

## Solaris 10 Features

Feature	Benefit
<p>Predictive Self Healing delivers a breakthrough approach to service availability with automatic online error detection and auto recovery for all systems. Solaris 10 proactively removes failing components from the system before failure and automatically restarts failed applications and services.</p>	<p>Reduced Downtime - Minimizes the effect of system component failure and allows problems to be diagnosed automatically in milliseconds rather than manually in hours.                      Reduced complexity - Automatically manages failing system components and applications on any Solaris system.</p>
<p>N1 Grid Containers</p> <p>N1 Grid Containers deliver a breakthrough approach to system virtualization with support for over 8,000 software partitions per single instance of the OS.</p>	<p>Superior Resource Utilization - N1 Grid Containers dynamically adjust resources to meet business goals within and across the container.                      Increased Uptime - With N1 Grid Containers, applications are isolated from each other and from system faults, if required individual N1 Grid Containers can be restarted in just seconds.                      Reduced Costs - N1 Grid Containers simplifies and accelerates consolidation. It also significantly reduces system, admin and maintenance overhead.</p>
<p>DTrace</p> <p>DTrace is a comprehensive dynamic tracing framework for administrators, developers, and service personnel.</p>	<p>on live systems and eliminates the need to recreate problems or induce failures to resolve an issue.                      Improves Performance - When DTrace is used to analyze performance, many optimized applications will run 3-30x faster.                      Reduces Costs - Root causes of intermittent problems can be diagnosed in minutes or hours, not weeks.</p>
<p>Solaris ZFS</p> <p>Solaris ZFS is an all-new approach to the problems introduced in the traditional file system/volume manager model implemented on competing operating systems.</p>	<p>Reduced Management Overhead - Up to 80% reduction in system administration tasks. Time to complete common tasks can be reduced from 40 minutes to under 10 seconds.                      Provable Data Integrity - 99.9999999999999999% (19-9's!) probability of detecting corrupt data.                      Massive capacity - ZFS has 16 Billion Billion times larger than existing file systems.</p>
<p>Cryptographic Infrastructure</p> <p>Provides cryptographic services to users and applications.</p>	<p>Increased application security - developers have access to extensible system cryptographic services via well-defined APIs.                      Administrative flexibility - system administrators can plug in different cryptographic algorithm implementations and add hardware acceleration, transparently to applications and end users.</p>
<p>Secure by Default</p> <p>Solaris out-of-the-box installation designed with security in mind.</p>	<p>Increased system security - reduces and simplifies administrative tasks necessary to bring systems up on the Internet or company intranet.</p>
<p>Process Rights Management</p> <p>Fine-grained security access control supplanting the "all or nothing" traditional UNIX root model.</p>	<p>Increased system security - privileges assigned to users and tasks are restricted to only those necessary, reducing exposure to security exploits.                      Simplified application development - responsibility for limiting service security moved from individual applications to system level.                      Investment protection - existing applications continue to work without mandatory changes.                      Multi-level security - works in conjunction with N1 Grid Containers to provide highest protection.</p>

<p>IP Filter</p> <p>Provides network address translation and firewall services.</p>	<p>Increased system security - controls network access at the system level.</p> <p>Simplified administration - integrated, tested and supported as part of the Solaris OS.</p>
<p>Single Source OS</p> <p>Solaris 10 is a single source OS, optimized to run multiple applications on multiple platforms.</p>	<p>Investment Protection - Sun is the only vendor to offer an OS Application Guarantee, your existing Solaris applications are guaranteed to run on Solaris 10.</p> <p>One Solaris for all platforms - Source code compatibility between any supported platforms; SPARC, AMD64 and x86.</p> <p>Linux Compatibility - Linux applications can run unmodified on Solaris.</p>