

DIGITAL Reliable Transaction Router

Disaster tolerance and ACID transactions for globally distributed, mission-critical applications

What do online stock trading, ATM banking transactions, and order processing have in common? They all require rapid access to data that is highly available — even in the event of natural disasters or network, site, and system outages. DIGITAL Reliable Transaction Router (RTR) is the proven solution for software fault tolerance with transaction integrity at every level in your distributed network worldwide — including access over the Internet.

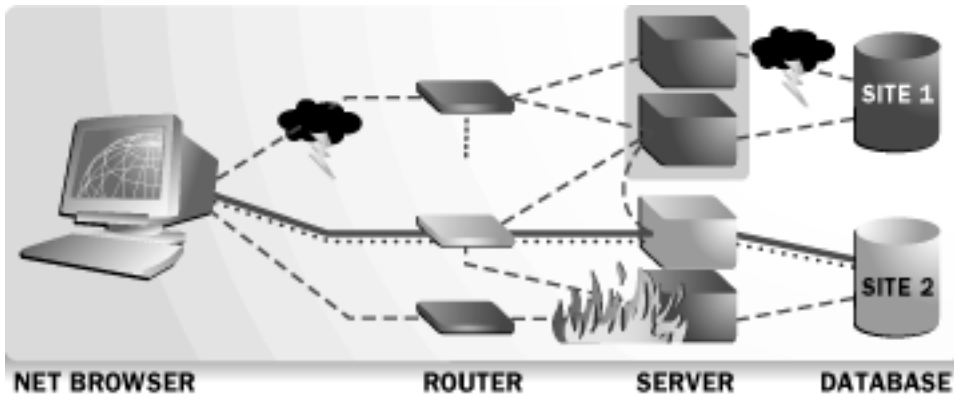


The number of online, transaction-intensive applications is increasing, and so are availability requirements. The DIGITAL Reliable Transaction RouterTM offers the ultimate protection for data and the high level of availability these globally distributed applications demand.

End users, organizations, developers, and system integrators can benefit from the Reliable Transaction Router's industry-leading, robust infrastructure. RTR includes ACID transaction capability, site shadowing for disaster tolerance, and transactional messaging to provide worldwide fault-tolerant distributed transactions.

Benefits

- Provides disaster tolerance to ensure business continuity across multivendor systems
- Maximizes uptime with 24 X 365 availability
- Ensures absolute ACID transactions with two-phase commit and distributed security
- Provides scalable growth for large numbers of users without changing application code
- Provides a flexible infrastructure for easy development
- Uses public and private networks, including the Internet



Futures and Options

Exchange trades tradition for cutting-edge technology

Since 1991, the Austrian Futures and Options Exchange (OTOB) has provided a fully computerized exchange with integrated clearing of trades. OTOB offers their customers security, very high availability, and fast response times, as well as the capacity to expand as market, application, and technology requirements change.

Today, OTOB has 11 member banks, 96 member trader stations, and handles over 30,000 user transactions per day. RTR has helped them to operate continuously with greater than 99.9 percent availability. OTOB trusted that RTR would guarantee the continuous processing infrastructure, tight security, and absolute transaction integrity needed for this highly demanding business, and they were not disappointed!

Proven technology for mission-critical applications

When it comes to providing your users with the highest levels of service, RTR means business. With its easy-to-use application programming interfaces (APIs), RTR creates an infrastructure that provides fault-tolerant transactions. RTR provides synchronous, conversational messaging for continuous processing to provide "realtime" transaction completion in a multitier, multi-vendor environment.

Commercial-grade transactional integrity

RTR supports both transactional and non-transactional messaging across distributed systems. A two-phase commit (2PC) protocol ensures that all pieces of a transaction (or none) are committed. Synchronous messaging is supported, as well as publish/subscribe message broadcasts between clients and servers.

Software fault tolerance for continuous availability

RTR extends the concept of fault tolerance from single systems to fully distributed client/server environments. It provides protection against system, software, site disruptions, and even network failures over the Internet.

When failures occur, RTR provides automatic and transparent failover, ensuring uninterrupted service. In-progress transactions are completed with integrity. What's more, RTR's unique remote site shadowing capability allows shadow sets to reside at a disaster-recovery site, further protecting the availability and reliability of mission-critical applications and data.

Reliable Transaction Router allows you to support applications written without knowledge of network configuration, location of data resources, or the fault-tolerant features of RTR. As operational needs change, you dynamically reconfigure without changes to application code.

Superior performance, management, and security

RTR supports high rates of transactional messaging through optimization of single and concurrent server processing. Applications and data can be partitioned across multiple servers to concentrate processing power exactly where it is needed — around the world.

Advanced monitoring and control utilities enable a single system manager to manage an entire distributed environment. Application status and performance monitoring ensures effective support for business-critical applications.

System security is provided by authentication servers that maintain the right to abort a transaction if it does not meet defined criteria, such as user privileges or transaction limits. This protects applications against unwanted intrusion and improper execution of transactions — a feature that ensures reliable, secure computing over the Internet.

For more information

To learn more about Reliable Transaction Router, contact your local DIGITAL sales office or DIGITAL business partner. To access RTR software product descriptions online, visit DIGITAL on the World Wide Web at: <http://www.software.digital.com/RTR/>

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