iTERA Availability
Technical Data Sheet

Full-featured IBM i High Availability for SMBs

iTERA® Availability™ is tailored for the needs of small to mid-sized businesses. Comprehensive, real-time replication maintains a complete copy of your data and applications on a recovery server. Auditing of replicated data and virtual role swaps ensure worry-free failovers for planned server maintenance or unplanned downtime. With a simple, familiar interface, iTERA Availability keeps your data available and your business productive while requiring only minutes a day to manage.

Features

Real-time replication

- Fast, efficient, real-time replication built on proven, trusted IBM i remote journaling
- Delivers RPOs and RTOs that meet stringent SLAs and regulations
- Replicates data, applications and all essential objects to a recovery server
- Ensures data integrity with transaction aware replication
- Supports replication to local or remote recovery servers
- Minimizes bandwidth requirements
- Replicates between differing storage types or IBM i OS versions
- Allows access to data on the recovery server for tape backup, queries, reports, and more

Audits for data integrity

- Periodic or on-demand audits with self-healing ensure recovery server synchronization
- Allows unchanged DB2 for i data to be audited less frequently for faster completion and more efficient use of resources
- Continuously monitors recovery server data to prevent unauthorized changes

Reliable failover

- Virtual Role Swap validates HA readiness
- Role-Swap Readiness (RSR) Monitor performs scheduled HA readiness checks
- Guided failover with straightforward checklists and documented best practices
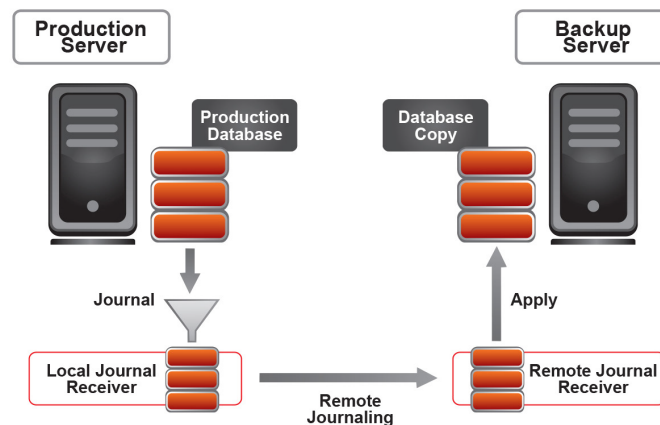
Simple to manage

- Easy green-screen interface requires only minutes a day to manage
- System Monitor shows status of production server and recovery server on a single screen
- Multi-System Monitor monitors multiple LPARs or servers from a single screen
- Exportable replication statistics can be tracked, used for automation or integrated into management consoles
- Alerts notify you of issues

How It Works

iTERA Availability for IBM i virtually eliminates planned and unplanned downtime. Using the most efficient IBM i replication technology available, the remote journaling built into the IBM i OS, iTERA Availability maintains a complete copy of your vital business data and applications on a recovery server this is accurate in real time. That fully synchronized recovery server stands ready to assume the role of the production server should it become unexpectedly unavailable, or should you need to perform planned server maintenance.

iTERA Availability replicates all essential objects on your production server—programs, data areas, data queues, IFS, user profiles, device configurations, spool files, triggers, constraints, WebSphere MQ, and more—to ensure the recovery server is always ready to rapidly take over operations. Advanced auditing technology automatically discovers and corrects data integrity problems at the record level in real time, eliminating the need to resynchronize entire objects if an out-of-sync condition is detected.

System Requirements

- IBM Power Systems running IBM i OS 6.1, 7.1, 7.2 or 7.3
- Supports replication between storage types and OS versions
- Production and recover server may be separated by any distance