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**ODBC2KML**

**Deployment Guide**

**Version 1.0 – 22 April 2010**

**Revision History**

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# 1. Introduction

This document describes the steps needed to deploy the ODBC2KML system. It includes all prerequisites, installation steps needed to fully deploy the ODBC2KML system to a development or deployment server.

# 2. Prerequisites

This guide assumes that you know how to and already have set up Microsoft Internet Information Server (IIS) 6.0, set up a web site in IIS for the ODBC2KML system. You must also have installed and set up Microsoft SQL Server 2005 on the same machine as the IIS server. This guide also assumes you have administrator privileges on the server you are deploying the system.

# 3. Setup

## 3.1 Build and Publish ODBC2KML

1. Open the ODBC2KML solution in Visual Studio 2008.
2. Build the solution by clicking Build 🡪 Build Solution.
3. Click Build 🡪 Publish or right-click solution and click Publish.
4. Specify where to publish to, either a folder on this computer or directly to your IIS deployment.
   1. If you publish to a folder, copy the contents of that folder into the IIS web site folder on your IIS machine.
   2. If you publish directly to your IIS, be sure to specify the IIS connection details.

## 3.2 ODBC2KML IIS Settings

1. Open the IIS Manager.
2. Open <Deployment\_Server\_Name> 🡪 Web Sites.
3. Right-click the web site for ODBC2KML 🡪 Properties.
4. On the Documents tab, add Main.aspx as the first default content page.
5. On the ASP.NET tab, select ASP.NET version 2.x.
6. Click OK.

## 3.3 Install ODBC Drivers

1. Download and install the MySQL .NET connector driver at: <http://dev.mysql.com/downloads/connector/net/>
2. Download and install the MySQL ODBC connector Driver at: <http://dev.mysql.com/downloads/connector/odbc/>
3. Download and install the ODBC .NET Service Provider at: <http://www.microsoft.com/downloads/details.aspx?familyid=6ccd8427-1017-4f33-a062-d165078e32b1&displaylang=en>
4. Download the Oracle Instant Client Drivers at: <http://download.oracle.com/otn/nt/instantclient/111070/instantclient-basic-win32-11.1.0.7.0.zip>
5. Download the Oracle Instant Client ODBC drivers at: <http://download.oracle.com/otn/nt/instantclient/111070/instantclient-odbc-win32-11.1.0.7.0.zip>
6. Unzip both of the Oracle Instant Client drivers to C:\instantclient.
7. Add C:\instantclient to your PATH environment variable.
   1. Right-click My Computer
   2. Click Advanced in Windows XP/Server 2003 or Advanced System Settings in Vista/7/Server 2008.
   3. Click Environment Variables.
   4. Select PATH in System variables and click Edit…
   5. Add ;C:\instantclient and click OK, OK, OK.
8. Run C:\instantclient\odbc\_install.exe.

## 3.4 Application Database Setup

1. In your Microsoft SQL server, create a new database called “odbc2kml.”
2. Appendix A contains the SQL needed to create the database tables in the odbc2kml database for the ODBC2KML system. It also adds the icons from the /icons folder to the IconLibrary table. Run this set of commands on your Microsoft SQL server. You should receive a message similar to “46 rows affected by last query.”

# 4. Testing Deployment

1. At this point, everything should be set up correctly. To test your deployment, navigate to http://<deployed\_machine\_name> or whatever address you deployed it to. If everything is set up correctly, you should see the ODBC2KML main page. If not, go through this guide again and verify that everything is set up correctly.

# Appendix A: ODBC2KML.sql

/\*\*\*\*\*\* Object: ForeignKey [FK\_Description\_Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_Description\_Connection]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[Description]'))

ALTER TABLE [dbo].[Description] DROP CONSTRAINT [FK\_Description\_Connection]

/\*\*\*\*\*\* Object: ForeignKey [FK\_Icon\_Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_Icon\_Connection]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[Icon]'))

ALTER TABLE [dbo].[Icon] DROP CONSTRAINT [FK\_Icon\_Connection]

/\*\*\*\*\*\* Object: ForeignKey [FK\_Icon\_IconLibrary] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_Icon\_IconLibrary]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[Icon]'))

ALTER TABLE [dbo].[Icon] DROP CONSTRAINT [FK\_Icon\_IconLibrary]

/\*\*\*\*\*\* Object: ForeignKey [FK\_IconCondition\_Connection1] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_IconCondition\_Connection1]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[IconCondition]'))

ALTER TABLE [dbo].[IconCondition] DROP CONSTRAINT [FK\_IconCondition\_Connection1]

/\*\*\*\*\*\* Object: ForeignKey [FK\_IconCondition\_Icon1] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_IconCondition\_Icon1]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[IconCondition]'))

ALTER TABLE [dbo].[IconCondition] DROP CONSTRAINT [FK\_IconCondition\_Icon1]

/\*\*\*\*\*\* Object: ForeignKey [FK\_Mapping\_Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_Mapping\_Connection]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[Mapping]'))

ALTER TABLE [dbo].[Mapping] DROP CONSTRAINT [FK\_Mapping\_Connection]

/\*\*\*\*\*\* Object: ForeignKey [FK\_Overlay\_Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_Overlay\_Connection]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[Overlay]'))

ALTER TABLE [dbo].[Overlay] DROP CONSTRAINT [FK\_Overlay\_Connection]

/\*\*\*\*\*\* Object: ForeignKey [FK\_OverlayCondition\_Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_OverlayCondition\_Connection]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]'))

ALTER TABLE [dbo].[OverlayCondition] DROP CONSTRAINT [FK\_OverlayCondition\_Connection]

/\*\*\*\*\*\* Object: ForeignKey [FK\_OverlayCondition\_Overlay] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_OverlayCondition\_Overlay]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]'))

ALTER TABLE [dbo].[OverlayCondition] DROP CONSTRAINT [FK\_OverlayCondition\_Overlay]

/\*\*\*\*\*\* Object: Table [dbo].[IconCondition] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[IconCondition]') AND type in (N'U'))

DROP TABLE [dbo].[IconCondition]

/\*\*\*\*\*\* Object: Table [dbo].[Description] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[Description]') AND type in (N'U'))

DROP TABLE [dbo].[Description]

/\*\*\*\*\*\* Object: Table [dbo].[OverlayCondition] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]') AND type in (N'U'))

DROP TABLE [dbo].[OverlayCondition]

/\*\*\*\*\*\* Object: Table [dbo].[Overlay] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[Overlay]') AND type in (N'U'))

DROP TABLE [dbo].[Overlay]

/\*\*\*\*\*\* Object: Table [dbo].[Mapping] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[Mapping]') AND type in (N'U'))

DROP TABLE [dbo].[Mapping]

/\*\*\*\*\*\* Object: Table [dbo].[Icon] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[Icon]') AND type in (N'U'))

DROP TABLE [dbo].[Icon]

/\*\*\*\*\*\* Object: Table [dbo].[Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[Connection]') AND type in (N'U'))

DROP TABLE [dbo].[Connection]

/\*\*\*\*\*\* Object: Table [dbo].[IconLibrary] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[IconLibrary]') AND type in (N'U'))

DROP TABLE [dbo].[IconLibrary]

/\*\*\*\*\*\* Object: Default [DF\_IconCondition\_lowerOperator] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.default\_constraints WHERE object\_id = OBJECT\_ID(N'[dbo].[DF\_IconCondition\_lowerOperator]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[IconCondition]'))

Begin

ALTER TABLE [dbo].[IconCondition] DROP CONSTRAINT [DF\_IconCondition\_lowerOperator]

End

/\*\*\*\*\*\* Object: Default [DF\_IconCondition\_upperOperator] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.default\_constraints WHERE object\_id = OBJECT\_ID(N'[dbo].[DF\_IconCondition\_upperOperator]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[IconCondition]'))

Begin

ALTER TABLE [dbo].[IconCondition] DROP CONSTRAINT [DF\_IconCondition\_upperOperator]

End

/\*\*\*\*\*\* Object: Default [DF\_OverlayCondition\_lowerOperator] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.default\_constraints WHERE object\_id = OBJECT\_ID(N'[dbo].[DF\_OverlayCondition\_lowerOperator]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]'))

Begin

ALTER TABLE [dbo].[OverlayCondition] DROP CONSTRAINT [DF\_OverlayCondition\_lowerOperator]

End

/\*\*\*\*\*\* Object: Default [DF\_OverlayCondition\_upperOperator] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF EXISTS (SELECT \* FROM sys.default\_constraints WHERE object\_id = OBJECT\_ID(N'[dbo].[DF\_OverlayCondition\_upperOperator]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]'))

Begin

ALTER TABLE [dbo].[OverlayCondition] DROP CONSTRAINT [DF\_OverlayCondition\_upperOperator]

End

/\*\*\*\*\*\* Object: Table [dbo].[IconLibrary] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

SET QUOTED\_IDENTIFIER ON

IF NOT EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[IconLibrary]') AND type in (N'U'))

BEGIN

CREATE TABLE [dbo].[IconLibrary](

[ID] [int] IDENTITY(1,1) NOT NULL,

[location] [varchar](250) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[isLocal] [bit] NOT NULL,

CONSTRAINT [PK\_IconLibrary] PRIMARY KEY CLUSTERED

(

[ID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

)

END

SET IDENTITY\_INSERT [dbo].[IconLibrary] ON

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (56, N'/icons/1.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (57, N'/icons/2.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (58, N'/icons/3.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (59, N'/icons/4.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (60, N'/icons/5.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (61, N'/icons/6.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (62, N'/icons/7.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (63, N'/icons/8.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (64, N'/icons/9.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (65, N'/icons/10.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (66, N'/icons/A.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (67, N'/icons/airports.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (68, N'/icons/arrow-reverse.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (69, N'/icons/arrow.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (70, N'/icons/arts.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (71, N'/icons/B.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (72, N'/icons/bars.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (73, N'/icons/blu-blank.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (74, N'/icons/blu-circle.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (75, N'/icons/blu-diamond.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (76, N'/icons/blu-square.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (77, N'/icons/blu-stars.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (78, N'/icons/blue-pushpin.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (79, N'/icons/bus.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (80, N'/icons/C.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (81, N'/icons/cabs.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (82, N'/icons/camera.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (83, N'/icons/campfire.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (84, N'/icons/campground.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (85, N'/icons/caution.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (86, N'/icons/coffee.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (87, N'/icons/convenience.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (88, N'/icons/cycling.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (89, N'/icons/D.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (90, N'/icons/dining.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (91, N'/icons/dollar.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (92, N'/icons/donut.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (93, N'/icons/F.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (94, N'/icons/falling\_rocks.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (95, N'/icons/ferry.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (96, N'/icons/firedept.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (97, N'/icons/fishing.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (98, N'/icons/flag.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (99, N'/icons/forbidden.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (100, N'/icons/G.png', 1)

INSERT [dbo].[IconLibrary] ([ID], [location], [isLocal]) VALUES (101, N'/icons/gas\_stations.png', 1)

SET IDENTITY\_INSERT [dbo].[IconLibrary] OFF

/\*\*\*\*\*\* Object: Table [dbo].[Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

SET QUOTED\_IDENTIFIER ON

IF NOT EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[Connection]') AND type in (N'U'))

BEGIN

CREATE TABLE [dbo].[Connection](

[ID] [int] IDENTITY(5,1) NOT NULL,

[name] [varchar](50) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[dbName] [varchar](50) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[userName] [varchar](50) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[password] [varchar](50) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[port] [int] NOT NULL,

[address] [varchar](50) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[protocol] [varchar](150) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NULL,

[serviceName] [varchar](150) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NULL,

[SID] [varchar](150) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NULL,

[type] [int] NOT NULL,

CONSTRAINT [PK\_Connection] PRIMARY KEY CLUSTERED

(

[ID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

)

END

/\*\*\*\*\*\* Object: Table [dbo].[Icon] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

SET QUOTED\_IDENTIFIER ON

IF NOT EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[Icon]') AND type in (N'U'))

BEGIN

CREATE TABLE [dbo].[Icon](

[ID] [int] IDENTITY(1,1) NOT NULL,

[iconLibraryID] [int] NOT NULL,

[connID] [int] NOT NULL,

CONSTRAINT [PK\_Icon\_1] PRIMARY KEY CLUSTERED

(

[ID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

)

END

/\*\*\*\*\*\* Object: Table [dbo].[Mapping] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

SET QUOTED\_IDENTIFIER ON

IF NOT EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[Mapping]') AND type in (N'U'))

BEGIN

CREATE TABLE [dbo].[Mapping](

[ID] [int] IDENTITY(1,1) NOT NULL,

[tableName] [varchar](128) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[latFieldName] [varchar](128) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[longFieldName] [varchar](128) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[placemarkFieldName] [varchar](128) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NULL,

[format] [int] NOT NULL,

[connID] [int] NOT NULL,

CONSTRAINT [PK\_Mapping] PRIMARY KEY CLUSTERED

(

[ID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

)

END

IF NOT EXISTS (SELECT \* FROM sys.indexes WHERE object\_id = OBJECT\_ID(N'[dbo].[Mapping]') AND name = N'IX\_Mapping')

CREATE NONCLUSTERED INDEX [IX\_Mapping] ON [dbo].[Mapping]

(

[connID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, IGNORE\_DUP\_KEY = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

/\*\*\*\*\*\* Object: Table [dbo].[Overlay] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

SET QUOTED\_IDENTIFIER ON

IF NOT EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[Overlay]') AND type in (N'U'))

BEGIN

CREATE TABLE [dbo].[Overlay](

[ID] [int] IDENTITY(1,1) NOT NULL,

[connID] [int] NOT NULL,

[color] [varchar](50) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

CONSTRAINT [PK\_Overlay\_1] PRIMARY KEY CLUSTERED

(

[ID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

)

END

/\*\*\*\*\*\* Object: Table [dbo].[OverlayCondition] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

SET QUOTED\_IDENTIFIER ON

IF NOT EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]') AND type in (N'U'))

BEGIN

CREATE TABLE [dbo].[OverlayCondition](

[ID] [int] IDENTITY(1,1) NOT NULL,

[overlayID] [int] NOT NULL,

[connID] [int] NOT NULL,

[lowerBound] [varchar](100) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NULL,

[upperBound] [varchar](100) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NULL,

[lowerOperator] [int] NOT NULL,

[upperOperator] [int] NOT NULL,

[fieldName] [varchar](100) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[tableName] [varchar](100) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

CONSTRAINT [PK\_OverlayCondition] PRIMARY KEY CLUSTERED

(

[ID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

)

END

IF NOT EXISTS (SELECT \* FROM sys.indexes WHERE object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]') AND name = N'IX\_OverlayCondition')

CREATE NONCLUSTERED INDEX [IX\_OverlayCondition] ON [dbo].[OverlayCondition]

(

[overlayID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, IGNORE\_DUP\_KEY = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

IF NOT EXISTS (SELECT \* FROM sys.indexes WHERE object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]') AND name = N'IX\_OverlayCondition\_1')

CREATE NONCLUSTERED INDEX [IX\_OverlayCondition\_1] ON [dbo].[OverlayCondition]

(

[connID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, IGNORE\_DUP\_KEY = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

/\*\*\*\*\*\* Object: Table [dbo].[Description] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

SET QUOTED\_IDENTIFIER ON

IF NOT EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[Description]') AND type in (N'U'))

BEGIN

CREATE TABLE [dbo].[Description](

[connID] [int] NOT NULL,

[description] [varchar](max) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NULL,

CONSTRAINT [PK\_Description] PRIMARY KEY CLUSTERED

(

[connID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

)

END

/\*\*\*\*\*\* Object: Table [dbo].[IconCondition] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

SET QUOTED\_IDENTIFIER ON

IF NOT EXISTS (SELECT \* FROM sys.objects WHERE object\_id = OBJECT\_ID(N'[dbo].[IconCondition]') AND type in (N'U'))

BEGIN

CREATE TABLE [dbo].[IconCondition](

[ID] [int] IDENTITY(1,1) NOT NULL,

[connID] [int] NOT NULL,

[iconID] [int] NOT NULL,

[lowerBound] [varchar](100) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NULL,

[upperBound] [varchar](100) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NULL,

[lowerOperator] [int] NOT NULL,

[upperOperator] [int] NOT NULL,

[fieldName] [varchar](100) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

[tableName] [varchar](100) COLLATE SQL\_Latin1\_General\_CP1\_CI\_AS NOT NULL,

CONSTRAINT [PK\_IconCondition] PRIMARY KEY CLUSTERED

(

[ID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

)

END

IF NOT EXISTS (SELECT \* FROM sys.indexes WHERE object\_id = OBJECT\_ID(N'[dbo].[IconCondition]') AND name = N'IX\_IconCondition')

CREATE NONCLUSTERED INDEX [IX\_IconCondition] ON [dbo].[IconCondition]

(

[iconID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, IGNORE\_DUP\_KEY = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

IF NOT EXISTS (SELECT \* FROM sys.indexes WHERE object\_id = OBJECT\_ID(N'[dbo].[IconCondition]') AND name = N'IX\_IconCondition\_1')

CREATE NONCLUSTERED INDEX [IX\_IconCondition\_1] ON [dbo].[IconCondition]

(

[connID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, IGNORE\_DUP\_KEY = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

/\*\*\*\*\*\* Object: Default [DF\_IconCondition\_lowerOperator] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF Not EXISTS (SELECT \* FROM sys.default\_constraints WHERE object\_id = OBJECT\_ID(N'[dbo].[DF\_IconCondition\_lowerOperator]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[IconCondition]'))

Begin

ALTER TABLE [dbo].[IconCondition] ADD CONSTRAINT [DF\_IconCondition\_lowerOperator] DEFAULT ((0)) FOR [lowerOperator]

End

/\*\*\*\*\*\* Object: Default [DF\_IconCondition\_upperOperator] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF Not EXISTS (SELECT \* FROM sys.default\_constraints WHERE object\_id = OBJECT\_ID(N'[dbo].[DF\_IconCondition\_upperOperator]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[IconCondition]'))

Begin

ALTER TABLE [dbo].[IconCondition] ADD CONSTRAINT [DF\_IconCondition\_upperOperator] DEFAULT ((0)) FOR [upperOperator]

End

/\*\*\*\*\*\* Object: Default [DF\_OverlayCondition\_lowerOperator] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF Not EXISTS (SELECT \* FROM sys.default\_constraints WHERE object\_id = OBJECT\_ID(N'[dbo].[DF\_OverlayCondition\_lowerOperator]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]'))

Begin

ALTER TABLE [dbo].[OverlayCondition] ADD CONSTRAINT [DF\_OverlayCondition\_lowerOperator] DEFAULT ((0)) FOR [lowerOperator]

End

/\*\*\*\*\*\* Object: Default [DF\_OverlayCondition\_upperOperator] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF Not EXISTS (SELECT \* FROM sys.default\_constraints WHERE object\_id = OBJECT\_ID(N'[dbo].[DF\_OverlayCondition\_upperOperator]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]'))

Begin

ALTER TABLE [dbo].[OverlayCondition] ADD CONSTRAINT [DF\_OverlayCondition\_upperOperator] DEFAULT ((0)) FOR [upperOperator]

End

/\*\*\*\*\*\* Object: ForeignKey [FK\_Description\_Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF NOT EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_Description\_Connection]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[Description]'))

ALTER TABLE [dbo].[Description] WITH CHECK ADD CONSTRAINT [FK\_Description\_Connection] FOREIGN KEY([connID])

REFERENCES [dbo].[Connection] ([ID])

ON UPDATE CASCADE

ON DELETE CASCADE

ALTER TABLE [dbo].[Description] CHECK CONSTRAINT [FK\_Description\_Connection]

/\*\*\*\*\*\* Object: ForeignKey [FK\_Icon\_Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF NOT EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_Icon\_Connection]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[Icon]'))

ALTER TABLE [dbo].[Icon] WITH CHECK ADD CONSTRAINT [FK\_Icon\_Connection] FOREIGN KEY([connID])

REFERENCES [dbo].[Connection] ([ID])

ON UPDATE CASCADE

ON DELETE CASCADE

ALTER TABLE [dbo].[Icon] CHECK CONSTRAINT [FK\_Icon\_Connection]

/\*\*\*\*\*\* Object: ForeignKey [FK\_Icon\_IconLibrary] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF NOT EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_Icon\_IconLibrary]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[Icon]'))

ALTER TABLE [dbo].[Icon] WITH CHECK ADD CONSTRAINT [FK\_Icon\_IconLibrary] FOREIGN KEY([iconLibraryID])

REFERENCES [dbo].[IconLibrary] ([ID])

ON UPDATE CASCADE

ON DELETE CASCADE

ALTER TABLE [dbo].[Icon] CHECK CONSTRAINT [FK\_Icon\_IconLibrary]

/\*\*\*\*\*\* Object: ForeignKey [FK\_IconCondition\_Connection1] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF NOT EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_IconCondition\_Connection1]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[IconCondition]'))

ALTER TABLE [dbo].[IconCondition] WITH CHECK ADD CONSTRAINT [FK\_IconCondition\_Connection1] FOREIGN KEY([connID])

REFERENCES [dbo].[Connection] ([ID])

ALTER TABLE [dbo].[IconCondition] CHECK CONSTRAINT [FK\_IconCondition\_Connection1]

/\*\*\*\*\*\* Object: ForeignKey [FK\_IconCondition\_Icon1] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF NOT EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_IconCondition\_Icon1]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[IconCondition]'))

ALTER TABLE [dbo].[IconCondition] WITH CHECK ADD CONSTRAINT [FK\_IconCondition\_Icon1] FOREIGN KEY([iconID])

REFERENCES [dbo].[Icon] ([ID])

ON UPDATE CASCADE

ON DELETE CASCADE

ALTER TABLE [dbo].[IconCondition] CHECK CONSTRAINT [FK\_IconCondition\_Icon1]

/\*\*\*\*\*\* Object: ForeignKey [FK\_Mapping\_Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF NOT EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_Mapping\_Connection]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[Mapping]'))

ALTER TABLE [dbo].[Mapping] WITH CHECK ADD CONSTRAINT [FK\_Mapping\_Connection] FOREIGN KEY([connID])

REFERENCES [dbo].[Connection] ([ID])

ON UPDATE CASCADE

ON DELETE CASCADE

ALTER TABLE [dbo].[Mapping] CHECK CONSTRAINT [FK\_Mapping\_Connection]

/\*\*\*\*\*\* Object: ForeignKey [FK\_Overlay\_Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF NOT EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_Overlay\_Connection]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[Overlay]'))

ALTER TABLE [dbo].[Overlay] WITH CHECK ADD CONSTRAINT [FK\_Overlay\_Connection] FOREIGN KEY([connID])

REFERENCES [dbo].[Connection] ([ID])

ON UPDATE CASCADE

ON DELETE CASCADE

ALTER TABLE [dbo].[Overlay] CHECK CONSTRAINT [FK\_Overlay\_Connection]

/\*\*\*\*\*\* Object: ForeignKey [FK\_OverlayCondition\_Connection] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF NOT EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_OverlayCondition\_Connection]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]'))

ALTER TABLE [dbo].[OverlayCondition] WITH CHECK ADD CONSTRAINT [FK\_OverlayCondition\_Connection] FOREIGN KEY([connID])

REFERENCES [dbo].[Connection] ([ID])

ALTER TABLE [dbo].[OverlayCondition] CHECK CONSTRAINT [FK\_OverlayCondition\_Connection]

/\*\*\*\*\*\* Object: ForeignKey [FK\_OverlayCondition\_Overlay] Script Date: 04/22/2010 13:31:45 \*\*\*\*\*\*/

IF NOT EXISTS (SELECT \* FROM sys.foreign\_keys WHERE object\_id = OBJECT\_ID(N'[dbo].[FK\_OverlayCondition\_Overlay]') AND parent\_object\_id = OBJECT\_ID(N'[dbo].[OverlayCondition]'))

ALTER TABLE [dbo].[OverlayCondition] WITH CHECK ADD CONSTRAINT [FK\_OverlayCondition\_Overlay] FOREIGN KEY([overlayID])

REFERENCES [dbo].[Overlay] ([ID])

ON UPDATE CASCADE

ON DELETE CASCADE

ALTER TABLE [dbo].[OverlayCondition] CHECK CONSTRAINT [FK\_OverlayCondition\_Overlay]