



Crossroads SPHiNX™ Data Protection & DR for IBM Systems

Protecting data from the desktop to the data center is as important as ever for IT organizations. As an IBM Business Partner, North American Systems features Crossroads Software's SPHiNX™ data protection product for IT infrastructures utilizing IBM's Power® processor-based systems.

A Crossroads SPHiNX™ solution from North American Systems can help IT organizations tackle the challenges of:

- » data security
- » risk management
- » business continuity
- » disaster recovery



SPHiNX™ FEATURES

- » **Tapeless, Disk-Based Backup** - Choose between VTL or NAS for rapid data recovery
- » **Streamline Backup & Restore Processes** - Improved performance & immediate access
- » **Seamless Backup Application Integration** - Leverage existing assets, no software or agents to install
- » **Physical Tape Integration** - Archive, disaster recovery & capacity offload
- » **Built-in Data Reduction** - Capacity optimization & network utilization, up to 12:1
- » **Extensible and Scalable** - Growth, capacity & system connectivity
- » **Remote and Branch Office Protection** - Offsite data protection & centralized consolidation



IBM COMPATIBILITY

Designed to work with midrange systems, open systems, and desktop host environments, Crossroads software is the perfect solution for IT departments that need next-generation, highly-resilient data protection and intelligent storage solutions for their business-critical data.



Crossroads has advanced compatibility for IBM Power® Systems as well, able to operate as an alternate IPL (initial program load) without the use of additional software or agents. This appliance, available in a number of configurations can also emulate IBM drives & libraries, and supports most of the leading backup applications in the market. With the Crossroads SPHiNX™ appliance, you can use ROBOT/Save, BRMS, and native IBM i commands.

DATA REPLICATION

Crossroads SPHiNX™ has an optional data replication suite add-on. Features include:

- » remote data replication for disaster recovery
- » multi-site replication
- » transmission of delta changes only
- » synchronization of data copies across the WAN
- » secure tunnel transfer with in-flight encryption

DATA ENCRYPTION

The optional Crossroads SPHiNX™ data encryption suite provides seamless integration with the wide variety of tape drives & libraries that Crossroads supports. Other features include:

- » 256-bit AES encryption
- » regulatory compliance fulfillment
- » granularity of what to encrypt, down to virtual cartridge or media pool
- » symmetric-key encryption cipher
- » no separate key server required
- » supports entire key lifecycle

FILESTOR-CDP

The Crossroads FileStor-CDP option offers continuous data protection automatically, no manual administrative intervention is required. users can restore and recover files transparently, without IT intervention, minimizing risk by providing centralized, corporate data protection, while reducing administrative overhead.

FILESTOR-HSM

Crossroads FileStor-HSM is an excellent option to reduce the capacity requirements of Windows File Servers. With FileStor-HSM, data is automatically migrated from these file servers as they become inactive, following policies that dictate how and when data is migrated. Fault-tolerant access to data can still be provided as this inactive data is migrated to lower-cost methods of archival, since it can be replicated to multiple locations.

ABOUT NORTH AMERICAN SYSTEMS

As a long-term IBM Business Partner and Crossroad partner, North American Systems has a qualified account and engineering team that can help you configure and integrate a Crossroads data protection solutions that meets your unique needs.