



EnsureDR Recovery Readiness for Education Institutions

Automate DR Drills, Accelerate Regulation Compliance, and Achieve DR Resilience.

Education institutions have both complex and diverse data storage needs. These include but are not limited to: student record maintenance; registration, grading and reporting; ERP and CRM systems for compiling and processing student data; HR and payroll; financial data; proprietary academic research; and distance learning operations, content and administration. In addition to this diversity in data storage and retrieval needs, education institutions require a high level of availability assuring uninterrupted and secure operational capacity at all times. This makes their IT disaster recovery planning, testing and execution a priority.

In addition it has been shown recently that education institutions are a prime target for ransomware attacks, with a high number of attacks specifically targeting universities and colleges. Other factors that compromise data availability and processing capability are: accidental file deletion; and unplanned outages - both as a result of natural disasters or IT related events. It is therefore critical that the IT infrastructure can recover from such events in a way that will allow the institution to continue its activities without interruption. To achieve this goal the DR procedures need to be tested both thoroughly and frequently to ensure continuous and uninterrupted operations in the event of an actual disaster.

In addition education institutions are required to comply with various regulatory bodies and directives such as: the Family Educational Rights and Privacy Act (FERPA), the Health Insurance Portability and Accountability Act (HIPAA), the Gramm-Leach-Bliley Act (GLBA, also known as the Financial Services Modernization Act of 1999), the Data Protection Act (DPA) and others which dictate the implementation of technical safeguards including regular disaster recovery testing.



Automate Everything

Automate DR drills with management tools for total resilience



Accelerate Regulation Compliance

Easily generate reports demonstrating recovery readiness compliance on-demand. Ensure ability to recover from any scenario



DR Test as a Service

Onsite implementation, monthly tests and 24/7 support

The EnsureDR Software Platform, can assist disaster recovery practitioners to easily manage and maintain their DR environment while at the same time assist in satisfying regulatory requirements by providing a framework which will allow for:

- The **automation** of DR testing for all servers: both virtual and physical, both onsite and offsite.
- The **thorough and frequent** testing of critical servers: to confirm the continuous data integrity and availability of critical business systems.
- The **documentation (audit-ready)** of DR testing results through a detailed "Recovery Readiness" **report** as well as an online **dashboard**.
- The **Recovery Readiness Score** provides a quantifiable metric for assessing the ability of an institution to recover in the event of an actual disaster.



Use Cases

Automation of DR Testing Procedures

EnsureDR allows for the segmentation of servers into testing groups based on priority and for the full automation of testing on a monthly, weekly or daily basis for each group. The automation of testing eliminates the possibility of human error and reduces the number of man-hours and associated costs incurred when performing manual DR testing exercises.

Thorough DR Testing Capabilities

Unlike replication tools that allow for the manual testing of the failover procedure; EnsureDR will not only test that the fail over of the replication tool actually works but will test the entire infrastructure on the DR site by turning on all servers, databases and applications and testing all the associated network infrastructure, security and physical resources.

Extended DR management across multiple locations

EnsureDR allows for the management and DR testing of servers distributed across multiple physical branches and remote offices. All the DR tests for these locations are managed through a single unified online dashboard and reporting engine.

Documentation – Audit Ready

EnsureDR through its powerful dashboard and reporting engine can produce DR test reports detailing the availability and recoverability of each individual server. These reports are automatically generated and are sent to the DR practitioner via email or produced on-demand. Parameters and metrics included in the report are: the RTA - the actual time for a site to recover in the event of a real disaster (compared to the RTO – desired recovery time), graphs showing how the DR status of the institution has changed over time and detailed test results for each server tested.

Broad Replication Vendor Support

EnsureDR supports the testing of all major DR replication tools: VMware, Zerto, NetApp, EMC – RecoverPoint, DoubleTake and others. The goal of EnsureDR is to provide a vendor agnostic testing environment which provides an objective view of the overall Recovery Readiness of the institution.

Assistance for Regulatory Compliance

EnsureDR through its comprehensive testing capabilities both in its scope and depth can assist the DR practitioner to satisfy the regulatory compliance requirements through the automation of more frequent testing procedures and the generation of testing reports. All this can be achieved in a fraction of the time taken compared to manual test reporting and DR procedures.

Recovery Readiness Score

EnsureDR through its years of experience in the DR industry and after experiencing more than 100 actual major DR events have developed a proprietary algorithm for quantifying the DR status of an institution – the Recovery Readiness Score. Through this single parameter the DR practitioner will be able to monitor the DR readiness of the institution and make adjustments as needed to the DR procedures. This parameter becomes extremely significant when taking into account the fast-changing environment in which education institutions are required to operate: changing regulations; new requirements for online education and digital services as well as organic growth both internal and external. All these factors contribute to the erosion of the DR resiliency of the institution.



Contact us today to learn more or request a free trial at www.ensuredr.com

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