

## About EasyStruct 4.5 Enterprise SE (Second Edition)

EasyStruct 4.5 Enterprise SE is database schema documentation and migration tool from Easytools.com. It documents the complete structure of a database and generates output as XML, HTML or Microsoft Word documents.

## Purpose of EasyStruct 4.5 Enterprise SE

The purpose of EasyStruct 4.5 Enterprise SE is to:

- Import a complete database structure containing database objects like tables, triggers and stored-procedures to generate an XML, HTML or Microsoft Word reports.
- Import your own XSL Report Layouts and Style sheet CSS.
- Create Entity Relationship(ER) Diagram for your database.
- Migrate tables and indexes from one database engine to another.
- Copy names of tables, views, stored procedures from a database to the clipboard in a single-click.
- Create EasyStruct Database screenshot files (ESS).
- Generate Batch files.
- Execute SQL Queries for any database
- Generate SQL Script
- Preview and Print reports.

## Features of EasyStruct 4.5 Enterprise

- Supports SQL server (6.5, 7.0 & 2000), IBM DB2 7x, MS Access (XP, 97, 95 & 2.0) and Oracle (7i, 8i & 9i).
- Generates reports as XML and Microsoft Word documents apart from HTML
- View the database structure by choosing objects to be included in the report.
- Facilitates export tables, foreign keys and indexes from one database engine to another.
- Connects grouped databases to ease customizing reports.
- Customizes preview reports for individual objects
- Creates Entity Relationship Diagram for each database
- Displays the dependencies of views, stored procedures and triggers
- Allows to view the privileges of each object in the database and for each user
- Creates more report formats and styles
- Creates professional and customizable word document
- Allows to customize columns to be displayed in the report, Word document, HTML and XML
- Generates complete SQL Script file for the selected database
- Executes query application that allows running SQL statement in the currently connected database.

## System Requirements:

All Editions of EasyStruct require the following to be available in the system to run successfully.

### Software:

- Microsoft Internet Explorer 5.x or above  
<http://www.microsoft.com/windows/ie/default.asp>
- Microsoft XML Parser 3.0 (MSXML 3.0)  
<http://download.microsoft.com/download/xml/SP/3.20/W9X2KMeXP/EN-US/msxml3sp2Setup.exe>
- Microsoft Data Access Components (MDAC) 2.6 or above  
<http://www.microsoft.com/data/>
- Microsoft Windows Scripting 5.5  
<http://www.microsoft.com/scripting>

EasyStruct Professional 4.0 for Oracle & DB2 and EasyStruct Enterprise 4.0 allows you to connect to IBM DB2 and Oracle database.

- To connect to IBM DB2, the OLEDB Provider available from IBM website is required in the system. It is available from  
<http://www-3.ibm.com/software/data/db2/udb/ad/v7/oledb.html>
- To connect to Oracle 8i/9i, the OLEDB Provider available from Oracle website is required in the system. It is available from  
[Oracle OLEDB Provider for Oracle 9i](#)  
[Oracle OLEDB Provider for Oracle 8i](#)
- To get the list of Microsoft SQL Server databases, the latest version of SQLDMO is required in the system.

### Hardware:

- Pentium®-class processor
- Windows 2000 or above
- .NET Framework 1.0
- Min 64 MB of RAM

## Illustration for a feature

### Importing a new Database Structure

To import a new database structure:

1. Install the EasyStruct 4.5 Enterprise SE in your system.
2. To Start the application:
  - a. From the **Start** Menu, go to **Programs**, point to **EasyStruct 4.5** and click **EasyStruct 4.5 Enterprise**.
  - b. The application opens.
3. Right click the **EasyStruct Folder** in the right window.
4. Point to **New Database** and click **New Database** as shown in the figure below.

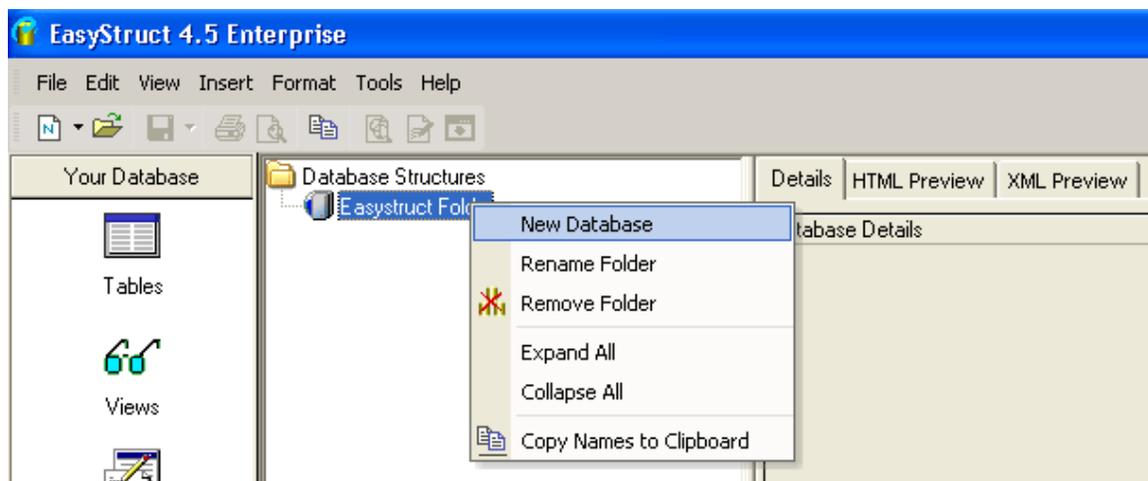


Figure 1: Create Database

Alternatively, on the **File** menu, click **New Report** as shown in the figure given below.

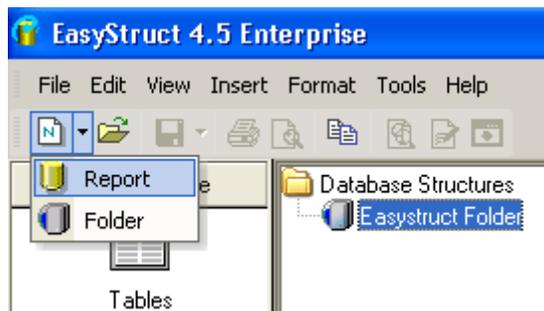


Figure 2: Alternate method

The EasyStruct 4.5 Enterprise Wizard opens up and guides you through the rest of the process.

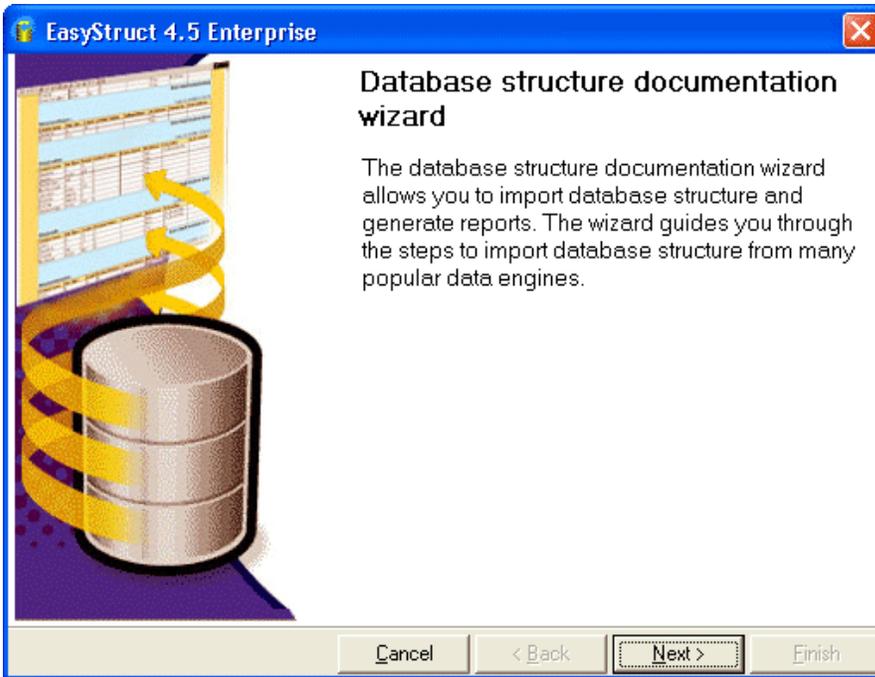


Figure 3: Wizard screen

5. A database of your choice can be selected from the list of data engines listed in the drop-down provided. Based on the data engine chosen by you, the field values vary as shown in the figure below.

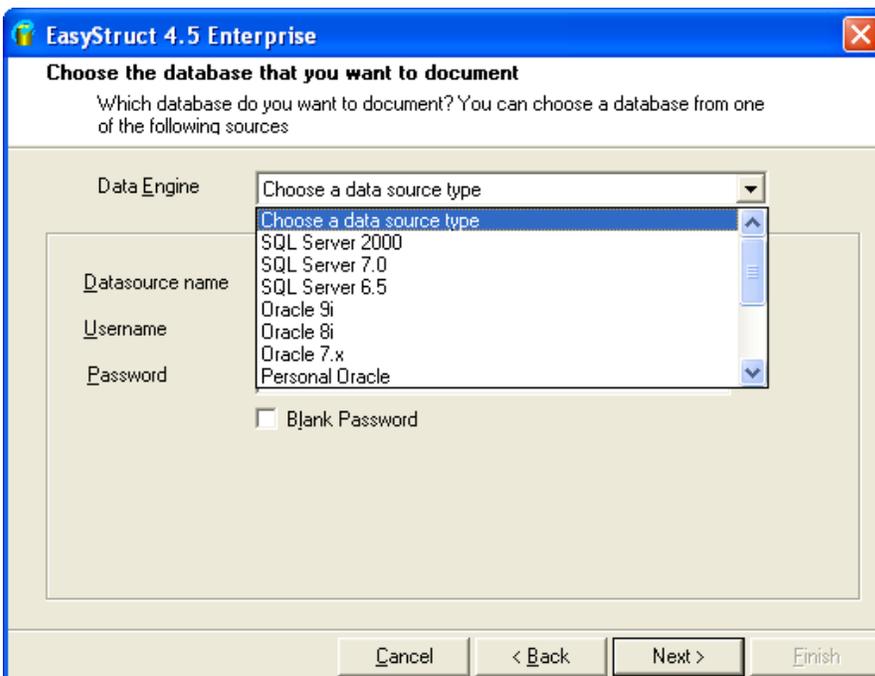


Figure 4: Wizard screen 2

6. For e.g. if you choose SQL Server 2000 as your data engine, then you would have to enter the Data source name, Username and Password as shown in the figure given below.

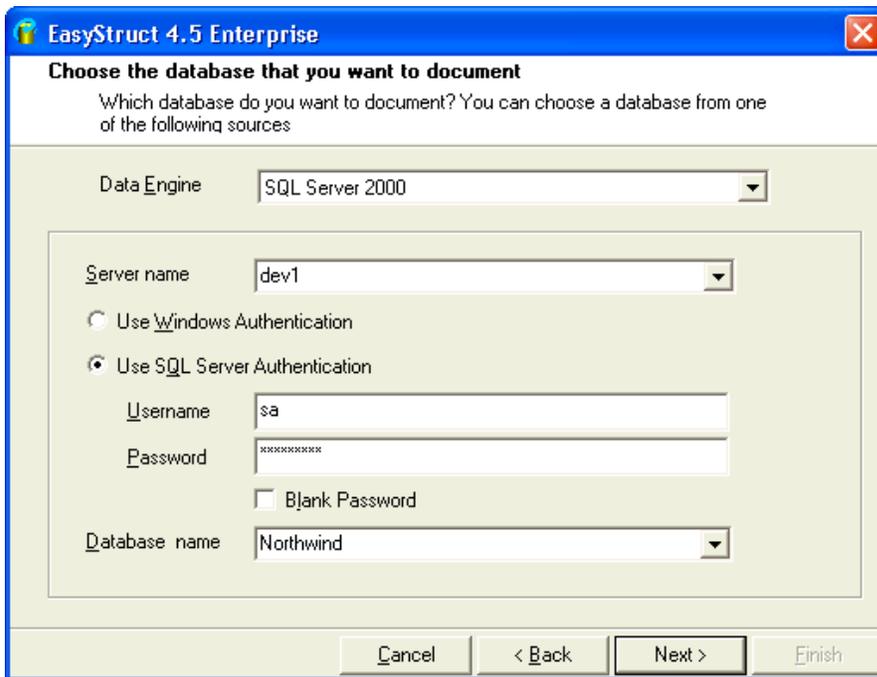


Figure 5: Wizard screen 3

7. The EasyStruct 4.5 Enterprise Wizard fetches the database structure into an XML file as shown in the figure given below.

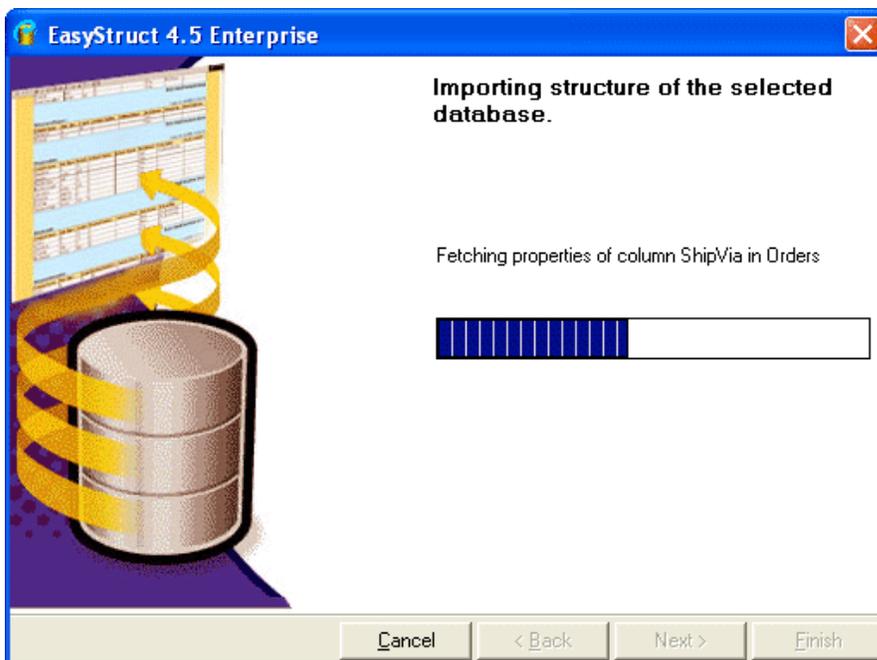


Figure 6: Wizard screen 4

8. The summary of the objects that have been imported is listed as shown in the figure given below.

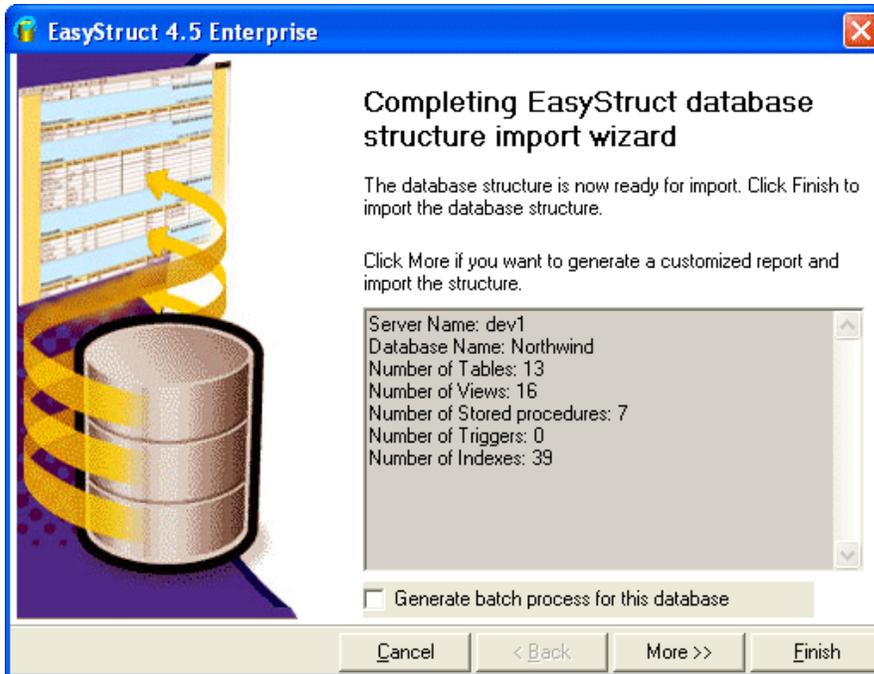


Figure 7: Wizard screen 5

9. Click the **Finish** button to close the wizard.
10. Go to the EasyStruct console to view the database structure in detail. You can continue to customize the report.

### Viewing the imported database structure

Once the database structure is imported, the selected objects i.e. the Tables, Views, Stored Procedures and the Relationship Diagram get displayed in the console. The details of each object are displayed on the right pane. The three types of Preview seen are as follows:

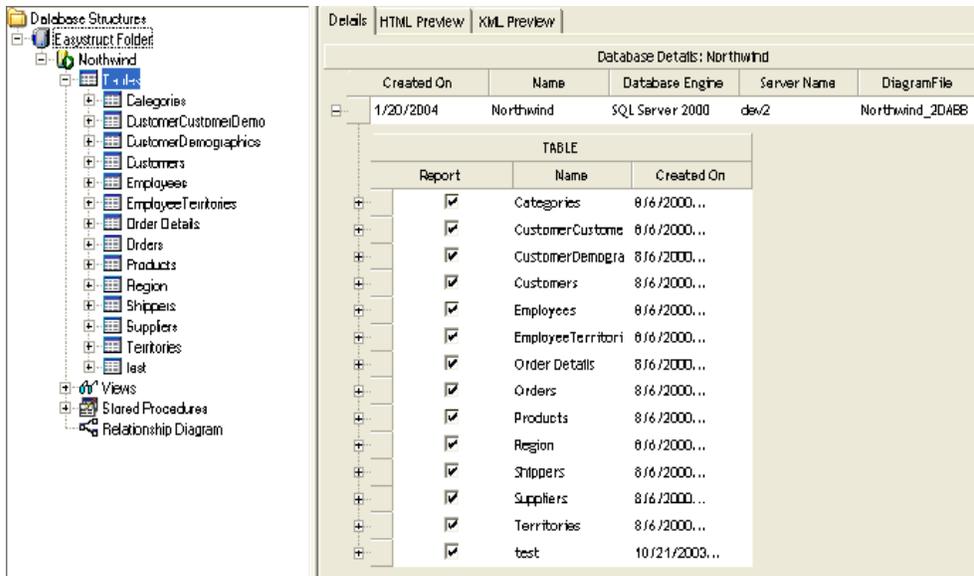


Figure 8: Normal view

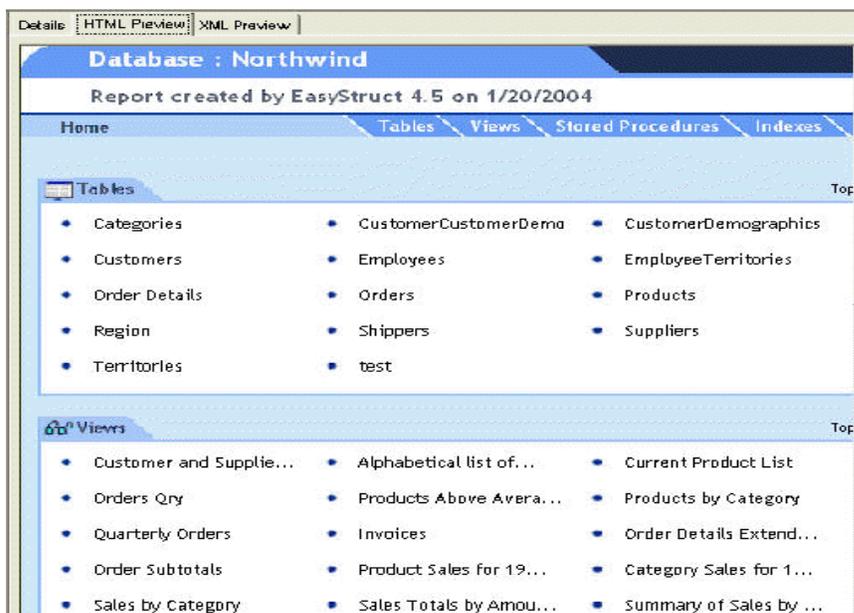


Figure 9: HTML view

```

<!-- Created by EasyStruct 4.5 Enterprise -->
- <DATABASE Created_On="1/20/2004" Name="Northwind"
  Database_Engine="SQL Server 2000" Server_Name="dev2"
  DatabaseName="Northwind">
- <TABLE Name="Categories" Created_On="8/6/2000 1:34:05 AM"
  PageNumber="1">
  <COLUMN Column_Name="CategoryID" Ordinal_Position="1"
    Default_Value="" Null_Allowed="NO" Data_Type="int identity"
    Precision="10" Description="" Primary_Key="PK_Categories"
    Check_Clause="" />
  <COLUMN Column_Name="CategoryName" Ordinal_Position="2"
    Default_Value="" Null_Allowed="NO" Data_Type="nvarchar"
    Precision="15" Description="" Primary_Key="" Check_Clause="" />
  <COLUMN Column_Name="Description" Ordinal_Position="3"
    Default_Value="" Null_Allowed="YES" Data_Type="ntext"
    Precision="1073741820" Description="" Primary_Key=""
    Check_Clause="" />
  <COLUMN Column_Name="Picture" Ordinal_Position="4"
    Default_Value="" Null_Allowed="YES" Data_Type="Image"
    Precision="2147483547" Description="" Primary_Key=""
    Check_Clause="" />
- <INDEX Name="PK_Categories" Table_Name="Categories"
  Index_Type="Clustered" Unique="False" Index_FillFactor="0"
  Primary_Key="True" Ignore_Duplicate_Row="False">
  <COLUMN Column_Name="CategoryID"
    Sort_Order="Ascending" />
</INDEX>
- <INDEX Name="CategoryName" Table_Name="Categories"
  Index_Type="Non-Clustered" Unique="True" Index_FillFactor="0"
  Primary_Key="False" Ignore_Duplicate_Row="False">
  <COLUMN Column_Name="CategoryName"
    Sort_Order="Ascending" />
</INDEX>

```

Figure 10: XML View

## Contact Details

EasyTools.com is always ready to answer any questions regarding EasyStruct 4.5 Enterprise SE and our other products. For technical support for any of our products, please email our support team at [support@easytools.com](mailto:support@easytools.com).

For all sales enquiries including academic pricing and volume licensing of the product contact us at [sales@easytools.com](mailto:sales@easytools.com).

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## Acknowledgements

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