

# Platform License Scheduler 8

License Sharing and Utilization. Optimized.



## Key Benefits

- Significantly improve license utilization
- Designed for extensibility
- Improve service levels
- Increase user productivity
- Get maximum return on license investments

## Key Features

- Configurable, policy-based license allocation
- Centralize license monitoring and control
- Dynamically rebalance license allocations
- Job pre-emption based on license ownership or job priority

## Overview

By allocating a virtualized pool of licenses based on an organization's own distribution policies, Platform License Scheduler enables license sharing between global project teams. It ensures that license availability is prioritized by workload, user and project, and that licenses are optimally utilized.

Unlike other license management solutions that simply throttle jobs based on license availability, Platform License Scheduler manages license allocation based on flexible policies. An intuitive web-based console enables license usage to be monitored in real time. Whether the application software environment is simple or complex, Platform License Scheduler helps organizations optimize their use of enterprise software licenses, improving productivity and containing cost.

## Allocate license features fairly according to policy

While other license management solutions can meter and report on license use, Platform License Scheduler uniquely allocates licenses on a per-feature basis according to user, group, project or cluster sharing policies. This means that, rather than allocating licenses based on a "first-come, first-serve" approach or based on Platform LSF policies, organizations can apportion licenses based on business need. Platform License Scheduler provides another dimension of scheduling, ensuring that licenses are always available for critical needs while enabling sharing so that valuable licenses do not sit idle.

## Smarter, more cost effective reporting and tracking

When used in conjunction with Platform Analytics, Platform License Scheduler can help provide a complete understanding of license usage. Platform's reporting and analytic tools can correlate license information with job level metrics and take into account details like resources, projects, pending time and whether jobs succeeded or failed. By analyzing license use in the context user and project team job ownership, administrators gain important visibility to important issues they would otherwise miss, enabling them to remove bottlenecks and plan capacity more effectively.

## Product Capabilities

### Configurable Sharing Policies

Platform License Scheduler works with Platform LSF to share licenses according to policy. This means that the powerful sharing features in Platform LSF can be applied to software licenses as well as resources such as CPUs and memory. In multi-site environments, global “WAN-able” licenses can also be shared and distributed between clusters according to policy, ensuring optimal license utilization.

### Integration with Platform LSF Policies

To more reliably support a broader number of license sharing scenarios, Platform License Scheduler 8 incorporates a new mode of operation called “Cluster Mode.” In cluster mode, licenses are initially allocated to clusters. License allocations are then made between projects at the Platform LSF level, with each cluster distributing their share of allocated license features according to local policies.

### License-Based Job Pre-Emption

Platform License Scheduler provides the option for administrators to enforce license allocation through policy-based job pre-emption. During periods of high demand license owners are guaranteed immediate access to owned licenses even if this means selectively pre-empting

jobs submitted by other users or departments. Because license availability can be guaranteed to license owners, a major barrier to sharing is removed, opening the door to departments pooling their license investments more effectively. When licenses are shared, not only do users perceive a larger pool of licenses, but costs can also be better managed by eliminating unnecessary duplication.

### License Monitoring Interface

Platform License Scheduler includes an advanced web-based monitoring interface that allows both administrators and users to see available license features as well as those in use. Through this interface, administrators can monitor how features are being allocated and whether planned allocation is consistent with actual license use.

### Support for Both Local and WAN-Based Licenses

Platform License Scheduler is configurable, making it possible to respect geography-specific licensing restrictions that vary by software vendor. In some cases licenses may be restricted to a particular site while another license server might serve the same software feature enterprise wide. Platform License Scheduler respects these license restrictions and ensures that licenses are allocated optimally while ensuring compliance with licensing terms.

## Platform License Scheduler 8 Supported Environments

Operating System Support	<ul style="list-style-type: none"><li>• Linux® on x64 architectures including RHEL 4, 5.x, 6, SUSE Linux Enterprise Server including SLES 9, 10, 11 and generic Linux distributions using 2.6 or greater kernels with glibc 2.3 (Debian, CentOS, Ubuntu, Scientific Linux and others).</li><li>• IBM AIX 6 &amp; 7 on IBM hardware</li><li>• Sun/Oracle Solaris 9/10 on SPARC 64 bit</li></ul>
Platform LSF compatibility	<ul style="list-style-type: none"><li>• Platform LSF 8.x</li></ul>

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