

Omega.MSSQL®

Installation and Setup Guide

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Welcome!

Thank you for downloading Omega.MSSQL®. Omega.MSSQL® lets a user connect to SQL Server databases using Internet Explorer browser. This guide will help you install and configure the software so that your users can explore the SQL Server databases.

This guide is intended for software developers, webmasters and network administrators. It is expected that the readers of this guide are familiar with servers, web servers, websites and virtual directories and have experience with setting and configuring websites on Microsoft Internet Information Server (IIS).

System Requirements

To run Omega.MSSQL® you will need the following:

- A server where you can run Internet Information Server (IIS) like Microsoft Windows 2000/2003 Server, Windows XP SP2 Professional, Windows Vista Business and Ultimate Edition.
- Microsoft Internet Information Server (IIS) version 5/6/7. Information about IIS can be found at Microsoft's website by visiting the following link:
<http://technet2.microsoft.com/windowsserver/en/technologies/featured/iis/default.aspx>.
- Microsoft .Net Framework 2.0. Information about .net frameworks can be found at Microsoft's website by visiting the following link:
<http://www.microsoft.com/net/>.
- Microsoft Internet Explorer version 6 and above (clients of Omega will need this). Information about Internet Explorer can be found at Microsoft's website by visiting the following link:
<http://www.microsoft.com/windows/products/winfamily/ie/default.aspx>

Please make sure that you have all the necessary components ready before installing this software. Please refer to Microsoft's website (www.microsoft.com) for more details about the required components.

Setting up the Software

Setting up Omega.MSSQL® is very easy. All you need to do is unzip the zip file you have downloaded from Omega website (<http://omega.cerebrata.com>) in a windows directory of your choice and set up a website or virtual directory pointing to that directory. Please refer to IIS help for setting up a website or virtual directory.

Special considerations:

- Make sure that IIS is configured to use .Net Framework 2.0 as the default .Net Framework. ASP.Net version configuration can be done by visiting the **ASP.NET** tab on the website/virtual directory properties window.
- Make sure that the user account under which the application runs has complete access to the directory where the application is installed. Omega.MSSQL® creates some directories and files at run time to store reports. More information about ASP.NET security can be found by visiting the following link:
<http://support.microsoft.com/kb/306590/>

- If this application is served by Windows IIS 7 web server, please make sure that you make appropriate changes in the "web.config" file in the application to take advantage of the Integrated Mode in IIS 7. "web.config" file available with the application is for Windows IIS Server 6 and below. There are two additional files you will find with the installation:
 - Web.config.iis7 – If you are using IIS 7, then delete the existing web.config file and rename this file as web.config.
 - Web.config.iis6andbelow - If you are using IIS 6 or below, then either you can use the existing web.config file or delete the existing web.config file and rename this file as web.config.

Make sure that default.aspx is the default page for the website or virtual directory. Default page setup can be done by visiting the **Documents** tab on the website/virtual directory properties window.

Configuring Internet Information Server (IIS)

Please refer to IIS help in configuring IIS. More information can be found by visiting the following link:

<http://technet2.microsoft.com/windowsserver/en/technologies/featured/iis/default.mspx>.

Deployment

Omega.MSSQL® can be deployed on a single server or multiple servers placed behind a network load balancer device. Depending upon the scalability and availability requirements, please choose an appropriate deployment scenario. For high availability, it is recommended that you host Omega.MSSQL® application on at least two web servers.

Please refer to your standard operating procedures for deploying web applications while deploying Omega.MSSQL® in your infrastructure.

Installing the License File

Before you can use Omega.MSSQL®, you need to get a license file. If you have not done that already, please request a license file from Omega website (<http://omega.cerebrata.com>). The license file contain information about the SQL Server you want to connect using Omega.MSSQL®, license expiration date, kind of license you are procuring (trial or production), etc.

Once you have procured the license file, please copy the file under "Lic" folder of the application directory. If this directory does not exist, please create it manually and copy the file in that directory.

For example, if you have installed the software under "C:\Inetpub\wwwroot\Omega.MSSQL" directory, please copy the license file under license folder located at "C:\Inetpub\wwwroot\Omega.MSSQL\lic".

YOU WILL NOT BE ABLE TO USE THIS SOFTWARE WITHOUT INSTALLING A VALID LICENSE FILE.

Configuring Omega.MSSQL®

Omega.MSSQL® lets you configure how you want your users to use Omega.MSSQL®. Currently these settings are applied application wide and not specific to a particular user. Configuration settings are stored in an xml file called "settings.config" under the main application installation folder. There is no user interface to manage the configuration settings.

To change the settings, open up "settings.config" file in any text editor (like notepad) and make appropriate changes. It is recommended that you take a backup of existing "settings.config" file before making any changes. Please follow the instructions below to make any changes as making any incorrect changes could make the software unusable.

Here is what a typical "settings.config" file looks like:

```
<?xml version="1.0"?>
<appSettings>
  <!-- General Settings -->
  <add key="Guid" value="ae0dbdbc700040d29538900d752d03a9"/>
  <add key="Version" value="2008.09.000.00"/>
  <add key="CopyRight" value="Cerebrata 2007 - 2009"/>
  <add key="Contact" value="omega.support@Cerebrata.com"/>
  <add key="LicenseDownloadURL" value="http://omega.cerebrata.com"/>
  <!-- Database Selection Settings -->
  <add key="ShowSystemDatabases" value="N"/>
  <!-- Database Documentation Settings -->
  <add key="IncludeDocumentationOption" value="N"/>
  <!-- License Information Settings -->
  <add key="ShowLicenseInformation" value="Y"/>
  <!-- Database Search Settings -->
  <add key="IncludeDatabaseSearchOption" value="Y"/>
  <add key="MinimumSearchStringLength" value="2"/>
  <!-- SQL Builder Settings -->
  <add key="IncludeSQLBuilderOption" value="Y"/>
  <add key="SQLBuilderIncludeUpdateOption" value="Y"/>
  <add key="SQLBuilderIncludeDeleteOption" value="Y"/>
  <add key="SQLBuilderIncludeCreateOption" value="Y"/>
  <add key="SQLBuilderIncludeAlterOption" value="Y"/>
  <add key="SQLBuilderIncludeDropOption" value="Y"/>
  <add key="SQLBuilderIncludeExecOption" value="N"/>
  <!-- Table Designer Settings -->
  <add key="IncludeTableDesignerCreateOption" value="Y"/>
  <add key="IncludeTableDesignerAlterOption" value="Y"/>
  <add key="IncludeTableDropOption" value="Y"/>
  <!-- View Designer Settings -->
  <add key="IncludeViewDesignerCreateOption" value="Y"/>
  <add key="IncludeViewDesignerAlterOption" value="Y"/>
  <add key="IncludeViewDropOption" value="Y"/>
  <!-- Stored Procedure Designer Settings -->
  <add key="IncludeStoredProcedureDesignerCreateOption" value="Y"/>
  <add key="IncludeStoredProcedureDesignerAlterOption" value="Y"/>
  <add key="IncludeStoredProcedureDropOption" value="Y"/>
  <!-- User Designer Settings -->
  <add key="IncludeUserDesignerCreateOption" value="Y"/>
  <add key="IncludeUserDesignerAlterOption" value="Y"/>
  <add key="IncludeUserDropOption" value="Y"/>
  <!-- Role Designer Settings -->
  <add key="IncludeRoleDesignerCreateOption" value="Y"/>
  <add key="IncludeRoleDesignerAlterOption" value="Y"/>
```



```

<add key="IncludeRoleDropOption" value="Y"/>
<!-- Rule Designer Settings -->
<add key="IncludeRuleDesignerCreateOption" value="Y"/>
<add key="IncludeRuleDesignerAlterOption" value="Y"/>
<add key="IncludeRuleDropOption" value="Y"/>
<!-- Default Designer Settings -->
<add key="IncludeDefaultDesignerCreateOption" value="Y"/>
<add key="IncludeDefaultDesignerAlterOption" value="Y"/>
<add key="IncludeDefaultDropOption" value="Y"/>
<!-- User Defined Data Type Designer Settings -->
<add key="IncludeUDDTDesignerCreateOption" value="Y"/>
<add key="IncludeUDDTDesignerAlterOption" value="Y"/>
<add key="IncludeUDDTDropOption" value="Y"/>
<!-- User Defined Type Designer Settings -->
<add key="IncludeUDTDesignerCreateOption" value="Y"/>
<add key="IncludeUDTDropOption" value="Y"/>
<!-- User Defined Function Designer Settings -->
<add key="IncludeUserDefinedFunctionDesignerCreateOption" value="Y"/>
<add key="IncludeUserDefinedFunctionDesignerAlterOption" value="Y"/>
<add key="IncludeUserDefinedFunctionDropOption" value="Y"/>
<!-- Schema Designer Settings -->
<add key="IncludeSchemaDesignerCreateOption" value="Y"/>
<add key="IncludeSchemaDesignerAlterOption" value="Y"/>
<add key="IncludeSchemaDropOption" value="Y"/>
<!-- Database Trigger Designer Settings -->
<add key="IncludeDatabaseTriggerDesignerCreateOption" value="Y"/>
<add key="IncludeDatabaseTriggerDesignerAlterOption" value="Y"/>
<add key="IncludeDatabaseTriggerDropOption" value="Y"/>
<!-- Synonym Designer Settings -->
<add key="IncludeSynonymDesignerCreateOption" value="Y"/>
<add key="IncludeSynonymDropOption" value="Y"/>
<!-- User Defined Table Type Designer Settings -->
<add key="IncludeUDTTDesignerCreateOption" value="Y"/>
<add key="IncludeUDTTDropOption" value="Y"/>
<!-- Plan Guide Designer Settings -->
<add key="IncludePlanGuideDesignerCreateOption" value="Y"/>
<add key="IncludePlanGuideDropOption" value="Y"/>
<add key="IncludePlanGuideEnableOption" value="Y"/>
<add key="IncludePlanGuideDisableOption" value="Y"/>
</appSettings>

```

The settings file contains the configurable items in the name/value pair. To change a particular setting, just change the value of that setting.

The following table explains the various elements of the configuration settings:

Element	Description
Guid	This field contains the identifier to the particular Omega.MSSQL® you have downloaded. You must not change this setting because if you change this, your copy of Omega.MSSQL® will not work.
Version	This field contains the build number for the Omega.MSSQL® you have

	downloaded. This is used in support related emails and should not be changed.
CopyRight	This field contains the name of our company and should not be changed as this will violate your agreement with us.
Contact	This field contains the support email. If you want your users to contact you instead of us, please change this with appropriate email address. The support link is displayed at the top right corner of the screen (below icon to log out) and clicking on it will open the default email client on the user's machine.
LicenseDownloadUrl	This field contains the link from which you can download the license. This link is displayed if the application finds an issue with the license file (e.g. missing or corrupt license file, expired license file etc.). If you want your users to notify you about the license related issues, please change the value to appropriate URL.
ShowSystemDatabases	<p>When a user is successfully authenticated against a particular database server, next thing the user is supposed to do is select a database to connect to from the list of available databases on that server. If you do not / do want to show system databases, then change the value. By default the system databases are not included in the database selection dropdown. If you want to include system databases, please change the value from "N" to "Y".</p> <p><i>It is recommended that you keep this value to the default value.</i></p>
IncludeDocumentationOption	Omega.MSSQL® has an option of documenting the database. When this

	option is enabled, users can write information about various database objects (e.g. tables, views etc.) and the information is stored in that database only. By default the documentation option is disabled. If you want the documentation option, please change the value from "N" to "Y".
ShowLicenseInformation	A small icon is displayed on the home page of the application which when clicked on displays the license information. By default this setting is enabled. If you do not want your users to see the license information, please change the value from "Y" to "N".
IncludeDatabaseSearchOption	Omega.MSSQL® has a built in search engine which will let the users search for objects contained in a particular database. By default the application allows users to perform database searches. If you do not want your users to access this functionality, please change the value from "Y" to "N".
MinimumSearchStringLength	For metadata search you can specify what should be the minimum length of the search criteria. This is included to avoid people searching by single alphabets. Default setting is that users must specify a search criteria which is of 2 characters. If you want to increase or decrease this, please change this field accordingly.
IncludeSQLBuilderOption	Omega.MSSQL® has a built in SQL query builder using which users can create/write and execute queries against a particular database. By default the application allows users to write and execute queries against the database. If you do not want your users to use this option, please change the value from "Y" to "N". If this option is enabled, then users can always execute

	<p>SELECT queries against the database.</p> <p><i>Please note: If you change this option to "N" all other subsequent options related to query builder will be ignored.</i></p>
SQLBuilderIncludeUpdateOption	<p>When query builder option is enabled, this setting will allow users to execute UPDATE queries against the database. By default this setting is enabled. If you do not want your users to execute UPDATE queries, please change the value from "Y" to "N".</p>
SQLBuilderIncludeDeleteOption	<p>When query builder option is enabled, this setting will allow users to execute DELETE queries against the database which will result in deleting data from the database. By default this setting is enabled. If you do not want your users to execute DELETE queries, please change the value from "Y" to "N".</p>
SQLBuilderIncludeCreateOption	<p>When query builder option is enabled, this setting will allow users to execute CREATE queries against the database which will result in creating new objects in the database. By default this setting is enabled. If you do not want your users to execute CREATE queries, please change the value from "Y" to "N".</p>
SQLBuilderIncludeAlterOption	<p>When query builder option is enabled, this setting will allow users to execute ALTER queries against the database which will result in changing the structure of the database objects. By default this setting is enabled. If you do not want your users to execute ALTER queries, please change the value from "Y" to "N".</p>
SQLBuilderIncludeDropOption	<p>When Query Builder option is enabled, this setting will allow users to execute DROP queries against the database which will result in database objects being deleted</p>

	from the database. By default this setting is enabled. If you do not want your users to execute DROP queries, please change the value from "Y" to "N".
SQLBuilderIncludeExecOption	When Query Builder option is enabled, this setting will allow users to execute EXEC queries against the database which will result in database objects being deleted from the database. By default this setting is enabled. If you do not want your users to execute EXEC queries, please change the value from "Y" to "N".
IncludeTableDesignerCreateOption	This setting will allow the users to create new tables in the database. By default this setting is enabled. If you do not want your users to create new tables, please change the value from "Y" to "N".
IncludeTableDesignerAlterOption	This setting will allow the users to edit existing tables (create new columns, drop existing columns) in the database. By default this setting is enabled. If you do not want your users to alter tables, please change the value from "Y" to "N".
IncludeTableDesignerDropOption	This setting will allow the users to drop existing tables from the database. Dropping table will also drop the objects dependent on this table (e.g. constraints, defaults etc. but not views).By default this setting is enabled. If you do not want your users to drop tables, please change the value from "Y" to "N".
IncludeViewDesignerCreateOption	This setting will allow the users to create new views in the database. By default this setting is enabled. If you do not want your users to create new views, please change the value from "Y" to "N".
IncludeViewDesignerAlterOption	This setting will allow the users to edit

	existing views in the database. By default this setting is enabled. If you do not want your users to alter views, please change the value from "Y" to "N".
IncludeViewDesignerDropOption	This setting will allow the users to drop existing views from the database. By default this setting is enabled. If you do not want your users to drop views, please change the value from "Y" to "N".
IncludeStoredProcedureDesignerCreateOption	This setting will allow the users to create new stored procedures in the database. By default this setting is enabled. If you do not want your users to create new stored procedures, please change the value from "Y" to "N".
IncludeStoredProcedureDesignerAlterOption	This setting will allow the users to edit existing stored procedures in the database. By default this setting is enabled. If you do not want your users to alter stored procedures, please change the value from "Y" to "N".
IncludeStoredProcedureDesignerDropOption	This setting will allow the users to drop existing stored procedures from the database. By default this setting is enabled. If you do not want your users to drop stored procedures, please change the value from "Y" to "N".
IncludeUserDesignerCreateOption¹	This setting will allow the users to create new users in the database. By default this setting is enabled. If you do not want your users to create new users, please change the value from "Y" to "N".
IncludeUserDesignerAlterOption¹	This setting will allow the users to edit existing users in the database. By default this setting is enabled. If you do not want your users to alter users, please change the value from "Y" to "N".

IncludeUserDesignerDropOption¹	This setting will allow the users to drop existing users from the database. By default this setting is enabled. If you do not want your users to drop users, please change the value from "Y" to "N".
IncludeRoleDesignerCreateOption²	This setting will allow the users to create new roles (both database & application roles) in the database. By default this setting is enabled. If you do not want your users to create new roles, please change the value from "Y" to "N".
IncludeRoleDesignerAlterOption²	This setting will allow the users to edit existing roles in the database. By default this setting is enabled. If you do not want your users to alter roles, please change the value from "Y" to "N".
IncludeRoleDesignerDropOption²	This setting will allow the users to drop existing roles from the database. By default this setting is enabled. If you do not want your users to drop roles, please change the value from "Y" to "N".
IncludeRuleDesignerCreateOption	This setting will allow the users to create new rules in the database. By default this setting is enabled. If you do not want your users to create new rules, please change the value from "Y" to "N".
IncludeRuleDesignerAlterOption	This setting will allow the users to edit existing rules in the database. By default this setting is enabled. If you do not want your users to alter rules, please change the value from "Y" to "N".
IncludeRuleDesignerDropOption	This setting will allow the users to drop existing rules from the database. By default this setting is enabled. If you do not want your users to drop rules, please change the value from "Y" to "N".

IncludeDefaultDesignerCreateOption	This setting will allow the users to create new defaults in the database. By default this setting is enabled. If you do not want your users to create new defaults, please change the value from "Y" to "N".
IncludeDefaultDesignerAlterOption	This setting will allow the users to edit existing defaults in the database. By default this setting is enabled. If you do not want your users to alter defaults, please change the value from "Y" to "N".
IncludeDefaultDesignerDropOption	This setting will allow the users to drop existing defaults from the database. By default this setting is enabled. If you do not want your users to drop defaults, please change the value from "Y" to "N".
IncludeUDDTDesignerCreateOption	This setting will allow the users to create new user defined data types in the database. By default this setting is enabled. If you do not want your users to create new user defined data types, please change the value from "Y" to "N".
IncludeUDDTDesignerAlterOption	This setting will allow the users to edit existing user defined data types in the database. By default this setting is enabled. If you do not want your users to alter user defined data types, please change the value from "Y" to "N".
IncludeUDDTDesignerDropOption	This setting will allow the users to drop existing defaults from the database. By default this setting is enabled. If you do not want your users to drop user defined data types, please change the value from "Y" to "N".
IncludeUDTDesignerCreateOption³	This setting will allow the users to create new user defined types (assembly types) in the database. By default this setting is enabled. If you do not want your users to

	create new user defined types, please change the value from "Y" to "N".
IncludeUDTDesignerDropOption³	This setting will allow the users to drop existing user defined types from the database. By default this setting is enabled. If you do not want your users to drop user defined types, please change the value from "Y" to "N".
IncludeUserDefinedFunctionDesignerCreateOption	This setting will allow the users to create new user defined functions in the database. By default this setting is enabled. If you do not want your users to create new user defined functions, please change the value from "Y" to "N".
IncludeUserDefinedFunctionDesignerAlterOption	This setting will allow the users to edit existing user defined functions in the database. By default this setting is enabled. If you do not want your users to alter user defined functions, please change the value from "Y" to "N".
IncludeUserDefinedFunctionDesignerDropOption	This setting will allow the users to drop existing user defined functions from the database. By default this setting is enabled. If you do not want your users to drop user defined functions, please change the value from "Y" to "N".
IncludeSchemaDesignerCreateOption⁴	This setting will allow the users to create new schemas in the database. By default this setting is enabled. If you do not want your users to create new schemas, please change the value from "Y" to "N".
IncludeSchemaDesignerAlterOption⁴	This setting will allow the users to edit existing schemas in the database. By default this setting is enabled. If you do not want your users to alter schemas, please change the value from "Y" to "N".

IncludeSchemaDesignerDropOption⁴	This setting will allow the users to drop existing schemas from the database. By default this setting is enabled. If you do not want your users to drop schemas, please change the value from "Y" to "N".
IncludeDatabaseTriggerDesignerCreateOption⁵	This setting will allow the users to create new database triggers in the database. By default this setting is enabled. If you do not want your users to create new database triggers, please change the value from "Y" to "N".
IncludeDatabaseTriggerDesignerAlterOption⁵	This setting will allow the users to edit existing database triggers in the database. By default this setting is enabled. If you do not want your users to alter database triggers, please change the value from "Y" to "N".
IncludeDatabaseTriggerDesignerDropOption⁵	This setting will allow the users to drop existing database triggers from the database. By default this setting is enabled. If you do not want your users to drop database triggers, please change the value from "Y" to "N".
IncludeSynonymDesignerCreateOption⁶	This setting will allow the users to create new synonyms in the database. By default this setting is enabled. If you do not want your users to create new synonyms, please change the value from "Y" to "N".
IncludeSynonymDesignerDropOption⁶	This setting will allow the users to drop existing synonyms from the database. By default this setting is enabled. If you do not want your users to drop synonyms, please change the value from "Y" to "N".
IncludeUDTTDesignerCreateOption⁷	This setting will allow the users to create new user defined table types in the database. By default this setting is enabled. If you do not want your users to

	create new user defined table types, please change the value from "Y" to "N".
IncludeUDTTDesignerDropOption⁷	This setting will allow the users to drop existing user defined table types from the database. By default this setting is enabled. If you do not want your users to drop user defined table types, please change the value from "Y" to "N".
IncludePlanGuideDesignerCreateOption⁸	This setting will allow the users to create new plan guides in the database. By default this setting is enabled. If you do not want your users to create plan guides, please change the value from "Y" to "N".
IncludePlanGuideDesignerDropOption⁸	This setting will allow the users to drop existing plan guides from the database. By default this setting is enabled. If you do not want your users to drop plan guides, please change the value from "Y" to "N".
IncludePlanGuideEnableOption⁸	This setting will allow the users to enable any existing plan guides which are currently in disabled state. By default this setting is enabled. If you do not want your users to enable plan guides, please change the value from "Y" to "N".
IncludePlanGuideDisableOption⁸	This setting will allow the users to disable any existing plan guides which are currently in enabled state. By default this setting is enabled. If you do not want your users to disable plan guides, please change the value from "Y" to "N".

¹ User designer features are only available in SQL Server 2005 and above.

² Role designer features are only available in SQL Server 2005 and above.

³ User Defined Types designer features are only available in SQL Server 2005 and above.

⁴ Schema designer features are only available in SQL Server 2005 and above.

⁵ Database Trigger designer features are only available in SQL Server 2005 and above.

⁶*Synonym designer features are only available in SQL Server 2005 and above.*

⁷*User Defined Table Type designer features are only available in SQL Server 2008.*

⁸*Plan Guide designer features are only available in SQL Server 2008.*

Please note: Any time you make change to "settings.config" file, for the changes to take effect, you need to restart the IIS server.

More Help

Please contact support at <http://omega.cerebrata.com> or omega.support@cerebrata.com if you need additional help.