

# basis<sup>2</sup>

## Technical Architecture FUNCTIONAL OVERVIEW



## Technical Architecture

### Future Proofed with Oracle

**Non-stop availability, flexible scalability  
- now you're ready to adapt and expand**

#### RAC and Grid

basis2 can be available on Oracle Real Application Clusters (Oracle RAC). RAC is a product that allows Oracle Database to run basis2 unchanged across multiple connected, or "clustered," servers. Oracle RAC provides the highest levels of availability and the most flexible scalability. If a clustered server fails, Oracle continues running on the remaining servers. And when you need more processing power, simply add another server without taking users offline. (Oracle 2005)

#### Build Your Foundation for Grid Computing

Grid computing is a new software architecture designed to effectively pool together large amounts of low cost modular storage and servers to create a virtual computing resource across which work can be transparently distributed. Grid computing enables computing capacity to be used very efficiently, at low cost, and with very high availability. With Oracle RAC, coordinating the use of large numbers of servers acting as one on an enterprise Grid means your data center can deliver the highest quality of service on low-cost, modular hardware. (Oracle 2005)

#### Oracle 10g Database and Application Server

Oracle Database 10g provides the first complete, integrated software infrastructure to power grid computing. Oracle Database 10g leverages the grid enabling hardware innovations and has made it easy for you to install and configure the Oracle database on these standardized modular hardware components. Oracle Application Server 10g has been specifically designed to run enterprise applications on computing grids. It is designed to run enterprise applications on pools of low cost servers and storage with very high performance, scalability, and availability while radically reducing the costs of systems and applications monitoring and management. Further, customers can deploy all their existing Oracle9iAS applications on Application Server 10g without any changes and take advantage of the new grid features. (Oracle 2005)

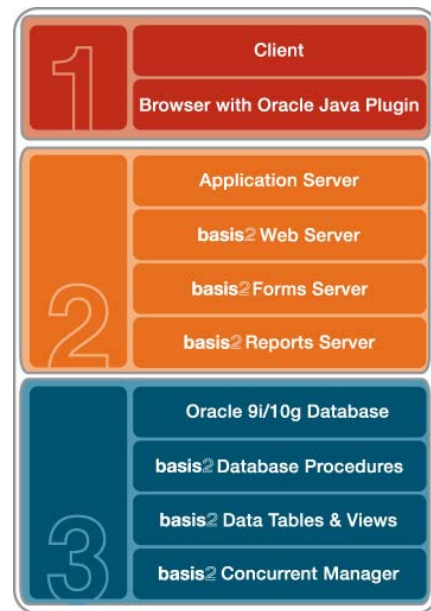
#### Need Integration? Oracle BPEL

Oracle BPEL Process Manager will be an integral part of basis2's Business Integration solution, which provides a comprehensive, standards-based and easy to use solution for creating, deploying and managing cross-application business processes with both automated and human workflow steps – all in a service-oriented architecture.

Its native support for standards such as BPEL, XML, XSLT, XPATH, JMS, JCA and Web Services makes this an ideal solution for creating integrated business processes that are truly portable across platforms. Oracle BPEL Process Manager fully leverages sophisticated features of the underlying Oracle Application Server 10g platform such as security, scalability and high availability. (Oracle 2005)

#### Industry Standard

The basis2 System Architecture conforms to standard 3-Tier Architecture conventions, as illustrated below:

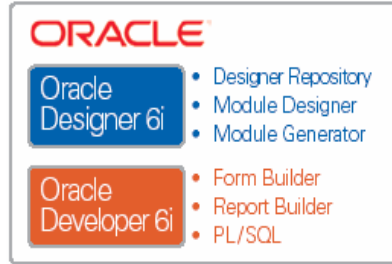


# basis2



## Oracle Standard

The system building environment comprises:



## High Performance

basis2 has been designed as a high performance, high integrity system. It uses sophisticated multi-streaming techniques to provide exceptional throughput with complete bullet-proof reliability. basis2 provides automatic, single or multi-stream restart and recovery right down to the individual transaction level.

## basis2 takes advantage of all the latest Oracle backup

### Backup and Recovery

basis2 takes advantage of all the latest Oracle backup, recovery and failsafe procedures to ensure the constant availability and integrity of valuable customer and billing data.

### Browser Based

Because basis2 is browser based, your staff can access the system from any computer, anywhere. basis2 can be run

internally on your intranet or externally via the internet. This ensures your staff can access vital information whenever they need it.

The basis2 web functionality can integrate with your website and provides a range of online customer enquiry facilities and allows online payments. basis2 has been designed for flexibility in this area and security is provided by standard encrypted PIN number customer verification.

## Platform Independent

basis2 is independent of operating system and totally transportable. It has been developed to operate at peak efficiency on any platform validated for Oracle and Oracle Applications.

## Security

The comprehensive standard facilities provided by Oracle Applications are used by basis2. These provide a multi organization security system whereby a user can have their access restricted to only those records and transactions that belong to their organization and/or department.

## User Interface

The basis2 screens are clear, easy to understand, navigate and use, with minimal screen jumping. Screens match Oracle Apps 11i presentation conventions.

## Reporting

All standard basis2 reports, including the bill print process, are produced using the standard Oracle Report writer facilities. All report code is provided to enable any basis2 report to be tailored, copied or used as a template to match your exact requirements.

## External Interfaces

basis2 has a direct, online, Oracle approved and certified interface to the Oracle Financials General Ledger. In addition, APIs are provided to allow data to be passed to basis2 by other external systems. A series of user exit-points called "user hooks" are provided to allow basis2 to send data to external systems.

## Flex Fields

basis2 provides the standard Oracle Flexfield functionality, just in case you need to define an absolutely unique field.

## basis2 has been designed for maximum flexibility

