by Oracle Support Services is all that is needed to register a system with ULN. Registered support customers have easy access via ULN's graphical Web interface to:

- Search for and download packages and source packages;
- View a system's package status to see how many updates are available;
- Subscribe to additional channels with add-on software.

Additionally, the ULN Alert Notification Tool periodically checks with ULN and alerts customers the moment updates are available. Also, subscribers to the Enterprise Linux Errata Mail List receive notifications about security advisories, bug fixes, and package enhancements.

### Unbreakable Linux Update Agent (up2date)

It's easy to get started with ULN via the Unbreakable Linux Update Agent, known as up2date. Using up2date, customers register their servers with ULN in order to obtain updates. When a customer registers a server with ULN, that server is automatically subscribed to a channel which provides the most current package enhancements, security patches, and bug fixes for

Enterprise Linux, the Red Hat-compatible distribution provided by Oracle which is available for [free download](#).

Once registered, customers have the option to subscribe to additional channels, as well as the option to select which release level of Enterprise Linux to maintain per server, adding bug fixes and security fixes as required. To do this, ULN enables customers to subscribe to a “base channel” for a specific release and an additional channel with only patches applicable to that release. This flexibility ensures that customers’ operating systems maintain certified status with respect to third-party hardware and software.

### Switching from Red Hat Network to ULN

There are a few simple steps necessary to switch a server installed with Red Hat Enterprise Linux AS version 4 from the Red Hat Network to ULN; [this document describes these steps](#).

For further, detailed information on how to obtain a login for ULN, how to register a machine with ULN, and more, consult the [Unbreakable Linux Network FAQ](#).

### Patch Management with Yum and ULN

Yum (Yellow dog Updater, Modified) is an automatic updater and package installer/remover for rpm systems. By automatically computing dependencies and determining what things should occur to install packages, Yum makes it easier to maintain groups of machines without having to manually update each one using rpm.

With ULN, customers have the option of setting up local Yum repositories based on channels offered by ULN. Users can [create local Yum repositories based on ULN](#) and configure up2date and yum to install and update packages from them.

### More Information

There are several ways to obtain more information and assistance with ULN:

- If you have purchased Basic or Premier support, you may use [OracleMetaLink](#) for technical assistance;
- If you have purchased Network support, you may discuss technical issues on the [OTN Linux forum](#) or file bug reports using [Bugzilla](#);
- For any other questions, please send an email to [uln-info\\_us@oracle.com](mailto:uln-info_us@oracle.com)

You can access the Unbreakable Linux Network (ULN) at [linux.oracle.com](http://linux.oracle.com)

For more information about the Oracle Unbreakable Linux support program, visit [oracle.com/linux](http://oracle.com/linux).

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