

# iTERA AVAILABILITY™

## Full-featured Availability for IBM® i small and medium-sized businesses.

### Simple to use. Easy on your budget.

**SMBs, welcome to peace of mind.** Server downtime poses a serious problem to companies of all sizes and classifications. iTERA Availability™, one of the most trusted IBM i availability solutions in the industry, virtually eliminates planned and unplanned downtime by maintaining a real-time backup system that can quickly take over as the production system.

### Efficient Best of Breed Replication

Using the proven, trusted remote journaling technology built into the IBM i operating system, iTERA Availability efficiently maintains a complete, accurate copy of your vital business data and applications on a backup server. It stands ready to switch users to the backup whenever the production system becomes unexpectedly unavailable or planned system maintenance activities, such as saves to tape or application upgrades, must be performed.

iTERA Availability replicates all essential objects on your production systems—programs, data areas, data queues, IFS, user profiles, device configurations, spool files, triggers, constraints, WebSphere® MQ, and more—to ensure the backup system is always ready to rapidly take over operations.

### Comprehensive Audits with Self-Healing

iTERA Availability ensures worry-free switches by continually auditing the integrity of your replicated data on the backup system. Continuous monitoring of the data on the backup system discovers any unauthorized changes made either accidentally or maliciously to your replicated data in real-time. Detected changes are automatically healed at the record level, without requiring the resynchronization of entire objects.

In addition, scheduled and on-demand audits verify the integrity of more than 200 objects and attributes, including LOB data and stored procedures. Changes, which may have resulted from communication or disk errors, are healed as they are discovered.

### Reliable Role Swaps

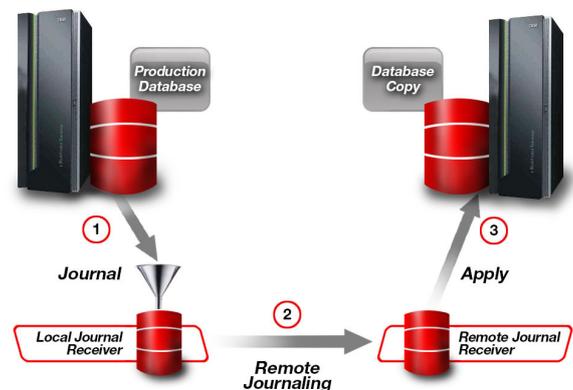
When tensions are high and a role swap is necessary, iTERA Availability guides you through the process with best practice checklists to minimize the probability of human error. It lets you track your progress in real-time, monitor the status of each step, and accurately gauge elapsed recovery time with time estimates.

Virtual role swaps are also available to allow you to simulate swapping from production to backup systems without introducing downtime on the production system. A virtual role swap allows you to run through your role swap procedures to verify HA readiness, test upgrades on the backup server, or otherwise operate on the backup data, knowing that you can efficiently resynchronize and reliably return to normal replication after your testing is complete.

### How it Works

#### PRODUCTION SYSTEM

#### BACKUP SYSTEM



1. Applications on the production system generate transactions that are sent to the journal and written to disk.
2. Remote journaling sends transactions to the backup system where they are applied to the backup database.
3. The backup database is continually audited and ready to role swap. It is also available for queries, saves to tape and other maintenance activities.

## Easy to Use

An easy-to-use interface makes navigation with iTERA Availability a familiar task and allows you to monitor multiple systems or LPARS.

```
PR181 PRIMARY iTERA Availability 6.1 E2701051
BEMTEST Parameters 9/28/12
BEMTEST Basic 15:10:05
Type options, press Enter.
2=Change 4=Delete 5=View

Position to Search for

Opt Parameter Description Feature Scope
--- ALWDLT Allow Delete *AUDIT Local
--- AUDCTL Audit Console Control *AUDIT Global
--- CFCTL Configuration Repl Control *DEV Global
--- CRTNMLIB Allow NMO Sync to Create Missing Lib-ASP *BASE Global
--- CSTCTL Constraint Control *LIB Global
--- DFTJRM Default Journal Image: A=After B=Both *JRN Global
--- DICTL Directory Entry Replication Control *DIRE Global
--- DLTLGDYS Delete Log Days *LIB Global
--- DSPLF Display Logical Files *BASE Global
--- HEALCTL Heal Control *HEAL Global
--- IFSAUDVC Process YC (DLO Change) entry types *IFS Global
More...
F3=Exit F7=Toggle View F8=Set Policies F13=Repeat F21=System Command
F5=Refresh F12=Previous
```

iTERA Alerts help you keep an eye on your iTERA Availability system and IBM Power System server even when you're not in the datacenter. It checks for abnormal system and software conditions and notifies you via email if one should occur. It also can be configured to automatically respond to those conditions.

## The Affordable Choice with Rapid ROI

iTERA Availability eliminates the IT costs and business consequences of downtime while requiring only minutes a day to manage, making iTERA Availability the best choice for TCO.

*"iTERA is surprisingly affordable. For any company of a certain size that is not doing this, it's like shame on them because they could have had a solution that would help the business so much."*

- Stuart Suffern,  
IT Director, Dupré Logistics

*"It's essential that our HA solution will role swap smoothly and data is complete on the backup when we need it most. When we saw the performance of iTERA Availability for IBM i and then the price, it was a very easy choice."*

- Mark Christensen,  
System Administration Supervisor, Autoliv

With iTERA Availability, your organization will benefit from:

- Significantly reduced planned and unplanned downtime costs
- Improved compliance with required service levels for business-critical applications
- Assured switch-readiness and data accuracy with self-healing autonomic processes
- Minimized HA monitoring requirements amounting to only a few minutes a day



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Easy. Affordable. Innovative.

Cloud Protection and Recovery High Availability and Disaster Recovery Migration and Cross-Platform Data Sharing