

# **VImpX quick reference guide.**

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## **Edition Information**

This document refers to **VImpX** version 4.9.3.0

## INTRODUCTION

Visual Importer ActiveX loads data into any database. It is the only product on the market with such a wide support for databases. It uses native API for all of them which give the user great performance – thousands of records per second.

### Data targets:

- Oracle,
- SQL server,
- PostgreSQL,
- MySQL,
- Interbase or Firebird,
- ODBC source.

### Data sources:

- Multiple Delimited or Fixed width Text files,
- Multiple Excel files + Multiple Excel Spreadsheets,
- Multiple MS Access Databases,
- Multiple DBF Files,
- Any ODBC source,
- MS SQL Server,
- Oracle,
- PostgreSQL,
- MySQL,
- Interbase or Firebird,
- Multiple Tables,

Most of commercial applications work with the databases. One of the standard requirements is the ability to load data from external sources such as flat files or ODBC sources. In fact it is one of the most complicated parts of the application.

The issue becomes even more difficult if the software should work with different databases. Import routine one of the major component of any software package. Visual Importer ActiveX allows cutting the time of development by months.

Creating an Import routine requires a deep knowledge of databases API and it is next to impossible to find an expert with the experience of working with several databases.

By integrating one of DB Software Laboratory ActiveX into your own application you can quickly introduce fully functional universal import routine and **cut the time and the cost** required for the development of your own.

## 1. Requirements

Below is a List of Software that must be installed before installation of VimpX:

Software	Version		Notes
Microsoft Windows	98 or higher		
MDAC	2.6 or higher	Part of OS on W2K, XP, Vista.	
MS Excel ODBC driver	4.00.6305.00 or higher	Part of OS on W2K, XP, Vista.	Only to import data from Excel 3.0-2003 files
MS Excel 2007 ODBC driver	12.00.4518.1014 or higher	Separate download	Only to import data from Excel 2007 files
MS Access ODBC driver	4.00.6364.00 or higher	Part of OS on W2K, XP, Vista.	Only to load data from MS Access 95-2003 Databases
MS Access 2007 ODBC driver	12.00.4518.1014 or higher	Separate download	Only to load data from MS Access 2007 Databases
FoxPro ODBC driver	6.1.8629.1 or higher	Separate download	Only to load data from DBF/FoxPro Files
SQL ODBC driver	2000.81.9041.40	Part of OS on W2K, XP, Vista.	Only to import data into MS SQL Server 7/2008
Interbase client		GDS32.DLL	Only to work with Interbase or Firebird Databases
Oracle Client	7.3.4 or higher	Provided by Oracle	Only to import data into Oracle Databases

### Separate Downloads:

FoxPro ODBC driver

<http://msdn.microsoft.com/en-us/vfoxpro/bb190233.aspx>

Office 2007 Data Access Components

<http://www.microsoft.com/downloads/details.aspx?FamilyID=7554F536-8C28-4598-9B72-EF94E038C891&displaylang=en>

### Working with Oracle:

Oracle client 8.1.7 to load data into/from Oracle

Or

Oracle client 9 to load data into/from Oracle

Or

Oracle client 10 to load data into/from Oracle

Or  
Oracle client 11 to load data into/from Oracle

**Note:**

*Depending on the Requirements you may or may not need to have all components installed  
There is no need to install clients for MySql and PostgreSQL they are integrated into the  
software itself.*

## 2. Methods

### **Procedure SetScript(const Value: WideString)**

Use to assign Script to VImpX

If ParseConnection is true

VImpX connects to the target database and retrieves list of fields

VImpX connects to the datasource and displays data

### **Procedure LoadData**

Use to load data into database

### **Procedure SaveToDb**

### **Procedure AboutBox**

Use to display about box

### **Procedure ClearLogFile**

Use to clear log file

### **Procedure ClearRejectedFile**

Use to clear rejected file

### **Procedure ClearSqlBefore**

Use to clear sql before

### **Procedure ClearSqlAfter**

Use to clear sql after

### **Procedure ClearMappings**

Use to clear all mappings between source and target database

### **Procedure UpdateFieldsList**

Use to refresh list of target table fields

### **Procedure UpdateSourceData**

Use UpdateSourceTable to refresh source data

### **Procedure LoadFromFile(const FileName: WideString)**

Use to load script from file

### **Procedure SaveToFile(const FileName: WideString)**

Use to Save script to the file

## 3. Properties

### ***Target Database***

#### **Property TargetType**

Use to specify type of target database

- 0 = dtNone
- 2 = dtODBC
- 6 = dtSqlServer
- 7 = dtOracle
- 9 = dtMySql
- 10 = dtPostgreSQL
- 11 =dtInterbase

#### **Property TargetServer**

When Target type is

Oracle - TNS NANE

MS Sql Server – server name

ODBC – ODBC Dsn or connection string

#### **Example:**

```
VImpAX1.TargetType = dtOracle;  
VImpAX1.TargetServer='ORCL';  
VImpAX1.TargetDatabase='';  
VImpAX1.TargetUserName='scott';  
VImpAX1.TargetPassword='tiger';
```

#### **Example using ODBC Connection string:**

```
VImpAX1.TargetType = dtODBC  
VImpAX1.TargetServer='uid=sa;pwd=;driver={SQL Server};server=(local);database=demo;'  
VImpAX1.TargetDatabase='';  
VImpAX1.TargetUserName=''; -- must be blank when using odbc connection string  
VImpAX1.TargetPassword=''; -- must be blank
```

#### **Property TargetDatabase**

Use TargetDatabase to specify database name for MS Sql Server, PostgreSQL, MySql or Interbase.

#### **Property TargetPort**

Use TargetPort to specify tcp/ip port for PostgreSQL or MySql.

### **Property TargetUserName**

Use TargetUserName to specify user name for target connection.

Note:

*Leave it blank if you want to use ODBC connection string*

### **Property TargetPassword**

Use TargetPassword to specify Password for target connection.

Note:

*Leave it blank if you want to use ODBC connection string*

### **Property TargetTable**

Use TargetTable to specify table to load data into.

## **Data Source**

### **Property SourceType**

- 0 = dsNone
- 1 = dsText
- 2 = dsODBC
- 3 = dsDbf
- 4 = dsAccess
- 5 = dsExcel
- 6 = dsSqlServer
- 7 = dsOracle
- 9 = dsMySql
- 10 = dsPostgreSQL
- 11 = dsInterbase

### **Property SourceFile**

Use SourceFile to specify file to load data from.

### **Property SourceFileDelimited**

Use SourceFileDelimited to specify whether source file is delimited or not.

### **Property SourceFileDelimiter**

Use SourceFileDelimiter to specify delimiter for source file.

### **Property SourceFileQuote**

Use SourceFileQuote to specify Quote for source file.

### **Property SourceFileHeaderLines**

Use SourceFileHeaderLines to specify how many lines to skip at the beginning of the file before loading data.

### **Property SourceFileFooterLines**

Use SourceFileFooterLines to specify how many lines to skip at the end of the file.

### **Property SourceFileCrossTable**

Use SourceFileCrossTable to specify whether source file is Cross/Pivot table or not.

### **Property SourceFileFirstField**

Use SourceFileFirstField to specify starting point of Cross/Pivot table.

### **Property SourceFileBlocks**

Use SourceFileBlocks to specify number of blocks within Cross/Pivot table.

### **Property SourceFileBlockLength**

Use SourceFileBlockLength to specify length of block within Cross/Pivot table.

### **Property SourceDirectory**

Use SourceDirectory to specify directory to load data from.

### **Property SourceFileUseMask**

Use SourceFileUseMask to specify whether use mask to find files to load data from or not.

### **Property SourceFileMask**

Use SourceFileMask to specify mask to find files to load data from.

### **Property SourceServer**

When Source type is

Oracle - TNS NANE or Instant Client Connection String

MS Sql Server – server name

ODBC – ODBC Dsn or connection string

#### **Example:**

```
VImpAX1. SourceType = dsOracle;  
VImpAX1.SourceServer="ORCL";  
VImpAX1.SourceDatabase="";  
VImpAX1.SourceUserName="scott";  
VImpAX1.SourcePassword="tiger";
```

#### **Example using ODBC Connection string:**

```
VImpAX1. SourceType = dtODBC  
VImpAX1.SourceServer='uid=sa;pwd=;driver={SQL Server};server=(local);database=demo;'  
VImpAX1.SourceDatabase="";  
VImpAX1.SourceUserName=""; -- must be blank when using ODBC connection string  
VImpAX1.SourcePassword=""; -- must be blank
```

### **Property SourceDatabase**

Use SourceDatabase to specify database name for MS Sql Server, PostgreSQL, MySql or Interbase.

### **Property SourcePort**

Use Port to specify tcp/ip port for PostgreSQL or MySql.

### **Property SourceUserName**

Use SourceUserName to specify user name for source connection.

Note:

*Leave it blank if you want to use ODBC connection string*

### **Property SourcePassword**

Use SourcePassword to specify password for source connection.

Note:

*Leave it blank if you want to use ODBC connection string*

### **Property SourceTable**

Use SourceTable to specify table to display data from.

For example User could specify several tables to load data from in SourceTables and only one to display in SourceTable.

### **Property SourceTables**

Use SourceTables to specify tables to load data from

Tables' names must be delimited by semicolon.

### **Property SourceIsTable**

Use SourceIsTable to specify whether source is a table or SQL Statement.

### **Property SourceSelectStatement**

Use SourceSelectStatement to specify SQL Statement to load data from.

### **Property SourceUseMask.**

Use SourceUseMask to specify whether use mask to find files to load data from or not.

### **Property SourceShowSystemTables**

Use SourceShowSystemTables to specify whether to show system tables in Data Source dialog or not.

### **Property SourceMask**

Use SourceMask to specify mask to find tables to load data from.

## **Miscellaneous**

### **Property LogFile**

Use LogFile to specify file to save messages into.

### **Property ParseConnection**

Use ParseConnection to specify whether to parse Source/Target connection parameters when Script is loaded or assigned via SetScript.

### **Property Script (ReadOnly)**

Use Script to get current script loaded

### **Property DisableTargetDB**

Use DisableTargetDB to stop user from changing target connection properties via interface.

### **Property ShowSaveToDB**

Use ShowSaveToDB to show/hide Save to Database button

### **Property DisableDataSource**

Use DisableTargetDB to stop user from changing Source connection properties via interface.

### **Property UpdateTablesList**

### **Property HideLogTab**

Use ShowSaveToDB to show/hide Save to Database button

### **Property HideRejectedTab**

Use HideRejectedTab to show/hide Rejected Records Tab.

### **Property HideSqlTab**

Use HideSqlTab to show/hide Sql Tab.

### **Property HideScriptTab**

Use HideScriptTab to show/hide Script Tab.

### **Property HideSourceToolBar**

Use HideSourceToolBar to show/hide Source Tool Bar.

### **Property HideTargetToolBar**

Use HideTargetToolBar to show/hide Target Tool Bar.

### **Property Visible**

Use Visible to show/hide VImpx ActiveX.

### **Property RejectedRecordsFile**

Use RejectedRecordsFile to specify file to save rejected records into.

**Property RejectedRecordsFileQualifier****Property RejectedRecordsFileDelimiter****Property Theme**

Use Theme to change visual appearance of VImpx

0 – Standart

1- XPBlue

2- XPSilver

3 -XPOlive

**4. Example**

```
// force VImpX not to use connection from the script file VImpAX1.ParseConnection:=false;
//Stops user from changing connection parameters through the interface
VImpAX1.DisableTargetDB:=true;
VImpAX1.DisableDataSource:=true;
//Hides Script and Sql tabs
VImpAX1.HideScriptTab:=true;
VImpAX1.HideSqlTab:=true;

// specify Target
VImpAX1.TargetType:=1; //- dtSqlServer
VImpAX1.TargetServer:='Server1';
VImpAX1.TargetDatabase:='db11';
VImpAX1.TargetUserName:='user1';
VImpAX1.TargetPassword:='blah';
VImpAX1.TargetTable:='mytable';

//Load Script From file
VImpAX1.LoadFromFile('c:\myscript.txt');
// specify Source
VImpAX1.SourceType:=0; //- dstext
VImpAX1.SourceFile:='c:\1.txt';
VImpAX1.SourceFileDelimited:=true;
VImpAX1.SourceFileDelimiter:=',';
VImpAX1.LogFile:='c:\1.log';
VImpAX1.RejectedRecordsFile:='c:\rej1.log';

VImpAX1.LoadData;
```

## 5. Support Procedure

We welcome your suggestions and comments to make our software better. Please do contact us through email or visit our website

### For General Sales and License Queries

Email to: [sales@dbsoftlab.com](mailto:sales@dbsoftlab.com)

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Support Forum: <http://www.dbsoftlab.com/index.php/Support-Forum/>

Email To: [support@dbsoftlab.com](mailto:support@dbsoftlab.com)

**Online Contact Form:** <http://www.dbsoftlab.com/index.php/Contact-Us/>

While submitting a bug or problem please include the following to make it easier to solve the problem as soon as possible:

- All the symptoms of a Problem
- Exact steps required to reproduce it
- Version number
- Operation system version
- Database version
- Log files
- Script
- SQL Script to create tables
- Screenshots

We intend to resolve 90 percent of the reported problems with in 48 hours. Most difficult issues or functionality extension are resolved with in one week

## 6. License Agreement

**VImpX** by  
**Visual Importer** by  
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www.dbsoftlab.com  
info@dbsoftlab.com

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Users with a fully paid annual maintenance fee get the following benefits:

Priority Support

Free software enhancements, updates and upgrades during the maintenance period

Advanced and exclusive notification of software promotions

"Maintenance Owner ONLY" product promotions

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