



DR/VFI v4.3 for Mainframes

Ensuring successful recovery of vital data and applications requires *integrated processes and resources*—from knowing what applications and data your organization uses most, determining exactly how that information should be stored based on your recovery requirements.

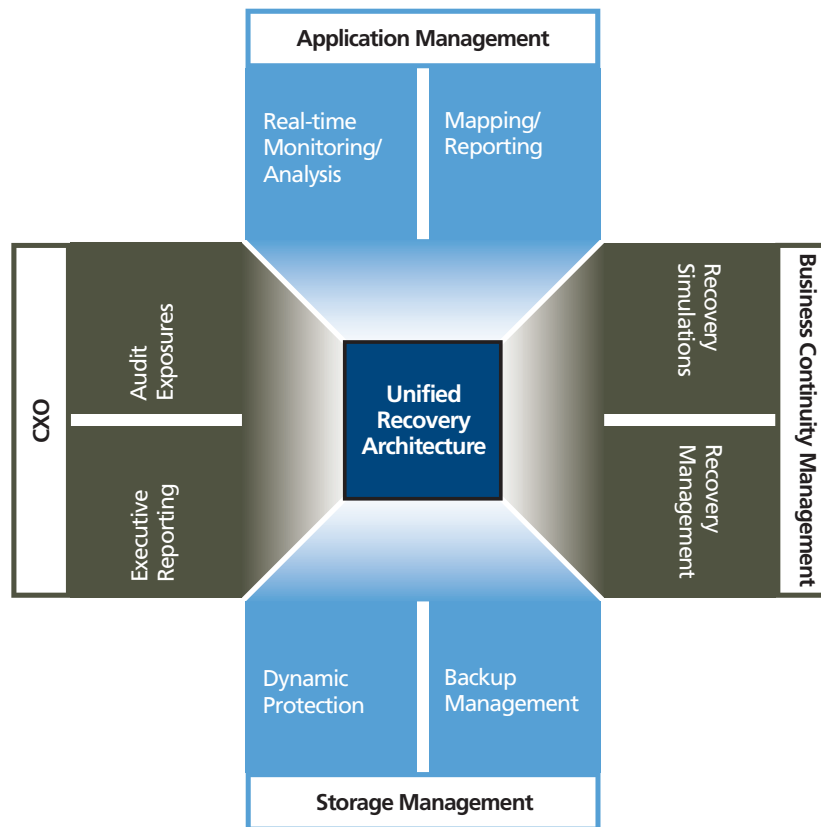
Integrated recovery management is critical to ensure service levels and resource maximization across the entire organization:

- >> Customer satisfaction and user productivity require tight RPO/RTO windows
- >> IT resources are tight with no room for overspending or unmanaged resources
- >> Compliance regulations require documented recovery strategies
- >> Reduce costs associated with DR testing and validation (especially when the tests are not conclusive)

DR/VFI from 21st Century Software provides a holistic, integrated approach to recovery management to help minimize threats and break down the roadblocks to recovery. All information about file use and status is stored in our DR/VFI Unified Recovery Architecture database, and is used by our storage, recovery and reporting modules to ensure visibility and integration.

Our integrated approach starts with our Unified Recovery Architecture. DR/VFI's Unified Recovery Architecture helps:

- >> Measure "application value" in terms of the "business value" it delivers
- >> Monitor and analyze data use by applications "in flight" in real-time
- >> Prioritize data storage strategies according to real-world application usage
- >> Leverage centralized recovery resources to maximize DR testing
- >> Provide executive and LOB reporting and auditing



Integrated Recovery Management for Mainframe Environments

Highly flexible and easily adapted to your recovery plan, including partial and fully replicated environments, this product supports all versions of IBM S/390, zSeries and System z platforms, as well as related backup, recovery and management applications.

DR/VFI enables the automatic identification, backup, and recovery of files vital to mission-critical applications—such as tape and disk files. Proven to protect the application environment, this integrated recovery management solution is designed to deliver a global view of your critical data—as well as that data’s backups at the application level.

Our new DR/VFI v4.3 release delivers mainframe organizations with additional *insight*, *protection* and *assurance* related to their critical enterprise data.

- >> ***In-flight Job Identification*** capabilities for replicated environments to identify jobs in process if replication fails. This provides valuable insight into exactly where a recovery process should start based on what jobs and datasets were open at the time of the replication break.
- >> ***Real-Time SMF Extractor*** reads SMF data for critical file usage and feeds it to our powerful third-generation Analysis Engine to determine file update and backup requirements—even for data that changes often, like batch applications.

Real-Time Analysis and Recovery Simulation Capabilities

Recoverability simulations help you gain immediate validation and verification that your data is recoverable. What’s more, simulations help you gauge your preparation level for disaster—or disaster recovery—and give you the ability to run “what if” scenarios that evaluate your data backup status.

The real-time monitoring and analysis functionality is the foundation for effective recoverability simulation capabilities. DR/VFI monitors your use of applications and data, plus critical interdependencies that must be captured and restored. Our real-time monitoring is absolutely critical to ensuring you're able to recover and restore your files and applications and achieve your RTO/RPO objectives.

Understand Your Recovery Requirements While Avoiding Unnecessary Costs

By simulating your backup, restore and recovery capabilities you will avoid the expense in time and dollars required to schedule and execute a live disaster recovery test. In addition, running a recoverability simulation prior to your disaster recovery test can help you answer the critical question "what do we need to recover?" Finally, an effective simulated backup and recovery provides you with the time needed to make corrections to your processing in order to capture the right backups and ensure what you need for recovery is available.

Simulated Backup: DR/VFI's simulated backup capabilities enable you to test and validate:

- >> When and how much data needs to be retained/backed up
- >> Interdependencies between applications, data and locations
- >> Exact storage media requirements by location and type

Simulated Restore: DR/VFI's simulated restore capabilities enable you to test and validate:

- >> When and how much data needs to be restored
- >> Number of jobs that need to run to recover the critical workloads along with how much data in each will be restored
- >> Exact tape volumes required by vault location and type that need to be transported

Simulated Recovery: DR/VFI's simulated recovery capabilities enable you to test and validate:

- >> Recovery capability by application, system or file at any time, such as before a system/application upgrade or relocation, or before a full DR test
- >> Recovery readiness under various conditions, such as month and year-end, weekends and holidays, or time changes

Assuring Peace of Mind

With 21st Century Software Integrated Recovery Management Solutions, you can be sure that you have accounted for all your critical data—across all applications. You'll know with certainty that your recovery procedures will restore the most current version of your datasets and that your critical file list is continually maintained. With reliable backup verification, automated restore generation, and off-site location audition and reporting, you'll have the peace of mind of knowing that changes to your application environment will be automatically detected and addressed quickly and effectively.

Benefits of DR/VFI Integrated Recovery Management Software

Accelerate Recovery Time

- >> Restore critical applications first—and get back online immediately
- >> Get instant recovery of the critical subset of your tape library

Increase Time and Storage Savings

- >> Backup only mission-critical files on a daily basis
- >> Reduce backup by selecting only files that have been recently updated
- >> Reduce the number of tapes that have to be rotated offsite—and reduce data across remote channels

Gain a High Degree of Efficiency

- >> Standardize your enterprise-wide approach to DR
- >> Centralize tracking of backup data, integrating all information you need for recovery
- >> Interface with standard backup utilities
- >> Analyze SMF data to determine the criticality of application data
- >> Seamlessly interface without hooks to your operating system
- >> Reduce the cost of your DR hot site by letting you prioritize recovery

Improve Flexibility

- >> SMF extractor provides real-time SMF data collection in a single or multiple LPAR environment
- >> Interpretive exit points throughout the product make tailoring to your environment a simple task

Enjoy Ease of Use

- >> Gain online, user-friendly installation, configuration, and reporting panels in line with Business and IT Assurance Objectives

About 21st Century Software

Founded in 1992, 21st Century Software, has firmly positioned itself as a leader in the business continuity solutions marketplace, and has been solely dedicated to providing data protection and recovery management solutions to the Global 1000 marketplace. 21st Century Software distributes its products through its own sales channel in North America, as well as a distribution channel in Europe. Their DR/VFI product family was created in 1988, driven by the growing need of organizations to identify and recover their critical data and to deliver Recovery Assurance.



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