



DATASHEET

# Rocket® iCluster

Cost-effective high availability and disaster recovery for IBM i

- Maximize availability of IBM i applications and data
- Recover from outages in minutes
- Reduce TCO of your IBM i and HA/DAR Systems
- Reduce manual administration and reporting, freeing staff for other strategic projects
- Protect organizations of any size, from small businesses to large enterprises

IBM® i systems host some of the world's most business-critical applications, from retail point-of-sale systems to vehicle registries to ERP systems. Today, no downtime is acceptable, whether it's caused by a regular application backup or batch processing, or an "all-hands" recovery from a major outage.

Rocket® iCluster® is an easy-to-use high availability and disaster recovery (HA/DR) solution for IBM i. iCluster minimizes downtime and data loss, with recovery times measured in minutes for reduced operating risk. Flexible licensing that's priced on a per-server (rather than the more costly per-processor basis) simplifies deployments while significantly reducing costs. And, best of all, you'll never be hit with unexpected transfer costs with no additional functionality.



[www.rocketsoftware.com](http://www.rocketsoftware.com)



## ► Maximize the availability of IBM i applications and data

Rocket iCluster reduces downtime related to unexpected IBM i system interruptions, with real-time, fault-tolerant, object-level replication. In the event of an outage, you can bring a “warm” mirror of a clustered IBM i system into service within minutes.

iCluster ensures a high-availability environment by giving business applications concurrent access to both master and replicated data. This set-up allows you to perform planned maintenance tasks such as running reports and queries as well as ETL, EDI, and web tasks from your secondary system without affecting primary system performance.

Proactive issue notifications and self-correction for replication problems help your team identify and address potential issues before they affect system performance. The administrative capabilities in iCluster help staff easily configure and perform operations such as starting, ending and switching replication groups, saving time and removing some of the risk that can be involved with manual processes.

## ► Recover from outages in minutes

Rocket iCluster helps you address unexpected events by continuously replicating a recovery point to a warm standby server, which can be deployed within minutes should the need arise. iCluster mirrors changes, additions, or deletions automatically in near real-time to the replicated system—with no need for manual intervention. It ensures the highest fidelity from production to secondary instances, with always-on sync-check and byte-by-byte verification to confirm accuracy. iCluster also analyzes IBM i journal data and displays replication status in terms that are clear and easy to understand—your team can say goodbye to tedious manual reporting and monitoring processes.

With iCluster, you don't have to worry about the distance between your primary and secondary systems. Whether they're located in the same data center or on opposite sides of the globe, iCluster's high-speed operational switching ensures that outages are detected with seconds of when they occur, and the recovery process begins automatically. Your staff and customers may not even realize there's been any disruption in service.

How iCluster works



iCluster monitors database transactions, mirroring them to one or more secondary servers in near real-time. In the event of an outage, this “warm mirror” can be brought into service within minutes, preventing business disruptions.

Using Rocket iCluster, a global retailer achieved the following for its critical merchandising and warehousing applications:

- Cut disaster recovery time from 48 hours to 4
- Reduced monitoring and reporting time from 3-5 hours per day to 30 minutes
- Repurposed a full-time system admin equivalent for more strategic tasks (approx. \$60-70K/year)
- Lowered the TCO of their IBM i systems by improving the usability of their HA/DR configuration

## ▶ Reduce TCO of your IBM i and HA/DR Systems

Rocket iCluster is a cost-effective way to ensure business continuity and high availability of your critical applications and data. Not only are you able to protect your IBM i investment, you're also able to preserve your IT budget for use on other projects with the following:

- iCluster is licensed on a per-server basis, rather than a per-processor basis that's common with other solutions (which can cost as much as 5x more).
- There are no added charges for transfers to new hardware within the same processor group
- iCluster is easy to configure and administer, and an intuitive user interface simplifies monitoring and troubleshooting so your staff can spend time working on other projects

Rocket iCluster is easy to buy, easy to configure, and easy to use. It has everything you need for your IBM i environment, with a single installer and no modules or add-ons. Any member of your IT team can run and operate iCluster with confidence, reducing the need for dedicated administrators with extensive IBM i experience.

iCluster monitoring



iCluster's single-point, multiple-node administration console monitors events in real time, and runs in any web browser—even on your mobile device—for anytime, anywhere access.



## ► System requirements

- IBM i Operating System
  - » IBM i5/OS V5R4 or later (including i7.3), including support for IBM Db2® for i
- TCP/IP
- 200 MB DASD for installation
- 90 MB DASD for operation
- Minimum of 512 MB DASD for staging store (although typical size is 10 GB)
- Additional disk space on each node for save files or journal receiver
- Web server requirements for iCluster Mobile Monitoring
  - » Apache Tomcat 7 must be installed on a server that has a TCP/IP network connection to the servers where iCluster is running. The server where Apache Tomcat Version 7.0 is installed can run on one of the following operating systems: Microsoft Windows, Linux, IBM i

Rocket iCluster belongs to a family of Rocket solutions that maximize IBM i investments, including:

- Rocket® Aldon Lifecycle Manager, which helps you manage and automate DevOps for all of your platforms including IBM i, Windows, web, and mobile
- Rocket® Servergraph, which gives you storage and data protection insights across your IBM i environment.
- Rocket® API, which connects and integrates enterprise applications with web and mobile platforms.
- Rocket LegaSuite, a modernization solution for green-screen applications that reduces the time, expense, and risk associated with recoding or replacing.
- Rocket iCluster HA Assist, an HA/DR solution for organizations running IBM PowerHA® on IBM Power and PureFlex systems.



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