DNF STORAGE
DIVISION OF DNFCORP

LOCKSMART TECHNOLOGY

LockSmart Technology Benefits

» Secures systems running on Windows and Linux
» Eliminates risks of leaving network devices on public or accessible networks
» Controls access to secured systems at the kernel level via filesystem, execution and memory control
» Eliminates internal and external threats: including hackers, viruses, and worms

SAFEGUARD

SafeGuard Your Data with Embedded Solidification

DNF products offer many levels of SafeGuard protection for your data, ranging from hardware redundancy, RAID protection, management protection, site protection to RAID Certification and more. DNF is the only storage company to offer Solidification Technology, a persistent and deterministic technology which delivers control over systems utilizing server-based architecture. Deploying Solidification as an embedded technology prevents the execution of unauthorized programs and unauthorized attempts to modify approved programs or files. Solidification kernel level technology which provides proactive filesystem control, execution control, and memory control over server-based systems with no false positives or negatives. Solidification is available as a standalone solution or as the embedded LockSmart Technology.

IT Security Challenges

Reliance on Systems based on Open Platforms

An increasing number of critical business applications are using industry standard Linux and Windows operating systems, since these platforms are cost-effective and easy to deploy. With the widespread shift to these operating systems there is an increased risk of malicious attacks, data loss, and corruption. For mission critical business applications, minimizing the risks cassociated with these open platforms is essential.

Frequent Security Updates and System Patches

Enterprise operating system creators issue frequent security updates, service packs, and other packages to improve functionality and respond to security vulnerabilities. With security threats being announced several times a month, and regular system updates being released monthly, organizations do not have enough time to install the latest patches without significant downtime for their organizations. After factoring in the time it takes to test and retest business critical applications and upgrade compatibility, IT organizations do not have enough resources to handle standard organizational support and security.

Solidified by solidcore systems

Increasing Threats from Malware, Spyware, Viruses, Hackers and other Attacks

As organizations look to improve efficiency and cut operational costs, IT staff and resources are decreasing proportionally. Solidification helps reduce the severity level of the patches as it protects against any unauthorized programs to run on the system. This helps plan patch outages on production servers and also prevents worms, viruses, and trojans from being able to run or propagate from the storage system using Solidification.

How Does Solidification Work?

Solidification deterministically guarantees that only authorized code can run on a protected server. This unique approach ensures no unauthorized individuals or programs can gain control of your critical information or communication systems, thereby maintaining their integrity, ensuring their availability and preventing the falsification of business transactions. Deploying low-maintenance Solidification technology, streamlining security practices decreases information security operating costs. This technique provides instant and ongoing protection once deployed and requires no configuration, set up, or human involvement for monitoring and response for effective protection. Deploying Solidification is seamless and can reduce both planned and unplanned expenses for business. With Embedded LockSmart technology, organizations can ensure their server based IT infrastructure is pretected from end-to-end.

DNF Products Supporting LockSmart

FlexStor-NAS: Flexible Windows Storage Server NAS Servers

IPBank E-Series: Advanced Windows Storage Server Based iSCSI Storage

DataStor NAS: Enterprise Class NAS Platform Designed for Heterogeneous Environments

IPBank L-Series: Advanced iSCSI Storage based on a Native Linux Kernel

StorMaster Unified Storage Servers: Flexible Storage Platform Supporting NAS, SAN and iSCSI Protocols

SAN X SAN Management Appliances: Storage Gateway Platform to Centralize and Manage Storage Service for a Variety of Hardware Implementations for Hybrid Environments

LockSmart Servers and Workstations: Servers based on Windows or Linux Based Operating Systems

SafeGuard Storage Protection

- Location Based Data Protection
- Isolated System Management
- Kernel-Level System Integrity
- Multiple Connections to Host or Network
- Multi-Pathing for Host or Network Connections
- Redundant Controller Modules
- Hot-Swappable Disk Drives
- RAID Protection for Hard Disks
- RAID Certification
- Hot-Swappable System Components

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