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Description:

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to end Hands-on Beginner's Guide for Qlikview implementations. The document focuses on. Qlikview Sales History Dashboard Join our professional training program and learn from experts.

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Oracle as data source

Oracle as data source this allows Qlikview reports to directly access a database data-source like oracle data source . Qlikview, by default, loads all required data up-front into its own in-memory column-store database, but oracle as a data source feature allows it to in addition retrieve data from an SQL data source, on-demand, to supplement this in-memory

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dataset. This should allow larger datasets to be accessed from within Qlikview reports Makes corporate data easier for business users to access. This feature provides a common infrastructure for producing and delivering enterprise reports, scorecards, dashboards, ad-hoc analysis, and OLAP analysis Includes rich visualization, interactive dashboards, a vast range of animated charting options, OLAP-style interactions and innovative search, and actionable collaboration capabilities to increase user adoption and reduces cost with a proven Web-based service-oriented architecture that integrates with existing IT infrastructure.

Oracle database

An Oracle database is a collection of data treated as a unit. The purpose of a database is to store and retrieve related information.

We take Oracle as a front end tool and QlikView as a back end tool for generate the report by using the interface oledb.

OLE DB

OLE DB (Object Linking and Embedding, Database, sometimes written as OLEDB or OLE-DB), an API designed by Microsoft, allows accessing data from a variety of sources in a uniform manner.

Require Prerequisite

These are the prerequisite for creating connection between oracle data source and QlikView.

1. Oracle 10g or more then 10 g edition should installed in your machine, Because this version works with OCI and OLEDB, you need both .

2. Oracle client 10 g or more then 10 g should installed in you machine.

Oracle Client:

The client is used to connect to Oracle databases running on other machines. In Oracle 10g edition it already installed with the oracle set up but in Oracle 11g we have to install the client separately.

OCI:

The Oracle Call Interface (OCI) consists of a set of C-language software APIs which provide an interface to the Oracle database.OCI offers a procedural API for not only performing certain database administration tasks (such as system startup and shutdown), but also for using PL/SQL or SQL to query, access, and manipulate data. The OCI library, based on Oracle's undocumented User Programmatic Interface (UPI), acts as an "interpreter" between applications and the low-level database network protocol.

The OCI connection protocol is backwards compatible to 8i when first implemented by Oracle. Use the most current connector from Oracle which includes the current MS OS OLE DB from Oracle and includes Oracle's OCI. This will create the best connection for the data pulls.

Connection

If you fulfill all the requirements then you can move through establish the connection of QlikView with oracle.

Step 1) Open the QlikView app and give the name Sales_History or you wants to give.

Step 2) Then go to the script Editor window and check the database interface should be OLEDB and then click on the connect option.

| Data Functions Variables | Settings | | |
|--------------------------------------|---|---|---|
| Database OLE DB I Force 32 Bit | Connect Select | Data from Files Relative Paths Use FTP | Table Files QlikView File Web Files |
| | | | Field Data |

Step 3)This will open the Data Link Properties window this having the set of providers choose the provider 'Oracle provider for OLEDB' then click the Next option.

| Data Lin | nk Properties | × | |
|--|--|---------------|---|
| Provider | Connection Advanced All | | |
| Select th | he data you want to connect to: | | |
| OLE | DB Provider(s) | * | |
| Micro Micro Micro Micro Micro Micro Micro Micro Micro Micro | osoft OLE DB Provider for Analysis Services 9.0 osoft OLE DB Provider For Data Mining Services osoft OLE DB Provider for Indexing Service osoft OLE DB Provider for ODBC Drivers osoft OLE DB Provider for OLAP Services 8.0 osoft OLE DB Provider for Oracle osoft OLE DB Provider for Search osoft OLE DB Provider for SQL Server osoft OLE DB Simple Provider | E | |
| OLE | DB Provider for Microsoft Directory Services le Provider for OLE DB | - | |
| • | III | • | |
| | Ne OK Cancel | xt >> Help | |
| | | | _ |

Step 4)The in the connection tab give the data source name as you have given during installation and then the user name and password from which you logged on the oracle as a user.

| Data Link Properties | × |
|---|--|
| | |
| Provider Connection Adva | anced All |
| Specify the following to conr | nect to ODBC data: |
| 1. Specify the source of da | ata: |
| Ose data source r | name |
| | ✓ Refresh |
| llas connection d | tion |
| Connection string: | r anng |
| | Build |
| | |
| 2. Enter information to log | on to the server |
| User name: | |
| Password: | |
| Blank password | Allow saving password |
| blank poenoid | |
| 3. Enter the initial catalog | to use: |
| | |
| | |
| | Test Connection |
| | |
| | |
| | OK Cancel Help |
| | |
| snan shot is shown here | e where you have give the name of your data source |
| | |
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And the user name and password which you giving in the oracle while creating the connection.

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| Connection N Connection D | Connection Name | demo | |
|---------------------------|-------------------|-----------|-------------------------|
| | <u>U</u> sername | system | |
| | Password | ••••• | |
| | Save Password | | |
| | Oracle Access | | |
| | Role | default 👻 | OS Authentication |
| | Connection Type | Basic 👻 | Kerberos Authentication |
| | | | Proxy Connection |
| | Hostn <u>a</u> me | localhost | |
| | Port | 1521 | |
| | ID SID | ord | |
| | O Service name | | |
| | | | |
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| tatus : | | | |

Step 5)After hit the test connection button the notification will come which display that Test connection succeeded then click on the ok.

| Microsoft Data Link | |
|----------------------------|--|
| Test connection succeeded. | |
| ОК | |

Step 6)Then another OraOLEDB Logon window will open which ask for the user id, password and server name.Server name will be same as the data source name then ->ok.

| DraOLEDB Logon | |] | | |
|--|--|-------------------|--|---|
| User ID: | SYSTEM | | | |
| Password: | ••••• | | | |
| Server: | orcl | | | |
| ОК | Cance | el | | |
| | | | | |
| p 7)Now Go to the | select option in Ed | it script window. | | |
| p 7)Now Go to the Data Functions | select option in Ed | it script window. | | |
| p 7)Now Go to the Data Functions Database | select option in Ed Variables Settings | it script window. | Data from Files — | |
| ep 7)Now Go to the Data Functions Database OLE DB | select option in Ed: Variables Settings | it script window. | Data from Files | Table Files |
| p 7)Now Go to the Data Functions Database OLE DB | select option in Ed: Variables Settings | it script window. | Data from Files Relative Paths Use FTP | Table Files QlikView File |
| ep 7)Now Go to the Data Functions Database OLE DB V Force 32 Bit | select option in Ed: Variables Settings | it script window. | Data from Files Relative Paths Use FTP | Table Files QlikView File Web Files |

Step 7) From the owner you can select on which schema you have to work. A schema is a collection of logical structures of data, or schema objects. A schema is owned by a database user and has the same name as that user. Each user owns a single schema.

| Database Owner SH EXFSYS FLOWS_FILE (HR V Tables Views MDDATA Views MDDATA MDSYS Synonyms GE OLAPSYS Aliases ORACLE_OC ORDDATA ORDPLUGIN ORDSYS OUTLN OWBSYS_AL PM SCDTT | LES EW INS | | Driver Support |
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| SQL SELECT WMSYS | | | Preceding Load |
| FROM SH. "BXDB | | | |
| XS\$NULL | | Ψ. | Add |

Step 8)Now choose the schema and all the fields of the table will be explore to you. You can add more table by pressing add button present in the bottom side of the wizard.

| Data Source | Provider=OraOLEDB.Oracle.1;Pe | rsist Security Info=False;User ID=system;Data Source=orcl;Extended Pr | roperties="" | Connect |
|-------------------|--|---|---|--|
| Database Owner | SH | | | ✓ Diver |
| Owner | BH Database Tables STROPE_TABLE BUSINESS_DEAL CAL_MONTH_SALES_MV CHANNELS COSTS COUNTRIES CUSTOMERS DATANAME PROFITS PRONTIONS REGIONTARGET CT *BRIDGE_TABLE"; Now we have load the model as | Ciencel CHANNEL | Field: Text Dider Image: Contribution, FER Selauto Selauto Selauto Image: Contribution for Key Fields Image: | Support Support Column Row Structured Preceding Load Add |
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