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## Highlights

- Flexible, policy-driven license allocation
  - Smart, cost-effective reporting and tracking
  - Local and global license sharing
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# IBM Spectrum LSF License Scheduler

*Optimize license sharing and use*

By allocating a virtualized pool of licenses based on an organization's own distribution policies, IBM® Spectrum LSF License Scheduler enables license sharing between local or global project teams. It ensures license availability is prioritized by workload, user and project, and that licenses are optimally used. Instead of simply throttling jobs based on license availability, IBM Spectrum LSF License Scheduler manages license allocation based on flexible policies. Both IBM Spectrum LSF Application Center and IBM Spectrum LSF RTM allow monitoring of application license consumption in real time. Whether the application software environment is simple or complex, IBM Spectrum LSF License Scheduler helps organizations optimize their use of enterprise software licenses, improving productivity and containing costs.

## Allocate license features by policy

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



### Smarter reporting and tracking

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

### Powerful license management tools

Advanced license management tools help simplify licensing, ensuring license availability is prioritized by workload, user and project, and that licenses are optimally used

**Configurable sharing policies:** Sharing licenses according to policy means the powerful sharing features in IBM Spectrum LSF can be applied to software licenses as well as resources such as CPUs and memory. In multi-site environments, global WAN licenses can also be shared and distributed between clusters according to policy.

**Integration with IBM Spectrum LSF policies:** To support license sharing scenarios reliably, IBM Spectrum LSF License Scheduler incorporates a mode of operation called *cluster mode*. In cluster mode, licenses are initially allocated to clusters, and then between projects, with each cluster distributing its share of allocated license features according to local policies.

**License-based job preemption:** Provides the option for administrators to enforce license allocation through policy-based job preemption. During periods of high demand,

license owners are guaranteed immediate access to owned licenses even if this means selectively preempting jobs submitted by other users. Because license availability can be guaranteed to license owners, a major barrier to sharing is removed, and departments can pool their license investments more effectively.

**License monitoring interface:** Includes an advanced web-based monitoring interface that allows both administrators and users to see available license features as well as those in use. Administrators can monitor how features are being allocated and determine whether planned allocation is consistent with license use.

**Support for both local and WAN-based licenses:** Makes it possible to respect geography-specific licensing restrictions that vary by software vendor. Licenses are allocated optimally while complying with licensing terms.

**Flexible license manager support:** Includes support for Flexera Software FlexNet and Reprise License Manager (RLM) license managers.

### Why IBM?

IBM Spectrum Computing offers a comprehensive portfolio of software defined infrastructure solutions designed to help your organization deliver IT services in the most efficient way possible, optimizing resource utilization to speed time to results and reduce costs. These offerings help maximize the potential of your infrastructure to accelerate your analytics, high-performance computing (HPC), Hadoop, Apache Spark and cloud-native applications at any scale. The core value of the portfolio is simplifying simulations and analysis to help you uncover insights into your business or science and get higher-quality products to market faster.



## For more information

To learn more about the IBM Spectrum LSF License Scheduler, contact your IBM representative or IBM Business Partner, or visit:

[ibm.com/systems/spectrum-computing/products/lsf/resources.html](http://ibm.com/systems/spectrum-computing/products/lsf/resources.html)



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