

5 Benefits of Full Stack Disaster Recovery in Oracle Cloud Infrastructure for IT Managers

Your team has a long list of projects that need their attention, which means you need to deliver reliable disaster recovery quickly with as few resources as possible. Full Stack DR is a very smart disaster recovery management tool that helps you create, maintain, and test recovery plans that orchestrate end-to-end recovery for entire business systems in less time with less effort.

Automatic DR plan creation

Create recovery plans for OCI infrastructure and platform in minutes with the click of a button, eliminating days or weeks of manual work.

[Read more about this benefit](#)

Customize DR plans

Easily extend recovery plans to include Oracle and non-Oracle applications, legacy systems, custom scripts, specialized middleware, or anything else that needs to be recovered as part of a single workflow.

[Read more about this benefit](#)

Automatic plan maintenance

Recovery plans automatically adapt to routine changes your staff make to OCI resources managed by Full Stack DR, eliminating overhead and risk of human error.

[Read more about this benefit](#)

Zero downtime testing

Eliminate the need for an entire recovery team to test recovery. Execute simulated failovers at any time with a single button without impacting your production workload.

[Read more about this benefit](#)

Resumable recoveries

Recoveries automatically pause if any issues are encountered, allowing your recovery team to solve problems and then resume where the DR plan left off.

[Read more about this benefit](#)

Ready to learn more?

Learn how your organization can quickly deliver reliable disaster recovery with fewer resources and less effort using OCI Full Stack Disaster Recovery.

[Learn more](#)

CUSTOMER SUCCESS

“When Oracle Full Stack Disaster Recovery was brought to my attention, I thought ‘This is perfect!’ Our DR plans always lived in spreadsheets and documents, and it was unclear what to do if a real disaster actually occurred. Now the configuration lives right within the cloud infrastructure we’re running on and can be executed easily.”

Glenn Hirshon, Director of Management Company Accounting Systems, Sculptor Capital Management



1 Create DR plans for drills, failovers & switchovers in a matter of minutes for fully automated, end-to-end recovery of IaaS and PaaS resources

Intelligent recovery orchestration

Full Stack DR is a very smart disaster recovery management tool that helps you create, maintain, and test recovery plans that orchestrate end-to-end recovery for entire business systems without spending a lot of time manually setting up and maintaining DR configurations.

You use OCI services to create, install, configure, deploy the OCI resources and applications for disaster recovery in a way that fits your unique requirements. Design DR solutions that solve your unique challenges, then use Full Stack DR to quickly build, customize and maintain disaster recovery plans that orchestrate recovery in a way that fits your requirements.



Single button plan creation in minutes

Spend an hour or two adding supported OCI IaaS and PaaS resources to a DR configuration. Then build complete DR plans for failovers, switchovers & zero downtime recovery drills in a few minutes with the click of a button.

No code DR for IaaS and PaaS

Full Stack DR features built-in intelligence for OCI IaaS and PaaS resources that automatically populates DR plans with the correct steps in the right sequence without writing a single line of code, eliminating days or weeks of manual labor.

QuickDR minimizes the learning curve

QuickDR is an easy way to set up fully automated, end-to-end recovery across OCI regions for one or more OCI Compute instances in a few minutes without having to know anything about Full Stack DR. Select any compute instance to get started.

Expand on QuickDR

You can add any number of other supported OCI IaaS & PaaS resources after QuickDR has created an entire DR configuration for one or more compute instances. DR plans are automatically updated with 100% of the recovery steps, eliminating the need to document changes.



2 Easily customize DR plans to include applications, or anything else that needs to be recovered as part of a single workflow

Maximum flexibility

Full Stack DR is an extensible orchestration platform that eliminates the complexity of managing disparate recovery procedures across your entire IT ecosystem.

Through user-defined plan groups and steps, your team can seamlessly integrate Oracle and non-Oracle applications, legacy systems, and other OCI services into a single, automated workflow—reducing recovery time objectives, minimizing human error, and ensuring consistent execution when every minute counts.

This extensible framework means you're not locked into multiple vendor-specific solutions or forced to maintain multiple recovery tools. Instead, you gain the flexibility to protect your unique technology investments while standardizing on one reliable, testable recovery process that scales with your business.



Integrate applications and services into DR plans

The entire purpose of user-defined steps is to allow your team to seamlessly integrate recovery orchestration for Oracle, non-Oracle, and in-house applications or OCI services that do not have their own native DR capabilities.

Customize the order of operations in DR plans

Add custom, user-defined steps at any point in existing DR plans, giving you complete control over the recovery workflow and sequence of operations.

Custom steps use familiar tools and automation

User-defined steps invoke commands or scripts written in bash, Java, Python, Perl, or any other language installed on the Windows and Linux VMs that are included in your DR plans, which means your team can use existing automation and tools they are already know.

Use native OCI developer resources

User-defined steps can also invoke automation you've built using OCI developer resources like Ansible, Terraform, SDK, CLI, PowerShell and OCI Functions. You can even use OCI tools like Resource Manager, Ansible and Terraform to setup and maintain Full Stack DR.

3 Full Stack DR reduces operational overhead by automatically adjusting DR plans whenever changes are made to infrastructure or platform

Increased reliability with less overhead

Full Stack DR dramatically improves operational efficiency by automatically maintaining DR plans as your infrastructure and platform resources evolve.

Full Stack DR instantly updates DR plans without manual intervention whenever teams add or remove member resources in DR protection groups, eliminating the time-consuming task of keeping DR documentation current. This automation reduces human error that typically occurs when DR plans fall out of sync with actual environments, ensuring recovery operations execute reliably with the correct steps and current OCI resources.

By removing the manual overhead of DR plan maintenance, your IT staff is free to focus on strategic initiatives while guaranteeing that disaster recovery procedures remain accurate and executable when they're needed most.



Stay in sync with routine changes

DR plans are automatically updated as administrators add or remove member resources, keeping individual recovery steps synchronized with routine changes to the infrastructure and platform hosting your business system.

Plan refresh enforces quality assurance

Automatic plan updates put DR plans into a state that requires a human to step through a plan refresh workflow to review and approve modifications, ensuring quality control standards are met before a recovery operation is needed.

Enforced integrity check of all resources

The plan refresh workflow checks the readiness of both modified and unmodified member resources, preventing hidden configuration drift that could cause failures during critical recovery operations.

Eliminate the overhead of manual updates

Automatic plan updates eliminate technical debt from the need to keep separate recovery documentation current, preventing gaps in documentation that could cause costly failures during a recovery operation.

4 Single-button DR drills and prechecks validate the readiness of your DR plans for failovers and switchovers without impacting production, ensuring you are ready whenever disaster strikes

Proactively validate readiness

Full Stack DR ensures DR plan reliability through two different integrated mechanisms: automated prechecks and comprehensive DR drills. Prechecks automatically validate plan integrity by verifying critical aspects of infrastructure and database and access to custom automation, alerting users to inconsistencies before execution.

DR drills create a realistic test environment in the standby region using cloned infrastructure and databases, enabling full synthetic failovers in the standby region without impacting production workloads.

Both mechanisms launch with single-button simplicity, providing IT teams with proactive validation that builds confidence in recovery procedures while identifying issues before they become critical failures during an actual recovery operation.



Eliminate administrative overhead

Prechecks only take a few minutes to complete, eliminating the time-consuming manual work that IT teams typically spend verifying DR readiness. Prechecks also reduce the risk of human error while manually reviewing complex recovery processes.

Validate without impacting production

Prechecks and DR drills are fully automated, non-intrusive processes that can be executed during normal work hours without operational risk to production workloads.

Simulate failover of IaaS & PaaS with a click

DR drills enable a single person to deploy copies of infrastructure and database in the standby region, reducing operational overhead by eliminating complex team coordination.

Verify recovery with less stress

DR drills remove testing pressure by providing a dedicated validation environment in the standby region where teams can verify connectivity and system readiness without time constraints or production risk.

5 DR plans contain an entire recovery workflow, eliminating human error and ensuring consistent, rapid disaster recovery for each business system

A simple way to begin a complex recovery

DR plans orchestrate an entire recovery workflow with the click of single button, transforming complex disaster recovery into a controlled, transparent process that IT teams can trust.

Whether managing planned switchovers or emergency failovers, a DR plan execution provides real-time visibility into every recovery step, automatically pausing on errors for issue resolution, and allows selective retry or skip of failed steps. Complete execution history with detailed logs, timelines, and outcomes ensures accountability and enables continuous improvement of recovery procedures.

This eliminates guesswork during critical situations, reduces recovery time through automated orchestration, and provides the audit trail necessary for compliance and post-incident analysis - giving IT managers confidence that recovery operations are both reliable and defensible.



Consistent automated recovery workflows

DR plans execute identical recovery workflows every time, ensuring predictable outcomes and efficient resource utilization during critical disaster recovery operations.

Faster recovery times

Automated DR plans execute recovery workflows significantly faster than manual processes, eliminating human errors, minimizing downtime, and reducing business impact during disaster scenarios.

Real time monitoring of recovery

Monitor every recovery step in real time with live status updates, detailed logs, and immediate problem alerts enabling rapid intervention when needed.

Comprehensive Audit Trail

Full Stack DR maintains complete audit trails of all DR plan executions, preserving detailed logs, timelines, and outcomes for compliance reporting and continuous improvement analysis.