

Simplified Availability in a Complex World

MIMIX Availability virtually eliminates planned and unplanned downtime with innovative features that minimize the administration of high availability and ensure data integrity. Scalable from SMB to Enterprise, MIMIX Availability integrates into advanced IT environments to protect your data and keep mission critical applications running 24x7x365.

- **MIMIX Professional** provides small- and medium-sized business with the full power and capacity of an enterprise high availability solution, with minimum labor and skill requirements.
- **MIMIX Enterprise** delivers all the functionality and flexibility required by large and/or demanding enterprises, while still providing an easy-to-use, easy-to-switch solution.
- **MIMIX Global** simplifies and automates the management and switching of multi-node MIMIX environments. In addition, MIMIX Global provides full integration with technologies configured by PowerHA for IBM i under a single management interface. [Learn more about MIMIX Global.](#)

Superior Replication

MIMIX Availability boasts a strong architectural foundation that creates a reliable high availability solution uniquely optimized for the IBM i, delivering unmatched levels of performance and flexibility. Superior replication technology and performance enables maximum system scalability and meets stringent recovery point and recovery time objectives.

Strong architectural foundation

- Logical replication technology is based on the remote journaling capabilities of the IBM i operating system
- Replicates your production environment to a backup server in real time with zero data loss
- Supports virtually any application environment and network topology, including virtual environments
- Provides rapid, predictable recovery time
- Minimizes bandwidth requirements
- Allows replication to multiple nodes
- Application aware to ensure transaction integrity
- Provides access to replicated data for tape backup, queries, maintenance and upgrade testing with no negative impact on business processes
- Supports both internal and external storage and allows different storage hardware on the source and target

Tuned for performance

- Tailored for the IBM i Operating System
- Scales from SMB to Enterprise
- Keeps your applications and data available and your business productive
- Delivers an RTO and RPO that meets the most aggressive regularity mandates and SLAs
- Delivers fast, proven ROI by eliminating the unnecessary IT costs and business consequences of downtime

Solid Data Protection

MIMIX's comprehensive auditing and self-healing technologies ensure the integrity of the secondary copy of your data and provide confidence that your systems are ready to switch at a moment's notice.

Comprehensive audits with self-healing

- Comprehensive object-level audits identify and correct out of sync objects
- Thorough coverage is provided with 8 unique audits per data group, each individually scheduled
- Prioritized audits allow unchanged objects to be audited less frequently for faster and more efficient completion

Target side data monitoring

- Objects on the target system are monitored for unauthorized changes
- Administrators are notified in real time of changes to objects, along with the identity of the user that made each change

Detailed audit visibility

- A detailed history of audit results is provided
- Lists of all replicated objects with audit status for each object are also available

Simplified Management

The Vision Solutions® Portal (VSP) simplifies the management of your availability environment with at-a-glance monitoring and intuitive control from any device with a browser. VSP is easily customized to meet an administrator's needs and style, allowing you to manage your HA environment in just minutes a day.

Vision Solutions® Portal

- Convenient monitoring and control from any location and any device with a browser
- Simple to use interface provides at-a-glance monitoring and intuitive control
- Easily customizable to meet your needs and working style
- Provides real-time information about your environment in an easy-to-read form
- Single view of multiple instances of MIMIX Availability for IBM i and Double-Take RecoverNow for AIX
- Integrates with PowerHA for IBM i environments to provide monitoring and control from a single interface
- Provides a single point of switch for multiple data groups
- Allows you to manage your HA in only minutes a day

Customizable automation

- A fully customizable framework for defining step-by-step automated procedures improves reliability by eliminating human error
- Robust, preconfigured procedures are provided for switch pre-check, planned switch, unplanned switch, and more
- Complete flexibility is provided to customize predefined procedures
- Templates are supplied for creating new procedures or steps
- Reports are available on past procedures and steps at a granular level

Single-button, automated switches

- Switches are performed with the press of a button in the VSP
- Entire Application Groups can be switched with a single click
- Human error is eliminated through automated, customizable planned and unplanned switch procedures
- Switch performance can be analyzed through reports on past switch procedures and steps
- Switch pre-check helps ensure confident switching

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Application Groups

Instance: MIMIX_2_Node Node: Chicago

Start... Stop... Switch... Switch Precheck... Start MIMIX...

Application Group	Procedure	Application Nodes	Replication	Actions
PRODUCTION	✓	■	■	Select...
TEST	✓	■	■	Select...

Resource Groups

Instance: MIMIX_2_Node Node: Chicago

Application Group: PRODUCTION

Resource Group	Type	Actions
ACCOUNTING	Data	Select...
IFS	Data	Select...
PAYROLL	Data	Select...
PRICING	Data	Select...
SYSTEM	Data	Select...

Recovery Domain

Instance: MIMIX_2_Node Node: Chicago

Application Group: PRODUCTION

Node	Role	Provider	Role	Provider	Actions
MIAMI	Primary	None	Primary	Primary	Select...
CHICAGO	Backup	MIAMI	Backup	Primary	Select...

Data Groups

Instance: MIMIX_2_Node Node: Chicago

Resource group: ACCOUNTING Type: Data

Application group: PRODUCTION

Group	Source	Target	Repl	Audits	Rcy	Acti
ACCOUNTING	MIAMI	CHICAGO	0	0	0	Pol

Recovery Domain

Instance: MIMIX_2_Node Node: Chicago

Resource Group: ACCOUNTING Type: Data Application Group: PRO

Resource group recovery domain is the same as the application group recovery domain.

IBM i System Optimization

iOptimize, MIMIX Availability's automated IBM i system optimization feature, improves system efficiency, performance and resilience to yield a more healthy and effective HA environment.

iOptimize

- Innovative, automated System i optimization
- Maximizes storage utilization; proactively, intelligently plans for additional DASD
- Accelerates performance, enhances system efficiency and improves resilience
- Analyzes system health and can be configured to automatically perform optimizations
- Provides over 70 localizable, graphical reports
- Allows easy comparison of system snapshots to identify trends
- Supplies the ability to demonstrate compliance with SLAs through reports



How it Works

MIMIX Availability transparently replicates applications, data and system values in real time from a production server to a backup server. Leveraging the IBM i operating system's advanced journaling features, along with other change capture and replication mechanisms, MIMIX Availability ensures that the secondary system is always a complete, ready-to-run backup system.

If you need to shut down the primary server for maintenance, you can rapidly switch operations to the backup server, which can be located anywhere in the world. In addition, MIMIX Availability can detect when the primary system becomes unavailable and, at your option, automatically fail over to the backup system, minimizing business downtime.

When the primary server is available again, MIMIX Availability will automatically resynchronize the two servers by replicating any changes made on the secondary system. Then, when you are ready, you can easily switch users back to the primary system. MIMIX Availability's advanced autonomies seek out discrepancies in the replicated data and correct any errors, without the need for operator intervention. Your backup system is always "switch-ready" – available to assume responsibility for running your critical operations at a moment's notice.