

Spotlight on *Technical Information*



Technical Information

RDS Advantage® is a 32 and 64 bit normalized RDBMS (relational database management system). Any piece of data entered once can be accessed and used anyplace else in the system without additional data entry. It is written in an object oriented, client/server programming environment. Applications are modularized, which provides greater processing speed and places less overhead on hardware and networks.

Normalization is the highest standard for a relational database. It means each data item is entered and stored in the database one time, one place. This eliminates redundancy and opportunities for corrupted data and inefficient processing.

Modular programming is a software design technique that increases the extent to which software is composed of separate, interchangeable components called modules by breaking down program functions into modules, each of which accomplishes one function and contains everything necessary to accomplish this. Conceptually, modules represent a separation of concerns, and improve maintainability

Cloud-hosted RDS Connect® serves Windows, Mac and Linux users. Citrix XenServer is powered by Xen hypervisor, with Microsoft Windows Server® 2008 Hyper-V. Microsoft's next-generation hypervisor runs virtual machines running independent operating systems.

The Tier III Data Center provides geographic diversity by fully-featured data centers in Seattle, Dallas, Houston, London and Washington D.C., for maintaining system and data redundancy,

RDS Connect® applications and data are hosted on a Tier Three data center, one of the highest standards for data center security and reliability. A Tier Three data center is rated for 99.982 percent site availability. Data transmitted between local computers and the Cloud is 256 bit SSL encrypted. The Tier III Data Center plus 256 bit encryption qualifies RDS Connect as SaSS (Software as a Secure Service).

RDS is a native Windows® application that can be operated on any of the popular operating systems such as Windows XP/2003/2008 Server/Vista/Windows 7. It is efficient on networks operated in either peer-to-peer or client/server mode. Its ISAM file structure gives it speed, security and dependability.

It is powered by the Synergy development environment (Synergy/DE©) from Synergex. This portable and scalable framework enables RDS Advantage© to deploy native Windows applications while integrating seamlessly with emerging technologies, such as Web data access, e-commerce solutions, and third party software.

Synergy/DE© has a long track record backed by millions of end-users worldwide, and a substantial presence in a multitude of vertical industries. Through its open architecture design, the system is not limited by hardware manufacturers or operating systems.

- It is both a multi-user and multi-entity application. It is multi-user in that any number of users can be simultaneously entering data, printing, or making inquiries, protected by file and record locking. It is multi-enterprise in that data processing can be done for a number of completely different entities, with complete security of data for each.

