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# Introduction

## Scope

This document is the Database definition document (ERD) for the BII infrastructure and applications.

If any portion of this document is in conflict with a higher level specification or document, the higher level specification or document shall take precedence.

The document will be updated as the development process will progress – any new features will have to be backed up and covered in this document before getting forward with its design and development.

## Purpose

This document describes the database objects, their aim, fields descriptions and relations.

Each object\table will contain its creation script.

This document is organized into two major sections:

Section 1 Provides references, acronyms, definitions, and an overview of the TMS – O&M Interface.

Section 2 Defines the DB tables.

## References

* Architecture concept document
* BIS BII Specification version 2, 06 December 2012

## Definitions, Abbreviations, & Acronyms

|  |  |
| --- | --- |
| DB | Database |
| SP | Stored Procedure |
| PK | Primary Key |
| SK | Secondary Key |
| Customer | Citizen which been registered to the system |

## 

## Overview

The infrastructure objects will design to support flexibility and scalability, this way adding functions and applications in the future will force almost no changes in the DB and DAL layers.

The objects and their PK, indexes and specification designed to support high performances and fast search capabilities.

The infrastructure tables will only be accessible throw the DAL layer, which will contain physical objects which support and manipulate the data in the DB. Part of the Data will be saved and managed in a cache mechanism to be reachable with minimum use of resources.

### Customers (CUSTOMERS)

Customers table will contain all the information, data and parameters on the registered user

Some of the fields will only save pointers to specific tables which contain additional data.

See table 2-1

### Customer's Biometric Data (CUS\_BIODATA)

Will contain all Biometric data for registered customer, the table will contain information regards all the biometric types this customer has registered for. Any future updates for the customer biometric data will be added by the application (by definition supports unlimited biometric types)

See table 2-2

# BIM DB Tables

This section describes the database schema of the BII.

## Table ‑ Customers – [CUSTOMERS]

|  |  |  |  |
| --- | --- | --- | --- |
| Table name: | **CUSTOMERS** |  |  |
| **Name** | **Data Type** | **Req** | **Description** |
| **CUSID** | AUTONUMBER |  | (Unique, sequenced) |
| CUSFNAME | NVARCHAR(200) |  | Customer First Name |
| CUSMNAME | NVARCHAR(200) |  | Customer Middle Name |
| CUSLNAME | NVARCHAR(200) |  | Customer Last Name |
| CUSGENDER | TINYINT |  | 0 – Undefined,  1 – Male,  2 – Female |
| CUSTBIRTHDATE | DATETIME |  | Customer Date of Birth |
| CUSTBIRTHPLACE | NVARCHAR(255) |  | Customer Place of Birth |
| CUSCITIZENSHIP | NVARCHAR(255) |  | Customer Place of Citizenship |
| CUSCITIZENID | VARCHAR(12) |  | Customer Identification Number (Pasport number, Driver’s license, Social Security, etc.) |
| CUSSTREET | NVARCHAR(255) |  | Street and Number |
| CUSCITY | NVARCHAR(255) |  | City |
| CUSZIP | VARCHAR(12) |  | Zip Code |
| CUSSTATE | NVARCHAR(255) |  | State |
| CUSCOUNTRY | NVARCHAR(255) |  | Country |
| CUSREGION | NVARCHAR(255) |  | Region |
| CUSDISTRICT | NVARCHAR(255) |  | District |
| CUSCONSTITUENCY | NVARCHAR(255) |  | Constituency |
| CUSPHONE | VARCHAR(100) |  | Main Phone Number |
| CUSMOBILE | VARCHAR(100) |  | Mobile Phone Number |
| CUSFAX | VARCHAR(100) |  | Fax Number |
| CUSADDPHONE1 | VARCHAR(100) |  | Additional Phone Number 1 |
| CUSEMAIL | VARCHAR(255) |  | Email Address |
| CUSWEBADDRESS | VARCHAR(255) |  | Web Site or TCP/IP Address |
| CUSNOTES | NTEXT |  | Notes |
| CUSACTIVE | TINYINT |  | 1 - Active, 0 – Not Active |
| CUSSTATUS | VARCHAR(24) |  | Customer Status |
| CUSLASTUPDATE | DATETIME |  | Last update date |
| CUSENTITYID | UNIQUEIDENTIFIER |  | Uniqueidentifier of the record |

**SQL CREATE Script:**

USE [Bio\_Metrica]

GO

/\*\*\*\*\*\* Object: Table [dbo].[CUSTOMERS] Script Date: 12/12/2012 12:45:43 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[CUSTOMERS](

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

[CUSFNAME] [nvarchar](200) NOT NULL,

[CUSMNAME] [nvarchar](200) NOT NULL,

[CUSLNAME] [nvarchar](200) NOT NULL,

[CUSGENDER] [tinyint] NOT NULL,

[CUSTBIRTHDATE] [datetime] NULL,

[CUSTBIRTHPLACE] [nvarchar](255) NULL,

[CUSCITIZENSHIP] [nvarchar](255) NOT NULL,

[CUSCITIZENID] [varchar](12) NOT NULL,

[CUSSTREET] [nvarchar](255) NOT NULL,

[CUSCITY] [nvarchar](255) NOT NULL,

[CUSZIP] [varchar](12) NOT NULL,

[CUSSTATE] [nvarchar](255) NOT NULL,

[CUSCOUNTRY] [nvarchar](255) NOT NULL,

[CUSREGION] [nvarchar](255) NOT NULL,

[CUSDISTRICT] [nvarchar](255) NOT NULL,

[CUSCONSTITUENCY] [nvarchar](255) NOT NULL,

[CUSPHONE] [varchar](100) NOT NULL,

[CUSMOBILE] [varchar](100) NOT NULL,

[CUSFAX] [varchar](100) NOT NULL,

[CUSADDPHONE1] [varchar](100) NOT NULL,

[CUSEMAIL] [varchar](255) NOT NULL,

[CUSWEBADDRESS] [varchar](255) NOT NULL,

[CUSNOTES] [ntext] NOT NULL,

[CUSACTIVE] [tinyint] NOT NULL,

[CUSSTATUS] [varchar](24) NOT NULL,

[CUSLASTUPDATE] [datetime] NOT NULL,

[CUSENTITYID] [uniqueidentifier] NOT NULL,

CONSTRAINT [CUSBY\_ID] PRIMARY KEY CLUSTERED

(

[CUSID] ASC

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

CONSTRAINT [CUSBY\_ENTID] UNIQUE NONCLUSTERED

(

[CUSENTITYID] ASC

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

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSFNAME]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSMNAME]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSLNAME]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ((0)) FOR [CUSGENDER]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSTBIRTHPLACE]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSCITIZENSHIP]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSCITIZENID]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSSTREET]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSCITY]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSZIP]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSSTATE]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSCOUNTRY]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSREGION]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSDISTRICT]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSCONSTITUENCY]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSPHONE]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSMOBILE]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSFAX]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSADDPHONE1]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSEMAIL]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSWEBADDRESS]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ((1)) FOR [CUSACTIVE]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ('') FOR [CUSSTATUS]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT ((0)) FOR [CUSLASTUPDATE]

GO

ALTER TABLE [dbo].[CUSTOMERS] ADD DEFAULT (newid()) FOR [CUSENTITYID]

GO

## 

## Table ‑2 Biometric Data Types – [BIOTYPES]

|  |  |  |  |
| --- | --- | --- | --- |
| Table name: | **BIOTYPES** | |  |
| **Name** | **Data Type** | **Req** | **Description** |
| **BDTID** | VARCHAR(24) |  | Biometric Data Type ID |
| **BDTDESCR** | NVARCHAR(255) |  | Biometric Data Type Description |
| BDTISIMAGE | TINYINT |  | Data is Image |
| BDTISBINARY | TINYINT |  | Data is Binary |
| BDTISTEXT | TINYINT |  | Data is Text |
| BDTNOTES | NTEXT |  | Notes |
| BDTASSEMBLY | VARCHAR(255) |  | DLL Name that Contains the SDK Wrapper |
| BDTCLASS | VARCHAR(255) |  | SDK Wrapper Class in the DLL |
| BDTENTITYID | UNIQUEIDENTIFIER |  | Uniqueidentifier of the record |

**SQL CREATE Script:**

USE [Bio\_Metrica]

GO

/\*\*\*\*\*\* Object: Table [dbo].[BIOTYPES] Script Date: 12/12/2012 22:26:19 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[BIOTYPES](

[BDTID] [varchar](24) NOT NULL,

[BDTDESCR] [nvarchar](255) NOT NULL,

[BDTISIMAGE] [tinyint] NOT NULL,

[BDTISBINARY] [tinyint] NOT NULL,

[BDTISTEXT] [tinyint] NOT NULL,

[BDTNOTES] [ntext] NOT NULL,

[BDTASSEMBLY] [varchar](255) NOT NULL,

[BDTCLASS] [varchar](255) NOT NULL,

[BDTENTITYID] [uniqueidentifier] NOT NULL,

CONSTRAINT [BDTBY\_ID] PRIMARY KEY CLUSTERED

(

[BDTID] ASC

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

CONSTRAINT [BDTBY\_ENTID] UNIQUE NONCLUSTERED

(

[BDTENTITYID] ASC

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

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

ALTER TABLE [dbo].[BIOTYPES] ADD DEFAULT ('') FOR [BDTID]

GO

ALTER TABLE [dbo].[BIOTYPES] ADD DEFAULT ('') FOR [BDTDESCR]

GO

ALTER TABLE [dbo].[BIOTYPES] ADD DEFAULT ((0)) FOR [BDTISIMAGE]

GO

ALTER TABLE [dbo].[BIOTYPES] ADD DEFAULT ((0)) FOR [BDTISBINARY]

GO

ALTER TABLE [dbo].[BIOTYPES] ADD DEFAULT ((0)) FOR [BDTISTEXT]

GO

ALTER TABLE [dbo].[BIOTYPES] ADD DEFAULT ('') FOR [BDTNOTES]

GO

ALTER TABLE [dbo].[BIOTYPES] ADD DEFAULT ('') FOR [BDTASSEMBLY]

GO

ALTER TABLE [dbo].[BIOTYPES] ADD DEFAULT ('') FOR [BDTCLASS]

GO

ALTER TABLE [dbo].[BIOTYPES] ADD DEFAULT (newid()) FOR [BDTENTITYID]

GO

## Table ‑3 Customer's Biometric Data – [CUS\_BIODATA]

|  |  |  |  |
| --- | --- | --- | --- |
| Table name: | **CUS\_BIODATA** | |  |
| **Name** | **Data Type** | **Req** | **Description** |
| **CBDCUSID** | INT |  | Customer ID |
| **CBDTYPE** | VARCHAR(24) |  | Biometric Data Type |
| CBDDATA | VARBINARY |  | Biometric Data Binary |
| CBDIMAGE | IMAGE |  | Biometric Data Image |
| CBDCLASSIFIER | VARCHAR(24) |  | Biometric Data Classifier |
| CBDNOTES | NTEXT |  | Biometric Data Notes |
| CBDENTITYID | UNIQUEIDENTIFIER |  | Uniqueidentifier of the record |

**SQL CREATE Script:**

USE [Bio\_Metrica]

GO

/\*\*\*\*\*\* Object: Table [dbo].[CUS\_BIODATA] Script Date: 12/12/2012 21:13:55 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[CUS\_BIODATA](

[CBDCUSID] [int] NOT NULL,

[CBDTYPE] [varchar](24) NOT NULL,

[CBDDATA] [varbinary](8000) NULL,

[CBDIMAGE] [image] NULL,

[CBDCLASSIFIER] [varchar](24) NULL,

[CBDNOTES] [ntext] NULL,

[CBDENTITYID] [uniqueidentifier] NOT NULL,

CONSTRAINT [CBDBY\_ENTID] PRIMARY KEY CLUSTERED

(

[CBDENTITYID] ASC

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

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

ALTER TABLE [dbo].[CUS\_BIODATA] ADD DEFAULT ('') FOR [CBDTYPE]

GO

ALTER TABLE [dbo].[CUS\_BIODATA] ADD DEFAULT (newid()) FOR [CBDENTITYID]

GO

## Table ‑4 Customer's Demographic Data – [CUS\_DEMODATA]

|  |  |  |  |
| --- | --- | --- | --- |
| Table name: | **CUS\_DEMODATA** |  |  |
| **Name** | **Data Type** | **Req** | **Description** |
| **CDDCUSID** | INT |  | Customer ID |
| **CDDTYPE** | VARCHAR(24) |  | Demographic Type |
| CDDDATA | NVARCHAR(255) |  | Demographic Data |
| CDDNOTES | NTEXT |  | Demographic Data Notes |
| CDDENTITYID | UNIQUEIDENTIFIER |  | Uniqueidentifier of the record |

**SQL CREATE Script:**

USE [Bio\_Metrica]

GO

/\*\*\*\*\*\* Object: Table [dbo].[CUS\_DEMODATA] Script Date: 12/12/2012 21:31:52 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[CUS\_DEMODATA](

[CDDCUSID] [int] NOT NULL,

[CDDTYPE] [varchar](24) NOT NULL,

[CDDDATA] [nvarchar](255) NULL,

[CDDNOTES] [ntext] NULL,

[CDDENTITYID] [uniqueidentifier] NOT NULL,

CONSTRAINT [CDDBY\_ENTID] PRIMARY KEY CLUSTERED

(

[CDDENTITYID] ASC

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

CONSTRAINT [CDDBY\_TYPE] UNIQUE NONCLUSTERED

(

[CDDCUSID] ASC,

[CDDTYPE] ASC

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

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

ALTER TABLE [dbo].[CUS\_DEMODATA] ADD DEFAULT ('') FOR [CDDTYPE]

GO

ALTER TABLE [dbo].[CUS\_DEMODATA] ADD DEFAULT ('') FOR [CDDDATA]

GO

ALTER TABLE [dbo].[CUS\_DEMODATA] ADD DEFAULT (newid()) FOR [CDDENTITYID]

GO

## Table ‑5 Customer's Physical Appearance Data [CUS\_PHYSAPP]

|  |  |  |  |
| --- | --- | --- | --- |
| Table name: | **CUS\_PHYSAPP** |  |  |
| **Name** | **Data Type** | **Req** | **Description** |
| **CPACUSID** | INT |  | Customer ID |
| **CPATYPE** | VARCHAR(24) |  | Physical Appearance Type |
| CPADATA | NTEXT |  | Physical Appearance Data |
| CPANOTES | NTEXT |  | Physical Appearance Data Notes |
| CPAENTITYID | UNIQUEIDENTIFIER |  | Uniqueidentifier of the record |

**SQL CREATE Script:**

USE [Bio\_Metrica]

GO

/\*\*\*\*\*\* Object: Table [dbo].[CUS\_PHYSAPP] Script Date: 12/12/2012 21:49:28 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[CUS\_PHYSAPP](

[CPACUSID] [int] NOT NULL,

[CPATYPE] [varchar](24) NOT NULL,

[CPADATA] [ntext] NULL,

[CPANOTES] [ntext] NULL,

[CPAENTITYID] [uniqueidentifier] NOT NULL,

CONSTRAINT [CPABY\_ENTID] PRIMARY KEY CLUSTERED

(

[CPAENTITYID] ASC

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

) ON [PRIMARY] TEXTIMAGE\_ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

ALTER TABLE [dbo].[CUS\_PHYSAPP] ADD DEFAULT ('') FOR [CPATYPE]

GO

ALTER TABLE [dbo].[CUS\_PHYSAPP] ADD DEFAULT (newid()) FOR [CPAENTITYID]

GO

## Table ‑6 User's Profiles – [PROFILES]

|  |  |  |  |
| --- | --- | --- | --- |
| Table name: | **PROFILES** |  |  |
| **Name** | **Data Type** | **Req** | **Description** |
| **PRFID** | VARCHAR(24) |  | User ID |
| **PRFNAME** | NVARCHAR(255) |  | User Name |
| PRFPASSWORD | VARCHAR(24) |  | Password |
| PRFLEVEL | SMALLINT |  | User Level |
| PRFADMIN | TINYINT |  | Is Administrator |
| PRFDEVELOPER | TINYINT |  | Is Developer |
| PRFSERVER | TINYINT |  | Is Server |
| PRFENTITYID | UNIQUEIDENTIFIER |  | Uniqueidentifier of the record |

**SQL CREATE Script:**

USE [Bio\_Metrica]

GO

/\*\*\*\*\*\* Object: Table [dbo].[PROFILES] Script Date: 12/12/2012 22:35:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[PROFILES](

[PRFID] [varchar](24) NOT NULL,

[PRFNAME] [nvarchar](255) NOT NULL,

[PRFPASSWORD] [varchar](24) NOT NULL,

[PRFLEVEL] [smallint] NOT NULL,

[PRFADMIN] [tinyint] NOT NULL,

[PRFDEVELOPER] [tinyint] NOT NULL,

[PRFSERVER] [tinyint] NOT NULL,

[PRFENTITYID] [uniqueidentifier] NOT NULL,

CONSTRAINT [PRFBY\_ID] PRIMARY KEY CLUSTERED

(

[PRFID] ASC

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

CONSTRAINT [PRFBY\_ENTITYID] UNIQUE NONCLUSTERED

(

[PRFENTITYID] ASC

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

) ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

ALTER TABLE [dbo].[PROFILES] ADD DEFAULT ('') FOR [PRFID]

GO

ALTER TABLE [dbo].[PROFILES] ADD DEFAULT ('') FOR [PRFNAME]

GO

ALTER TABLE [dbo].[PROFILES] ADD DEFAULT ('') FOR [PRFPASSWORD]

GO

ALTER TABLE [dbo].[PROFILES] ADD DEFAULT ((0)) FOR [PRFLEVEL]

GO

ALTER TABLE [dbo].[PROFILES] ADD DEFAULT ((0)) FOR [PRFADMIN]

GO

ALTER TABLE [dbo].[PROFILES] ADD DEFAULT ((0)) FOR [PRFDEVELOPER]

GO

ALTER TABLE [dbo].[PROFILES] ADD DEFAULT ((0)) FOR [PRFSERVER]

GO

ALTER TABLE [dbo].[PROFILES] ADD DEFAULT (newid()) FOR [PRFENTITYID]

GO

## Table ‑7 Widgets – [WIDGETS]

|  |  |  |  |
| --- | --- | --- | --- |
| Table name: | **WIDGETS** |  |  |
| **Name** | **Data Type** | **Req** | **Description** |
| **WDGID** | VARCHAR (24) |  | Widget ID |
| **WDGTYPE** | VARCHAR (24) |  | Widget Type |
| **WDGDESCR** | NVARCHAR (255) |  | Widget Description |
| WDGUSELEVEL | SMALLINT |  | Widget Use Level |
| WDGCONFIGLEVEL | SMALLINT |  | Widget Config Level |
| WDGADMIN | TINYINT |  | Is For Administrator use only |
| WDGOFF | TINYINT |  | Is Widget Off Use |

**SQL CREATE Script:**

USE [Bio\_Metrica]

GO

/\*\*\*\*\*\* Object: Table [dbo].[WIDGETS] Script Date: 12/12/2012 22:47:02 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[WIDGETS](

[WDGID] [varchar](24) NOT NULL,

[WDGTYPE] [varchar](24) NOT NULL,

[WDGDESCR] [nvarchar](255) NOT NULL,

[WDGUSELEVEL] [smallint] NOT NULL,

[WDGCONFIGLEVEL] [smallint] NOT NULL,

[WDGADMIN] [tinyint] NOT NULL,

[WDGOFF] [tinyint] NOT NULL,

CONSTRAINT [WDGBY\_ID] PRIMARY KEY CLUSTERED

(

[WDGID] ASC

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

) ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

ALTER TABLE [dbo].[WIDGETS] ADD DEFAULT ('') FOR [WDGID]

GO

ALTER TABLE [dbo].[WIDGETS] ADD DEFAULT ('') FOR [WDGTYPE]

GO

ALTER TABLE [dbo].[WIDGETS] ADD DEFAULT ('') FOR [WDGDESCR]

GO

ALTER TABLE [dbo].[WIDGETS] ADD DEFAULT ((0)) FOR [WDGUSELEVEL]

GO

ALTER TABLE [dbo].[WIDGETS] ADD DEFAULT ((0)) FOR [WDGCONFIGLEVEL]

GO

ALTER TABLE [dbo].[WIDGETS] ADD DEFAULT ((0)) FOR [WDGADMIN]

GO

ALTER TABLE [dbo].[WIDGETS] ADD DEFAULT ((0)) FOR [WDGOFF]

GO

## Table ‑8 Tables Table – [TABTAB]

|  |  |  |  |
| --- | --- | --- | --- |
| Table name: | **TABTAB** |  |  |
| **Name** | **Data Type** | **Req** | **Description** |
| **TABID** | SMALLINT |  | Table ID |
| **TABDESCR** | NVARCHAR(255) |  | Table Description |

**SQL CREATE Script:**

USE [Bio\_Metrica]

GO

/\*\*\*\*\*\* Object: Table [dbo].[TABTAB] Script Date: 12/12/2012 22:52:06 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[TABTAB](

[TABID] [smallint] NOT NULL,

[TABDESCR] [nvarchar](255) NOT NULL,

CONSTRAINT [TABBY\_ID] PRIMARY KEY CLUSTERED

(

[TABID] ASC

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

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[TABTAB] ADD DEFAULT ((0)) FOR [TABID]

GO

ALTER TABLE [dbo].[TABTAB] ADD DEFAULT ('') FOR [TABDESCR]

GO

## Table ‑9 System Tables – [SYSTEMTAB]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table name: | **SYSTEMTAB** |  |  |  |
| **Name** | **Data Type** | **Req** | **Description** |  |
| **STBTABID** | SMALLINT |  | System Table ID | |
| **STBID** | VARCHAR(24) |  | Table Type ID | |
| **STBDESCR** | NVARCHAR(255) |  | Table Type Description | |
| STBENTITYID | UNIQUEIDENTIFIER |  | Uniqueidentifier of the record | |

**SQL CREATE Script:**

USE [Bio\_Metrica]

GO

/\*\*\*\*\*\* Object: Table [dbo].[SYSTEMTAB] Script Date: 12/12/2012 22:57:32 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[SYSTEMTAB](

[STBTABID] [smallint] NOT NULL,

[STBID] [varchar](24) NOT NULL,

[STBDESCR] [nvarchar](255) NOT NULL,

[STBENTITYID] [uniqueidentifier] NOT NULL,

CONSTRAINT [STBBY\_ID] PRIMARY KEY CLUSTERED

(

[STBTABID] ASC,

[STBID] ASC

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

) ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

ALTER TABLE [dbo].[SYSTEMTAB] ADD DEFAULT ((0)) FOR [STBTABID]

GO

ALTER TABLE [dbo].[SYSTEMTAB] ADD DEFAULT ('') FOR [STBID]

GO

ALTER TABLE [dbo].[SYSTEMTAB] ADD DEFAULT ('') FOR [STBDESCR]

GO

ALTER TABLE [dbo].[SYSTEMTAB] ADD DEFAULT (newid()) FOR [STBENTITYID]

GO