

## OVERVIEW.

**Xspouse™** has not changed, with the exception of a new menu item labeled "Database". You can still save case data to files on your local hard disk, just as before. It is not necessary to install the server database components to run **Xspouse™**. You can install them later, at any time.

The server components are new. They consist of a web service "XspouseDb" and a database consisting of one table. You can choose any name that you like for the database, but the table must be named "XCases". Among the server components, you will find a SQL script that will create this table for you.

**IMPORTANT NOTE:** If, for some reason, **Xspouse™** cannot connect to the database, it will keep trying for 60 seconds. During this 60 seconds, Xspouse will appear to be frozen. Please be patient. **Xspouse™** will eventually post an error message on the screen and resume functioning normally.

## ARCHITECTURE.

The architecture is very standard. It consists of **Xspouse™**, the web service XspouseDb (which is located on a server) and the database (which is located either on the same or different server). **Xspouse™** either sends case data to or requests case data from the web service. Depending on access permissions that you set, the web service then writes the case data to the database, or reads case data from the database and sends it back to **Xspouse™**.

## FILES IN THE PACKAGE

The web service XspouseDb is composed of the following files

```
XspouseDbIsapi.dll  
XspouseDb.dll  
cax.dbsvc.dll  
XspouseDb.disco
```

The file

```
table_xcases.sql
```

contains a SQL script to create the table XCases that will store the **Xspouse™** case data.

The file

```
table_xcases.xls
```

is a Microsoft Excel spreadsheet that describes the columns in the table XCases.

## INSTALLATION.

**Xspouse™** is installed as before.

The web service should be hosted by Microsoft Internet Information Services (IIS). Create a virtual directory `XspouseDb` under the root. Then copy the following files into this directory.

```
XspouseDbIsapi.dll  
XspouseDb.dll  
cax.dbsvc.dll  
XspouseDb.disco
```

Configure the web service and security settings. For more information, see the following link.

```
http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vccore/html/vcgrfDeployingATLServerApplications.asp
```

To install the database, simply create a database (you can choose the name) and then run the SQL script contained in the file `table_xcases.sql`.

## CONFIGURATION.

Besides the configuration mentioned above, we need to do the following.

1. Create a text file called `xdbserver.cfg` in the **Xspouse™** directory (either on the client machine or on an application server). This file should contain a single line of the form

```
http://xspouseserver:80/XspouseDb/XspouseDb.dll?Handler=Default
```

Replace "xspouseserver" with the name of the server on which the web service has been installed.

2. In the `machine.config` file on the same server, in the `appSettings` section, make an entry similar to the following example.

```
<appSettings>  
  <add key="xdbConnectionString"  
value="Provider=SQLOLEDB.1;Server=localhost;Database=XCases;Integrated  
Security=SSPI;Connection Timeout=60" />  
</appSettings>
```

The value for `xdbConnectionString` should be an appropriate OLE DB connection string.