

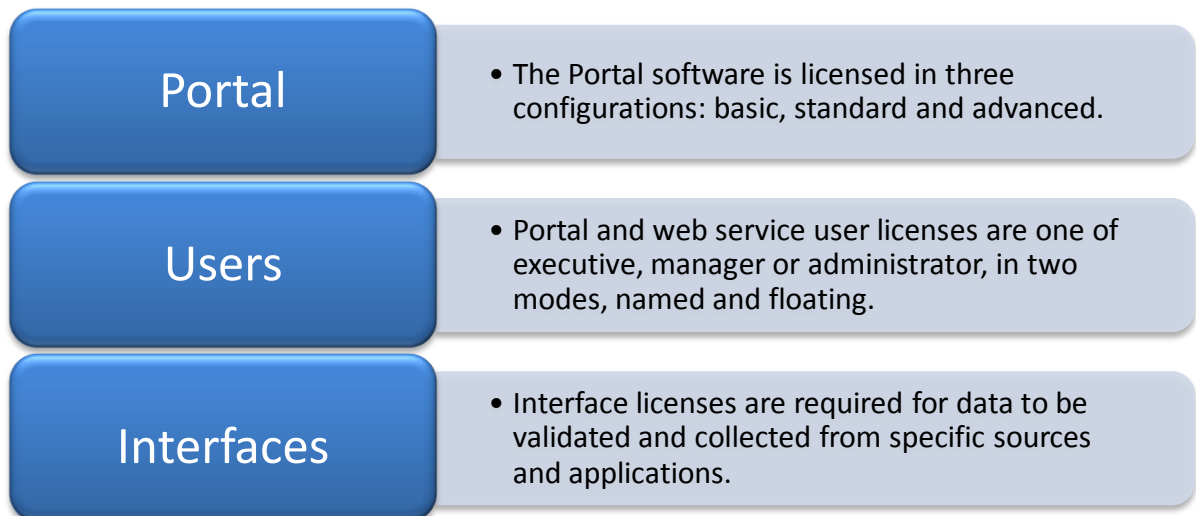
# DataDrill Offers Unprecedented Scalability for Supporting All of Your Organization's Information Needs ... Even Though Your Team is Distributed, Critical Information Is Not.

## Introduction

This document provides guidance for purchasing, planning and deploying DataDrill EXPRESS. It provides a description of the three licensable DataDrill components, Portal, user and interface licenses. In addition, this document provides recommended/minimum computer configurations for running DataDrill.

For more information on DataDrill, please see the Distributive web for product, technical details, service and training details. See the contact information on the last page of this document.

## Licensed Components



Distributive licenses are perpetual with 20% maintenance after the first year. Annual lease options are available.

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### Portal License Options

Portal features are offered in three configurations: basic, standard and advanced. Purchase the features you need now, and upgrade later as business needs change.

Portal Feature	Basic	Standard	Advanced
Portal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Web Services	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Collector	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Desktop Collection Interfaces	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Best Practice Library	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reporting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Estimation and Planning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Forms		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Exchanger		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Organizational Measurement		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Command Line Utility			<input checked="" type="checkbox"/>
Synchronization			<input checked="" type="checkbox"/>
Floating Licensing			<input checked="" type="checkbox"/>
LDAP and Single Sign On			<input checked="" type="checkbox"/>

The Portal and Web Services software is licensed to a single server machine name with a fixed root or sub-web name.

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## User License Options

User licenses are required for each Portal and Web Service user. User licenses can be either named, which are assigned to one user, or floating which are dynamically assigned as needed. License assignment is described in the following.

License Assignment	Description
Named User	A Named user license is associated with one DataDrill login (Windows, LDAP, Microsoft Passport or basic authentication). The named user can login from any computer.
Floating User	A Floating user license is assigned to a user when they access the DataDrill Portal. One floating license is assigned up to the number purchased. Floating licenses are released on user logout, or after a configurable number of minutes with no activity.

In addition to the method of assigning licenses, DataDrill provides a user license type which limits the features that the user may perform. The available types of licenses are shown below.

User Type	Description
Executive	Read-only access to the library and status functions. Cannot access Collection or Administration functions.
Manager	Role-based access to the Status, Library and Collection functions. Can control individual projects. Cannot access administration functions.
Administrator	Full access to all features: Status, Library, Collection and Administration functions.

The executive license is the cheapest, while the administrator license is the most expensive. Generally, there are a combination of manager and executives, along with a few administrator licenses.

Distributive offers combinations of licenses for large deployments. Contact sales with questions.

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## Interface License Options

Interfaces enable the Collector to validate, scan and collect data from external files, databases and applications.

Interface	Description
Desktop Files	Microsoft Access, Microsoft Excel, Comma/Tab/Semi-Colon Separated Files, XML files
SQL Database	Microsoft SQL Server Oracle Server ODBC Database Connections
Rational DOORS	
Rational Change	
Rational Synergy	
Rational ClearQuest	
Microsoft Project	Includes Project Server 2003 and 2007, as well as Office Project (desktop)
Serena Business Mashup	Interface to TeamTrack.
Smart Bear Code Collaborator	
HP Quality Center	

Distributive offers services to develop interfaces to an application or data source not listed above. Please contact Distributive for more information.

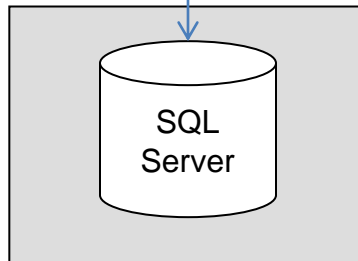
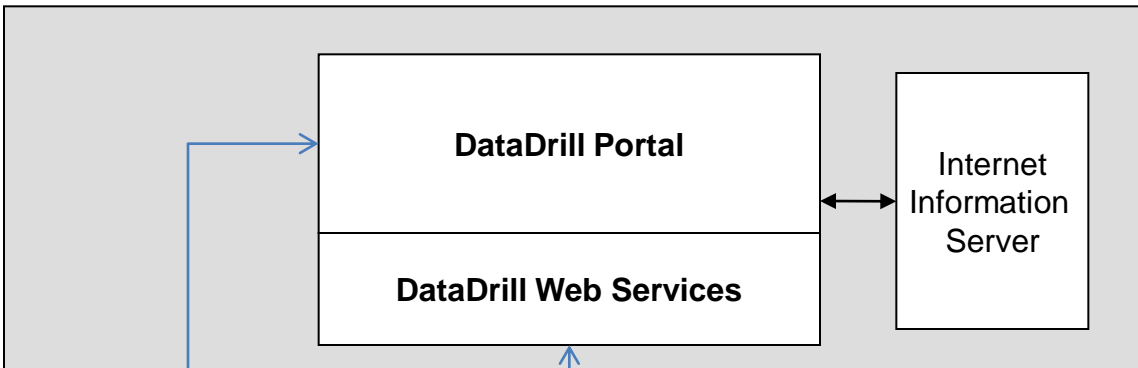
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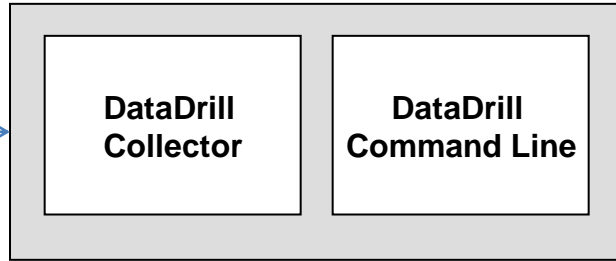
## Typical Configuration

This configuration describes hosting Portal and Web Services on one server, and the SQL database on another. This configuration can support medium to large scale engineering teams, as well as a single organizational department.

### Portal Server



**Database Server**



**Windows Desktop**

The Portal is hosted on a Windows 2003 or 2008 Server. The Microsoft SQL Server is hosted on a separate server. The Windows Desktop is a reasonably-powered desktop running Windows Vista or Windows 7.

This configuration could support between 200 - 350 engineers and managers accessing DataDrill on an occasional (every other day) basis. Snapshot files would be uploaded to the DataDrill Collector on a weekly basis. The total number of information needs would be between 500 – 2,000.

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To access the DataDrill Portal, a user needs a computer with a web browser such as Internet Explorer, Opera, Fire Fox or Safari. The information below is for computers which host and run the DataDrill software.

### Minimum Hardware Configurations

#### ***For Server Components (i.e. Portal and Web Services)***

Recommended hardware configuration for a system running up to 50 EXPRESS Portal concurrent users:

- Intel Dual Processor or AMD/Intel 64 Bit Processor
- 4 GB of RAM
- 1 GB of free disk space

After the initial 50 users, add 1 GB of RAM for each additional 25 concurrent users. For example, 100 concurrent users, require 6GB of RAM.

#### ***For Windows Components (i.e. Collector and Command Line)***

Recommended hardware configuration for a system running up to 50 EXPRESS Portal concurrent users:

- Intel or AMD Dual Core or Core I 2GHz or faster
- 2 GB of RAM
- 200 MB of free disk space

### Required Software and Operating System Components

DataDrill requires on one of the following operating systems:

- Windows XP Professional , Windows Vista or Windows 7
- Windows 2003 or 2008 Server or Advanced Server

DataDrill Server Components require the following system and software components:

- Microsoft .NET Component Framework 3.5
- Internet Information Server (IIS) version 6, 7 or 8

The DataDrill Portal requires a Microsoft SQL Server 2005 or 2008 database for storing portal and user information, one of:

- Microsoft SQL 2008 Desktop Engine (MSDE)
- Microsoft SQL Server 2005 or 2008 Standard/Professional edition
- Microsoft SQL 2005 or 2008 Enterprise edition.

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### SQL and Disk Planning Estimates

Complete the following tables for an estimate of the disk space required on your SQL server to accommodate DataDrill.

#### *Disk Space Estimate for Portal SQL Database*

Number of users (U)

Average number of measures (M)

Collections per month (C)

Size of data point (S) 8 bytes

Amount of data per month (D) =  $U * M * C * S$

Total two years of data (T) =  $D * 24$  Minimum size of logical database partition

#### *Disk Space Estimate for Data Mart SQL Database*

Number of data sources (S)

Average file size (F)

Collections per month (C) 1 for monthly, 4 for weekly, etc...

Amount of data per month (D) =  $S * F * C$

Total six months of data (T) =  $D * 6$  Minimum size of logical database partition

#### **Notes:**

The estimate are typically high-end estimates, with most deployments “actual values” range from 50% to 75% of the sizing numbers above. More exact calculations are possible by using measured values from an operational DataDrill SQL database.

Adjust the number of months to plan for a longer or shorter period of time.

You should consult a Microsoft SQL planning document for guidelines in establishing disk and memory resources for your SQL server.

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## Contact

Additional information on DataDrill products, service, training and support is available on the Distributive web site, or by contacting the following:

**Distributive Management**

107 Olde Greenwich Drive, Suite 101

Fredericksburg, Virginia 22408

540-891-8811

<http://www.distributive.com>

[info@distributive.com](mailto:info@distributive.com)