

## User Guide for Plug-in

**Release Date October 16, 2012**

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## Introduction

This plug-in will be used for the purpose of dynamic table creation. It will create the table in the database at run time if the table does not exist. It has removed the dependency of the schema to the database target. There is no need to create the database schema; the plug-in will use the source XML data for the schema of database table.

## Plug-in Architecture

This plug-in consumes the source stream then parses the XML data and creates the table script. Let's use an example for the use cases of this plug-in.

### Source XML

```
<Root>
<Record>
<Name>Rahul</Name>
<Age>23</Age>
<Id>2323</Id>
</Record>
<Record><Record>
<Name>Manish</Name>
<Age>30</Age>
<Id>2325</Id>
</Record>
</Root>
```

### Table Information

The child name of the <Root> node is being used as the table name and the children of <Record> node are used as the column name of the table. The datatype of all columns are the same "varchar" having column length 200. Here is the generated script for the table.

```
CREATE TABLE Record("Name" varchar(200),"Age" varchar(200),"ID" varchar(200))
```

### Table Data

Two records will be inserted into the **Record** table.

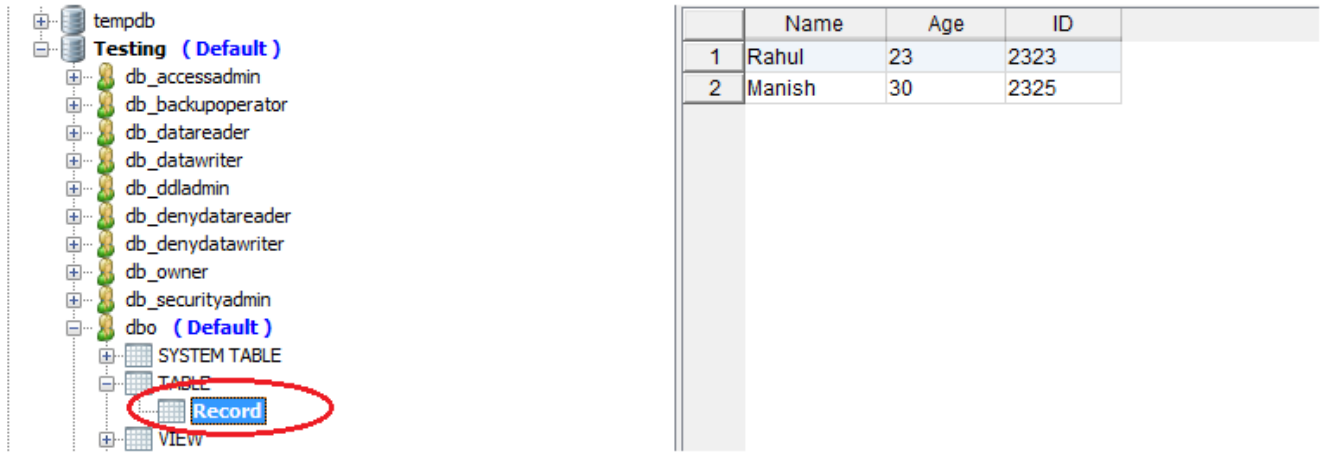


Figure 1.0

**Note:** This plug-in does not support the hierarchical XML data.

## Integration of Plug-in

To integrate this plug-in with Adeptia, user need to pass value of “databaseInfoName” variable in the plug-in as the database info name.

```

PreparedStatement psStmt = null;
Statement checkStmt = null;
ResultSet checkResultSet = null;
String databaseInfoName = "SQL_Server_Localhost";
NodeList childnodes = null;
NodeList parentNode = null;
Node firstParent = null;
Document doc = null;
StringBuffer tempXml = null;
String xmlData = null;
String infoTableName = "";
String tableName = "";

```

Figure 1.1

## Supported Databases

1. Microsoft SQL Server
2. Oracle
3. MySql