

# MS-SQL Server Licensing Guide

## Introduction

For use with the PowerFlow product, SQL Server 2000 Standard Edition is the perfect database server version. It offers the excellent scalability, robust features, and economical pricing required by most small to mid-sized businesses. This table summarizes the various features of SQL Server 2000 Standard.

Feature	Comments
Overview	<p>SQL Server 2000 Standard edition is an affordable option for small and medium-sized organizations. It includes the core functionality needed for non-mission-critical e-commerce, data warehousing, and line-of-business solutions. For instance, all of the XML features present in Enterprise Edition are also included in Standard Edition. And, while a handful of advanced OLAP features are reserved for Enterprise Edition, all data-mining features and the core OLAP functionality are included in SQL Server 2000 Analysis Services in Standard Edition.</p> <p>Similarly, components that other database vendors charge for as separate add-on products for their highest-end editions are included in Standard Edition:</p> <ul style="list-style-type: none"> <li>• Data Transformation Services (DTS)</li> <li>• Replication (snapshot, transactional, and merge)</li> <li>• Full-Text Search</li> <li>• English Query</li> <li>• Stored procedure development and debugging tools</li> <li>• SQL Profiling and performance analysis tools</li> </ul>
Supported Operating Systems	<ul style="list-style-type: none"> <li>• Windows Server 2003, Standard Edition*</li> <li>• Windows Server 2003, Enterprise Edition*</li> <li>• Windows Server 2003, Datacenter Edition*</li> <li>• Windows 2000 Server</li> <li>• Windows 2000 Advanced Server</li> <li>• Windows 2000 Datacenter Server</li> <li>• Windows NT Server 4.0</li> <li>• Windows NT Server 4.0 Enterprise Edition</li> </ul>
Scalability	<ul style="list-style-type: none"> <li>• Up to 4 Processors</li> <li>• Up to 2Gb of Memory</li> <li>• Maximum Database Size: 1,048,516 TB</li> </ul>
Pricing	<ul style="list-style-type: none"> <li>• Check for current pricing at <a href="http://www.Go2PCPort.com">www.Go2PCPort.com</a> (approximately \$800)</li> <li>• Check for current pricing at <a href="http://www.CDW.com">www.CDW.com</a> (approximately \$1,400)</li> </ul>

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## Licensing Considerations

Licensing for SQL Server 2000 is divided into three main categories:

1. *User Client Access Licenses ("CALs")*

User Client Access Licenses are defined as licenses assigned to a specific user. This user can then attach using any device, such as a laptop, work PC, and home PC. Note that defining a single user account in SQL Server and then allowing all users access to a database via this single account does not constitute a single client access license—rather, CALs used in this way are assigned to each individual who would be accessing the database.

2. *Device Client Access Licenses ("CALs")*

Device Client Access Licenses are defined as licenses which allow access from individual devices to the database server. For example, if ten users were using a software program which was only installed on three workstations, then only three device CALs would be required.

3. *Processor Licenses*

Processor licenses are assigned at the server level itself and allow unlimited use of a database server per processor within the server itself. If a server had two processors, therefore, two processor licenses would be required for purchase if this licensing route were chosen.

Pricing for User CALs are the same regardless of designation as User or Device. Processor licenses are extremely pricey and are not recommended for use with the PowerFlow program.

Some general guidelines for licensing are:

- **Externally focused server applications:** Processor licensing is the obvious choice for externally focused server applications, such as Internet and extranet scenarios. Typically, counting devices or users in these scenarios ranges from difficult to impossible, so hardware-based pricing is more straightforward.
- **For mixed-use servers:** For mixed-use servers that will be accessed from both inside and outside the organization's firewall, Processor licensing is generally favorable. Because the Processor licenses are probably needed for external users, there would be no need to purchase access separately for internal users through CALs.
- **For environments inside the firewall:** For environments inside the firewall where client-to-server processor ratios are low, the Server plus Device CAL licensing model will likely be the more cost-effective choice if there are multiple devices per user, while the Server plus User CAL licensing model will likely be more cost-effective if there are multiple users per device (for example, in a call center). For environments inside the firewall where client-to-server processor ratios are high, the Processor licensing model will likely be more cost-effective.

Both the per-processor licensing model and the Server/CAL licensing model provide SQL Server 2000 software and the right to access that software, so it can be difficult to determine which licensing model to follow.

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You should obtain Processor licenses if you have more users or devices than shown in the following table:

# of Processors	Comments
1	24 users or devices
2	53 users or devices
4	112 users or devices

Another option for obtaining appropriate licensing from Microsoft for SQL Server 2000, along with many other Microsoft products, is usage of the Microsoft Open Licensing program (also referred to as Microsoft Licensing 6.0). This is a subscription-based service that allows an organization to pay a monthly subscription fee for the use of the products which it supplies. Pricing is based on the products purchased through the program.

For more details, please contact a reseller such as CDW, as this program has many flavors—some of which may benefit some organizations more than others.

A listing of the various MS-SQL Server licensing models available is summarized in this Open License Program Comparison table.

Feature	Open Value	Open Volume	Open Business
Customer Profile	Organizations with as few as five desktops that want the advantages of SA and the ability to spread payments annually.	Compelling value proposition for customers based on a volume commitment.	Organizations needing five or more licenses.
Entry Minimum	Minimum of five Licenses and Software Assurance (L&SA).	500-point minimum within a specific product pool on initial order. Pools include applications, systems, and servers. Each license carries a point value.	Minimum initial order of five licenses.
Software License Offerings	L&SA SA renewal	License SA SA renewal	
Additional Savings	Yes, for Company-wide Option.	No.	
Payment Options	Payments spread annually or up front.	Payment due in full upon order.	
Term	Three years.	Two years.	
How to Buy	Contact CDW directly.		

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Feature	Open Value	Open Volume	Open Business
Product Media	Microsoft provides media, such as CDs, for the initial product order. Additional media can be ordered for a charge.	May order media at time of initial order or acquire media separately for a charge.	
Order Tracking	Microsoft assigns an agreement number and posts order confirmations on the MVLS Web site (*in most countries).	Microsoft assigns an authorization number and posts order confirmations on the eOpen Web site (where available) or sends an authorization number and physical order confirmations directly to the customer where eOpen is not available.	

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