



Guide to Licensed Options

Sybase IQ 15.4

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Sybase, Inc., One Sybase Drive, Dublin, CA 94568.

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About Sybase IQ

Sybase® IQ is a high-performance decision-support server designed specifically for data warehousing.

Sybase IQ is part of the Sybase product family that includes Adaptive Server Enterprise and SQL Anywhere. Component Integration Services within Sybase IQ provide direct access to relational and nonrelational databases on mainframe, UNIX, or Windows servers.

Product Editions

Sybase IQ is available in several product editions.

Edition	Description
Enterprise Edition	Supports all options and features. Optional features require additional licenses that are purchased separately.
Small Business Edition	Supports most of the functionality available in the Enterprise Edition, but does not support multiplex or any optional features.
Single Application Server	Provides the same functionality as the Small Business Edition, but is restricted to use in a one- or two-machine environment.
Evaluation Edition	Supports all options and features available in the Enterprise Edition for a 30-day evaluation period.
Express Edition	Supports all options and features available in the Evaluation Edition. Unlike the Evaluation Edition, the Express Edition does not expire, but does restrict the size of all IQ main dbspaces, permit other incremental license options, and cannot be deployed in a production environment.

Licensing

All product editions except the Evaluation Edition require a license. Optional features are sold and licensed separately.

Whether you install a licensed version of Sybase IQ or the Evaluation Edition, you have 30-day access to all features and options. To convert the Evaluation Edition, or to use an option beyond the 30-day evaluation period, you must purchase and install an appropriate Sybase Software Asset Management (SySAM) license.

About Sybase IQ

The e-mail message or Web key you receive when you purchase a Sybase product provides specific product and licensing information. Before installing and configuring any product edition, know which features you are licensed to use.

Optional Features

Sybase IQ provides significantly faster query performance than traditional database environments. Additional product options extend the power of Sybase IQ to meet specific performance, scalability, security, availability, and manageability requirements.

Unstructured Data Analytics

The Unstructured Data Analytics option (IQ_UDA) supports binary large object (BLOB) and character large object (CLOB) storage and retrieval.

Unstructured Data Analytics lets you store, retrieve, and analyze unstructured data as part of the same repository as transactional or analytical data. Unstructured data can include images, maps, documents (PostScript files, word processing files, presentations, and so on), Web content, audio, video, and XML files.

Full-text search capabilities let you:

- Use the same applications and interface to access all structured and unstructured data
- Leverage full enterprise-class DBMS support for all unstructured data types
- Search for words and phrases within text data
- Perform Boolean and proximity searches
- Score results from text queries based on relevance

See *Sybase IQ Advanced Data Analytics* on the *Sybase Web site*.

Advanced Security

The Advanced Security Option (IQ_SECURITY) protects your environment against unauthorized access.

Advanced Security provides the highest levels of security for Sybase IQ environments, including:

- FIPS Transport Layer Security protects your data by securing client-server communications.
- IPv6 support provides additional security while adding flexibility.
- Kerberos authentication enables secure single login.
- Column-level encryption adds flexibility and precision to database security.

See *Sybase IQ Advanced Security Option* on the *Sybase Web site*.

Multiplex Grid

The Multiplex Grid Option lets you add nodes to a multiplex environment, enabling a highly scalable shared disk grid technology that allows.

The Multiplex Grid Option lets you incrementally scale concurrent query jobs, load jobs, or both. With Sybase IQ multiplex, you can start with one server and add CPUs and memory as needed. You can add servers and CPUs with little or no loss in scalability, plus you can add terabytes of disk to the storage area network (SAN), independent of adding server hardware, with no significant performance degradation. Sybase IQ multiplex supports multiple users per CPU.

The Multiplex Grid Option provides:

- Highly scalable grid architecture in all dimensions: storage, CPUs, and number of users.
- Quick and easy scaling of jobs via flexibly assigned read and write nodes.
- High availability features migrate failed jobs to other nodes.

See *Sybase IQ Multiplex Grid Option* on the *Sybase Web site*.

Very Large Database Management

The Very Large Database Management Option (IQ_VLDBMGMT) lets you logically partition very large data sets into smaller subsets.

Very Large Database Management (VLDB) enhances the manageability of very large data sets, to partition data logically in a range of values, and to partition data in logical groups of objects called table spaces. Range partitioning lets you work at a higher level of granularity with the data in your analytics environment by defining manageable subsets that are relevant for a particular set of queries. Table spaces also lets you define more manageable sets of data, and to treat them as separate databases when ease of administration or other factors require some data be isolated.

The VLDB option provides:

- Range partitioning for greater precision and granularity of data
- Shortened backup and restore cycles
- Logical partitioning for enhanced manageability
- Simplified configured and managed Information Lifecycle Management

See *Sybase IQ Very Large Database Management Option* on the *Sybase Web site*.

In-Database Analytics—Partner Solution Options

These options extend the capabilities of Sybase IQ with plug-in certified partner solution libraries in the Sybase IQ analytics server.

Plug-in partner solution libraries let you run complex analytical functions inside Sybase IQ, yielding high performance with the flexibility of use and deployment. See the *Product Specific License Terms* (PSLT) or contact your Sybase sales representative.

InDatabase Analytics Option

The InDatabase Analytics Option is a new license type that enables customers to build, deploy and run their own C/C++ User-Defined Functions (UDF). Unlike previous releases, this option is available to all Sybase IQ customers and no longer requires Sybase certification.

The InDatabase Analytics Option includes a new IQ_IDA license that will function as both the InDatabase Analytics Option and Partner Solutions license. Although customers can purchase the InDatabase Analytics Options to enable V4 UDF support, this license restricts runtime execution on MultiPlex reader nodes.

Sybase will continue to support the current Partner Solutions IQ_UDF license, which is required for existing V3 C/C++ libraries. There will be no change in server runtime behavior for this license. Partners can obtain a copy of the new InDatabase Analytics Option and the library authentication method from Sybase without cost.

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