

Database - Client Connections

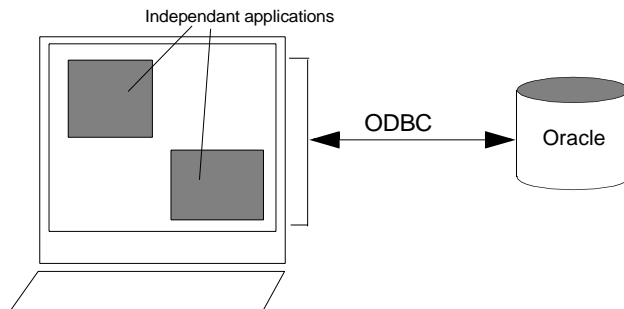
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Possible Client - Database Connections

Typical Client - Server Database Applications

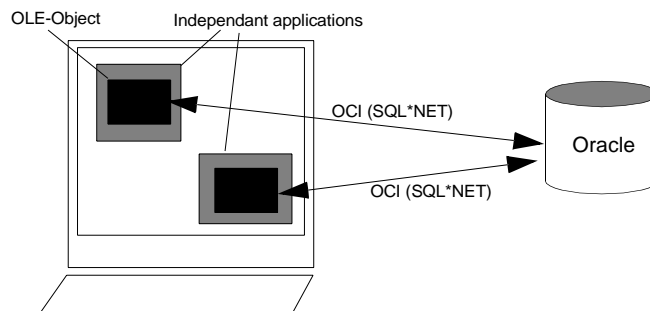
General Purpose Connection ODBC

All applications within the same host (usually PC) share the ODBC connection (Typical Windows Applications without native DB-Driver: VisualBasic, Excel, etc).



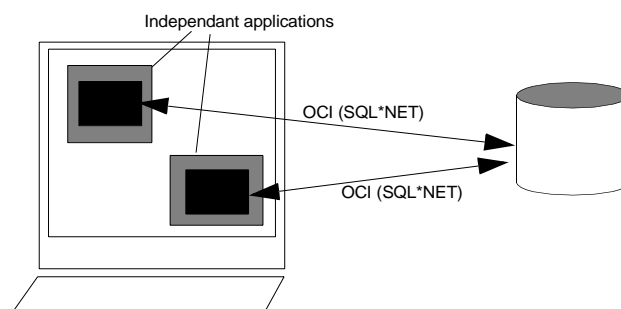
OLE / OCI (Embedded Objects)

Embedded OLE / OCI - Objects within an application connects to the database (Typical Windows Applications without allowed ODBC Connection: Oracle Objects for OLE OO4O)



Native OCI Driver

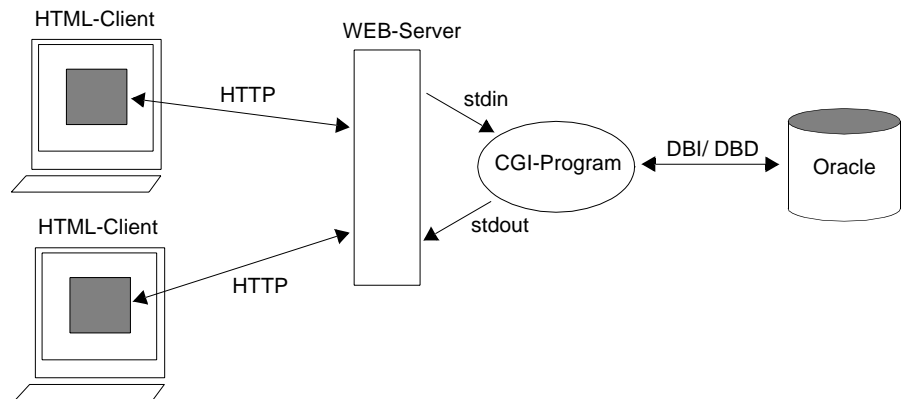
Application offers native OCI-Driver as loadable DLL's. (Borland Delphi, PowerBuilder Applications)



Web-based HTML Database Applications

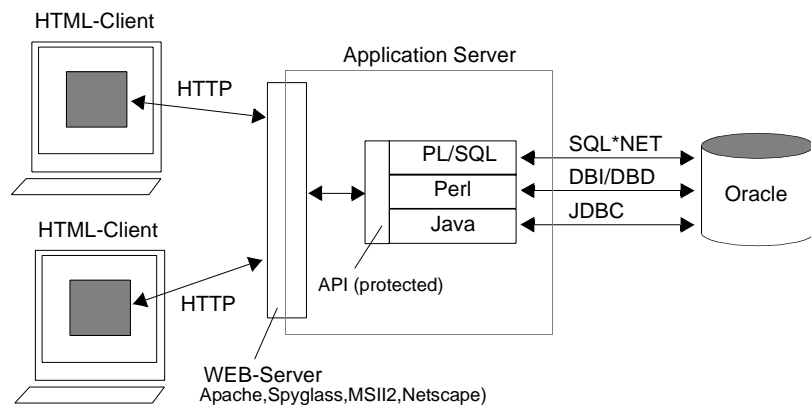
CGI-based

HTML Applications using common Webserver with CGI-Interface



Application Server with embedded Web-Server

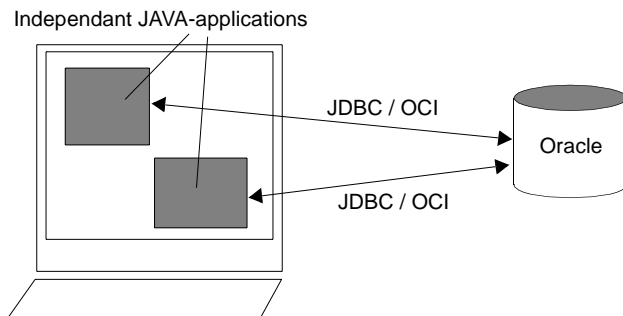
HTML Applications using an application server with embedded Web-Server (Typical: Oracle Application Server with PL/SQL, Perl Cartridge)



JAVA Applications

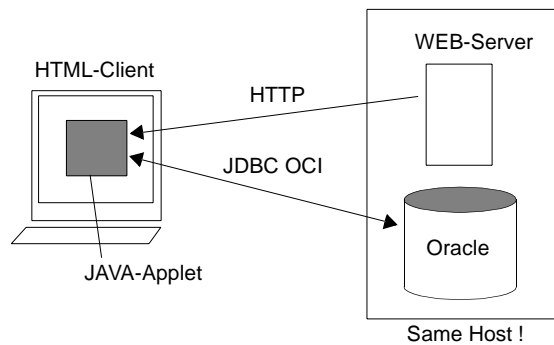
JAVA / JDBC (Non WEB-based)

Direct connection from the application to the database using JDBC



JAVA / JDBC (WEB-based)

JAVA applet is loaded from WEB-Server using HTTP, Applet connects to the database using JDBC.



CORBA based Application Server (All-based)

JAVA application or JAVA applet connects to Application Server using IIOP-Protokol (Typical: Oracle Application Server Version 3 and 4).

