

# ReliableDR: Recovery Assurance

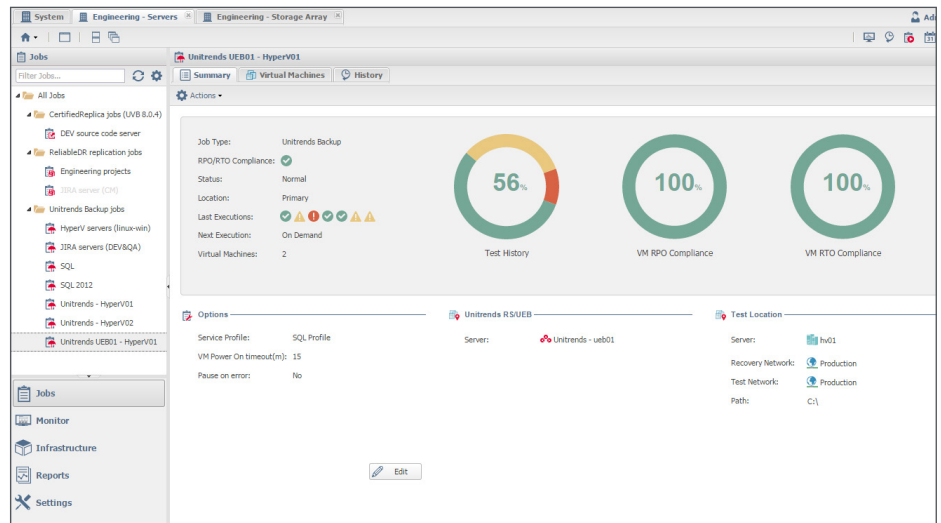
## Automated Testing and Failover for VMware vSphere, Microsoft Hyper-V and Physical Windows

Unitrends ReliableDR is the industry’s first automated recovery solution for heterogeneous environments, providing simultaneous support for Windows Physical, VMware vSphere and Microsoft Hyper-v systems. ReliableDR automates testing and recovery of multi-tier applications across mixed virtual and physical environments. With ReliableDR, you receive the confidence that mission critical, multi-tiered applications will always recover as required, including those high-performance mission critical applications running on Windows physical servers.

ReliableDR provides recovery assurance by automating complex disaster recovery testing, ensuring your Recovery Time Objectives (RTOs) and Recovery Point Objectives (RPOs) always meet corporate compliance requirements. Working together with your Unitrends backup appliance, ReliableDR automates key recovery processes, including failover and failback, and provides regular testing at a far lower cost than manual alternatives. As a result, ReliableDR provides unmatched resiliency for your virtual and physical infrastructures as well as the capability to fully align your IT organization and business continuity plans.

### Recovery Assurance with ReliableDR:

- Orchestrates automated recovery.
- Guarantees failover and failback.
- Certifies automatically that RPOs and RTOs are achieved.
- Enables business-centric tracking and reporting of DR performance.
- Provides detailed compliance and audit reporting.
- Eliminates costly and time-consuming DR testing processes.
- Works with VMware, Hyper-V and Physical Windows.



ReliableDR Job Summary Dashboard

ReliableDR’s Job Summary Dashboard provides at-a-glance recovery risk and recovery objective compliance for any application.

ReliableDR as:	How it Works	Deployment and Pricing
<b>Recovery Assurance in the Unitrends Cloud</b>	Use ReliableDR to perform a full validation test of your VMs protected by Unitrends Disaster Recovery Services (DRaaS). After initial setup, Unitrends Cloud Ops also provides monthly Recovery Time Actual (RTA) reports via ReliableDR.	Priced per VM with your Unitrends DRaaS subscription. Runs in the Unitrends Cloud
<b>Recovery Assurance at Your Site</b>	Run ReliableDR along with your Unitrends backup appliance to validate backups at your sites, including your on-premise and off-premise sites if required.	<ul style="list-style-type: none"> <li>• Included with Unitrends Enterprise Backup Enterprise Plus Edition.</li> <li>• Available as an add-on to Recovery Series appliances.</li> </ul>

“ ReliableDR is unique. It eliminated the need for manual DR testing & guarantees that our RPO & RTO for email & other business critical IT services can always be met—whatever the scenario. ”

- Santalucia Insurance

**ReliableDR allows you to:**

- Provide your organization with continuous proof that IT services are fully recoverable, with 100% automated DR failover, failback, and testing, with no production impact.
- Schedule testing based on your organization’s needs—hourly, daily, or weekly.
- Automatically certify that RPOs and RTOs are achieved for VMware and Hyper-V virtual machines, and Windows (Physical or GOS).
- Dramatically reduce the time, expense, and resources required to ensure business continuity.
- Validate the recovery of heterogeneous, multi-tier applications across an entire infrastructure.
- Deliver complete reporting to satisfy regulatory compliance requirements.
- Automate application-aware testing with out-of-the-box test suites for Windows Server and Linux virtual machines—including popular applications like Exchange, SQL Server, and Active Directory, and applications running on Linux such as MySQL and web services.
- Test recoverability of heterogeneous multi-tier applications in a single job.
- Get immediate detection and alerting of deviations in Recovery Time Actual and Recovery Point Actual via at-a-glance dashboards, exported reports, email reports, and SNMP alerts.
- Expedite BC/DR audits using pushbutton automation to spin-up applications when requested, without disrupting production.
- Obtain ReliableDR use stats in real time to facilitate pay-per-use for cloud-based Recovery as a Service.
- Integrate recovery assurance with backup and recovery on Unitrends physical and virtual appliances.

Recovery Step	Result	Progress (%)	Start Time	End Time	Description
Exchange		62%	01/22/2015 11:03		
Refresh Data	✓	100%	01/22/2015 11:03	01/22/2015 11:03	Refreshing virtual machines
Replicate VM	✓	100%	01/22/2015 11:03	01/22/2015 11:04	
Power On VM		0%	01/22/2015 11:04		
Boot order: group 1		0%	01/22/2015 11:04		
SLC-DC02 (exchange)JUNI		28%	01/22/2015 11:04		Running Application script tests
Change Network Settings - Local	✓	100%	01/22/2015 11:05	01/22/2015 11:06	Script execution has finished successfully
Microsoft Exchange Address Book	✓	100%	01/22/2015 11:06	01/22/2015 11:06	Exit Code: 1. Result: The service is not running
Microsoft Exchange Search Index	✓	100%	01/22/2015 11:06	01/22/2015 11:06	Script execution has finished successfully
Microsoft Exchange Protected Ser	!	100%	01/22/2015 11:06	01/22/2015 11:06	Exit Code: 1. Result: The service is not running
Microsoft Exchange IMAP4	!	100%	01/22/2015 11:06	01/22/2015 11:06	Exit Code: 1. Result: The service is not running
M E. Server Extension for Window	!	100%	01/22/2015 11:06	01/22/2015 11:07	Exit Code: 1. Result: The service is not running
Microsoft Exchange POP3	!	100%	01/22/2015 11:07	01/22/2015 11:07	Exit Code: 1. Result: The service is not running
Microsoft Exchange Unified Mess	!	100%	01/22/2015 11:07	01/22/2015 11:07	Exit Code: 1. Result: Cannot find any service with s...
Microsoft Exchange Throttling		0%	01/22/2015 11:07		Configuring GuestFileManager...

ReliableDR Running Job Dashboard - Testing Microsoft Exchange

ReliableDR verifies recovery of applications as well as virtual machines.

Ready for Recovery Assurance in your environment? [Download a free trial](#) of ReliableDR today.

**About Unitrends**

Unitrends delivers award-winning business recovery solutions for any IT environment. The company’s portfolio of virtual, physical, and cloud solutions provides adaptive protection for organizations globally. To address the complexities facing today’s modern data center, Unitrends delivers end-to-end protection and instant recovery of all virtual and physical assets as well as automated disaster recovery testing built for virtualization. With the industry’s lowest total cost of ownership, Unitrends’ offerings are backed by a customer support team that consistently achieves a 98 percent satisfaction rating. Unitrends’ solutions are also sold through a community of thousands of leading technology partners, service providers, and resellers worldwide.