



Business Continuity Planning (BCP) and Disaster Recovery using Oracle Cloud Infrastructure

Following an outage:

35%

of organizations lost at least one mission-critical application – 11.7% for hours at a time

24.3%

lost multiple mission-critical applications

18.8%

lost most or all of their data center functions

12.1%

loss data that could not be recovered

Source: blog.storagecraft.com

A disaster, especially an unprecedented one, can do far more damage than hit an organization in the pockets. It hinders core operations and puts business continuity in serious jeopardy. However, with adequate planning, enterprises can eliminate the costs regarding time and lost sales.

Given such dire consequences of not having a plan, having a Disaster Recovery (DR) plan is expensive too. For enterprises, it is important to-

1. Possess a DR solution that they can completely rely on,
2. Have confidence that whenever a disaster occurs, once a fail-over happens, the business can continue operating,
3. Assurance that they can fall back on to their primary site when the time is right, and that the fall back would be as smooth as the fail over.

Oracle Cloud-Based Disaster Recovery with Cloud4C

Having set-up DR for mission-critical workloads for 600+ enterprises worldwide, we believe that Oracle Cloud Infrastructure (OCI) offers good price/performance ratio for DR solutions, not just for Oracle workloads, but for general-purpose Linux and Windows-based workloads as well. Customers can implement a fully tested solution on OCI that is 100% automated to maintain and test, is easily 50% less expensive than comparable on-premises solutions, and is secure and audit compliant.

Cloud4C helps enterprises save costs by setting up DR on OCI. Organisations having Oracle Install base running from on-premises or third-party DC looking for cost-effective and compliance-ready DR solutions on Cloud should be looking at Cloud4C and OCI as a strong choice.

Rapid implementation using Oracle Cloud and Cloud4C proprietary automation and tooling

Automated database sync using Active Data Guard on Oracle Database Cloud Service

Multiple RPO/RTO options give enterprises control over availability vs. cost

Pre-provisioned resources are launched in minutes to ensure rapid recovery when a disaster occurs

Scenarios we actively support



Cost-effective managed DR solution on OCI



DR solution on Hybrid platform (OCI + Azure)



Compliance-ready Setup



Maximum Availability of application during IT disruption

Combat Challenges with Current Disaster Recovery Plans

Minimize capital investment in data centers

Meet business and data requirements

Not penalised for lack of knowledge of existing or potential threats

Eliminate maintenance and upgrade costs

Be prepared for natural disasters

Prevent losses due to inadequate planning, burgeoning budgets for DR & Ransomware attacks

Successful Implementation of DR Requires Planning

Business Impact Analysis

- Assessment of BCP document and understanding of BIA, business process and workload for identifying the business impact of IT applications
- Inventory of technical assets required

Business Continuity Plan

- Business acceptable level of risk
- Analysis of business risk, application dependencies, defining the RPO/RTO

Disaster Recovery Strategic Plan

- Architecting the DR solution on OCI platform
- Identifying replication tools and methodology to achieve the RPO and define the RTO
- Implement DR on OCI platform with SLA backed with RPO/RTO and managed services

Business Impact Analysis

- Conduct periodic DR drills, failover to DR site in event of DR and fallback to primary site post DR situation
- Test, revise as necessary and update the plan every 6-12 months

Cloud4C: Key Benefits

Cloud4C, partnered with Oracle, delivers a completely automated DR Solution on Oracle Cloud. Using a proprietary and matured workloads management platform that supports multiple clouds and hybrid deployment scenarios, we support all applications and all data configurations without any application rewrites, for every environment.

Flexible RPO/RTO options customised to business needs and cost objectives

Flexible DR as a Service plans and simple DR testing reduces costs and effort by up to 80%

Dynamic provisioning lowers costs by provisioning servers on time at the DR

Selective sync for policy-driven replication and prioritization

An experienced, expert team ready to help out 24x7x365

Continuous Improvement

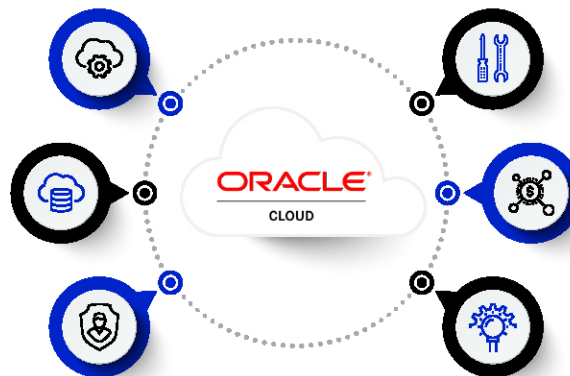
- Robust Change and Learning Management process
- 2 Drill per annum with simulation of DR events

Backup & Replication

Oracle Cloud Native Backup, Commvault Replication - ASR, Veeam, Native DB replication

Total Ownership

- Implementation
- Manage Entries Applications
- Evaluations
- Performance Tuning
- Build High Availability Architecture
- Restoration up to the primary site, post DR



End-to-End Managed Services

- 24/7 monitoring of DR set-up with ownership of DR SLA
- Focused and efficient delivery from technologies/services based Centers of Excellence

Cost Optimized

DR on demand model enables Pay only when you use options for the enterprises

Consulting Services

- Assess the current scenario and define the best BCP and DR approach for their various workloads
- Architecture planning
- Proof of Concept
- GCP Onboarding
- Design and Plan High Availability Architecture

Cloud4C Expertise in Disaster Recovery as a Service (DRaaS) Tools



Cloud4C Enterprise Backup Solutions

Our expertise with all leading public cloud platforms makes it easy for us to maintain and manage enterprise backup in hybrid cloud environments. We abstract complexities and integrate solution components presenting a reliable and cost-effective solution that extends to hybrid environments. Cloud4C automates processes, operates and manages the solution and offers 24/7 support with an assured SLA irrespective of environment landscape.

Scope of services:

CLOUD4C ENTERPRISE BACKUP SOLUTIONS

- Validate pre-requisites for agent installation
- Firewall policy implementation
- Configure backup communication network and backup policy template

- Install backup agent installation in source machines and define targets
- Schedule backup jobs and manage backup storage
- Create and manage backup retention policy
- Configure alert on backup job failure

- Monitor backup jobs for successful backup
- Troubleshoot and trigger halted backup(s)
- Restore the backups in case of disaster/data loss/storage failure

- Create backup policy documentation
- Generate backup summary report on periodic basis
- Perform backup storage optimization

Create, automate and manage lifecycle rules for cost optimization

Integrate with Public Cloud platform services for data sovereignty and industry compliance needs



A Proven Oracle Partnership with Cloud4C

The team at Cloud4C and Oracle have been working together to deliver value to clients for more than a decade now. Oracle's extensive data center modernization technologies, coupled with Cloud4C's deep industry experience and certified cloud experts, help you to streamline business processes, improve decision making, and accelerate data modernization.

Why Cloud4C?

- Dedicated Oracle Center of Excellence with Oracle Certified Resources
- Asia's largest Cloud Managed Services provider
- Experience in managing oracle engineered systems
- Deployed more than 600 DR setup across industry vertical
- Experience of conducting more than 5000 DR drills
- Zero downtime and data loss DR solutions
- Robust framework using industry standards - IT BCP Compliance ISO 22301 BCRS
- 24x7x365 monitoring of DR setup with ownership of DR SLA.
- 4-tiered cloud-based DR services with customized DR capacity
- End-to-end responsibility of managed DR setup along with replication with maintaining the SLA for RPO/RTO
- 2000+ Certified Resources in various stream (CloudOps, Cloud Architect, Security, DevOps, SAP on Public Cloud platforms, Transformation and migration)
- Migrated 40000+ Instances and 8000+ Databases
- Presence in 25 countries and 52 locations
- Oracle Cloud native and Third Party Replication Tools

Free Disaster Recovery Assessment

Every environment is unique and we'll customize a solution just for you. Let's talk to see how we can help you reap the benefits of business continuity on Oracle Cloud.

