



# SOLARIS™ LIVE UPGRADE 2.0

## A CHANGE MANAGEMENT SOLUTION

### KEY HIGHLIGHTS

- Solaris Live Upgrade technology reduces the usual service outage typically associated with an operating system upgrade.
- Solaris Live Upgrade enables Solaris 8, 7, and 2.6 Operating Environment to continue to run normally while an administrator upgrades or performs normal maintenance on an inactive boot environment.
- Solaris Live Upgrade 2.0 integration with Web Start Flash technology enables system administrators to install a complete pre-tested, pre-configured system image rapidly on a new inactive boot environment while the production boot environment is fully operational.
- Solaris Live Upgrade supports fall-back to previous environment in case of failure with the upgraded environment. Administrators can reload their previous environments and with a simple reboot if necessary.

### THE SOLARIS™ OPERATING ENVIRONMENT

Today's explosive levels of growth — in terms of bandwidth, networks, and digital devices — have created the phenomenon known as the Net Effect. It's forcing organizations to rethink how they create, manage, extend, and ultimately deliver information technology (IT) services. Yet at the same time, it's creating massive opportunities for innovation in regards to service and functionality.

For more than 15 years, Sun has been telling the world that The Network Is The Computer™, and has led the way in helping our customers harness the transforming power of the Net Effect. As the foundation for Sun™ systems, the Solaris™ 8 Operating Environment enables your IT organization to deliver on the promise of massive scale, continuous real-time computing, and secure systems — while increasing service levels, reducing risk, and decreasing costs. With Solaris 8 software, you can efficiently manage resources and provide a higher level of service. It also helps reduce complexity by providing easy-to-use interfaces and comprehensive administration tools — all designed to help lower your IT risk. And by optimizing your resources and enabling them to scale to meet demand, the Solaris 8 Operating Environment helps you to minimize costs and lower your total cost of ownership.

### SOLARIS LIVE UPGRADE

#### Reduced System Downtime

Solaris Live Upgrade significantly reduces the downtime associated with an operating system upgrade or maintenance. It enables the Solaris 8, 7, and 2.6 Operating Environment to continue to run while an administrator upgrades to the latest release of the Operating Environment, applies patches or does routine maintenance on the inactive or duplicate boot environment. When satisfied with the process, the administrator simply reboots the system to run the latest or updated operating environment.



## Install Complete System Images

Solaris Live Upgrade 2.0 integration with Web Start Flash provides enterprise customers with a reliable and rapid migration solution. Using Solaris Live Upgrade, system administrators can rapidly flash a complete pre-tested, pre-configured system image on an inactive or duplicate boot environment, while the production boot environment is fully functional and unaffected by the installation of the Web Start Flash archive. When satisfied, the administrator can migrate to upgraded environment with a simple reboot.

## Manage Multiple Boot Environments

Solaris Live Upgrade technology provides powerful boot environment framework to create, manage, and maintain multiple boot environments on the same system. Solaris Live Upgrade supports advanced file system operations such as splitting, merging, or sharing file systems between boot environments. You can also migrate file systems from one storage device to another. Solaris Live Upgrade works with mirrors, RAID-5, and other disk layouts. Solaris Live Upgrade enables you to maintain multiple installations of software packages including the Solaris Operating Environment which will share user data file systems. System administrators can use the inactive boot environment as a backup and can switch to back up environment in case of disaster with a simple reboot.

## Manage Patch Updates

Solaris Live Upgrade can be used to manage patch updates. Patches can be applied to a duplicate boot environment and, after they have been verified, be rolled out to a production or active boot environment. This can substantially reduce the system downtime associated with managing server farms by enabling system administrators to

install a patch and synchronize the rollouts. In addition, it makes it easy to fall back to previous versions of the system with a simple reboot, thereby eliminating the service outages associated with the normal test and evaluation process required when introducing a new version of a patch of an operating environment.

## Fall Back Mechanism

Solaris Live Upgrade also supports software migration and fallback to previous active boot environment in case of failure with activation or reboot. You can analyze the failure. Solaris Live Upgrade even supports synchronizing the differences between the active and inactive boot environments. This feature helps to prevent any losses while the system is in the upgrade or fallback process.

## Ease of Use

Solaris Live Upgrade provides system administrators with both a Console User Interface (CUI) and a familiar Command Line Interface (CLI). With the CLI, the upgrade process can be automated across many systems with scripts.

Solaris Live Upgrade 2.0 is available for download at [www.sun.com/solaris/liveupgrade](http://www.sun.com/solaris/liveupgrade)

## REQUIREMENTS

Solaris 8, 7, or 2.6 Operating Environment on SPARC™ or Intel Architecture platforms

## FOR MORE INFORMATION

To learn more about Solaris Web Start Flash, Solaris Web Start, Solaris Web Start Wizards™, and Solaris JumpStart™ software and the Solaris Operating Environment, please visit our Web site at [www.sun.com/solaris](http://www.sun.com/solaris) or [www.sun.com/bigadmin](http://www.sun.com/bigadmin).

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