

GNUe Tools: App Server

GNUe Application Server is a data and business rules server. It provides an object-oriented backend to forms and reports. In an n-tier environment, Application Server holds all business rules/logic and provides object-to-relational access to various database backends.

Application Server was designed to remove application logic from the clients and to provide a consistent view into a sometimes eclectic set of data. Application Server is not tied to any particular database and can even reference multiple database vendors while providing a single, unified view to the end clients. Application Server will also provide distributed transaction support when working across multiple databases.

Like all GNUe tools, Application Server runs on most modern platforms and can communicate with the vast majority of modern SQL-compliant database backends. Application Server includes support for Python-based events or triggers, for real-time validation of user data.

Application Server is the first application to use GNUe-Common's RPC abstraction library. This allows App Server to expose its services via a multitude of interfaces, be it CORBA, XML-RPC, SOAP, or unix-based sockets.

Once completed, Application Server will work as an integrated backend for Forms and Reports. However, as part of GNUe's modular framework, Application Server does not require any other GNUe tools to function and can simply expose business logic via CORBA or XML-RPC, etc.

Application Server is currently under heavy development.

Databases

PostgreSQL
MySQL
Oracle
SAP-DB
IBM DB/2
Interbase
Ingres
Sybase
Firebird
ODBC
(SQL Server)
(SQLite)

Interfaces

CORBA
XML-RPC
SOAP
Unix Sockets
(Pyro)
(OpenOffice UNO)
(MS DCOM)

Platforms

GNU/Linux
Free/Open/NetBSD
Solaris / Commercial Unix
Windows 95/98/NT/2000/XP
Mac OS X
Mac OS 8.x/9.x
OS/2