

Schema Compare Adding Oracle Connections

Before comparing Oracle databases, you must add Oracle connections to the Workspace. The **Add Connection** functionality is accessed from the ribbon (the **Home** tab) or from the **Add Oracle Connection** link at the top left section of the Workspace.

On the **Add Connection** window, you can specify:

- **Connection Name.** A name for the Oracle connection.
- **Authentication type.** Indicates whether you want to use Oracle or operating system authentication. If **Oracle authentication** is specified, you also must complete the **Username** and **Password** fields.
- **Role.** Indicates the set of privileges associated with the connection. You can choose default, SYSDBA, or SYSOPER.

In the **Basic Settings** tab, you can choose the connection type and specify settings required by the connection. There are four connection type you can choose from:

- **Basic Connection.** Requires the name or IP of the host system for Oracle database, the port number and the service name. If the port number is **0**, the default port **1521** is used.
- **TNS Identifier.** Requires a connect identifier that exists in the Oracle **tnsnames.ora**. You cannot use this type of connection to establish a connection to a remote Oracle database. The file **tnsnames.ora** must exist on the local system.
- **Easy Connect.** Requires an easy-connect string for the Oracle database. The format of the easy-connect string is `username/password@[//]host[:port][/service_name]`

. Because the username and password are already included in the easy-connect string, the credentials specified at the top section of the **Add Connection** form are ignored when the easy-connect option is selected.

- **Service Descriptor.** Requires a connect descriptor in the format:

```
(DESCRIPTION =
  (ADDRESS_LIST =
    (ADDRESS =
      (PROTOCOL = TCP)(Host = <hostname>)(Port =
<port>)))
  (CONNECT_DATA = (SERVICE_NAME = <sid>))
)
```

The **Test Connection** link allows you to verify whether the settings are correct and the connection to Oracle database can be established. You can add Oracle connection to the workspace by clicking **OK**.

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