

Disaster Recovery as a Service for Kubernetes & Red Hat OpenShift

Re-Imagine Disaster Recovery for IKS, ROKS, & On-Premise Clusters



IBM Cloud

Setup On-Demand Backups to Cloud in Minutes!

Wanclouds' Disaster Recovery as a Service (also called VPC+ DRaaS) offering reduces the financial investment and technical complexities that often halt or delay businesses from setting up disaster recovery protections and ensuring compliance requirements. This managed offering, orchestrated through Wanclouds' VPC+ product and support, ensures business continuity in cases of any unforeseen natural disasters or ever-increasing security risks threatening businesses.

With VPC+ DRaaS, covering on-premise Kubernetes or Red Hat OpenShift or existing IBM IKS or ROKS, you can discover cluster resources, configurations, data (PVCs), VPCs and back it up in a holistic manner to your IBM Cloud Object Store (COS) in a desired region. Moreover, existing VPC configurations are also backed up along with the cluster configurations. These backups and apps can be restored into an existing VPC in IBM Cloud or a new one can be created in minutes and workloads restored on-demand. The entire on-demand DR setup can take a few minutes to a few hours. It helps users save significant time as well as avoid the costs of creating a live replica of the primary production deployment if it's not required. Additional backup scenarios outside of Kubernetes, Red Hat OpenShift such as for data and VMs are also available and can be requested.

Key Value Proposition

Wanclouds Inc. has introduced a very simple, cost-effective, and comprehensive approach to disaster recovery leveraging a hybrid cloud strategy. This is a managed approach and it doesn't require you to understand complicated scripting languages or require you to be an expert on multiple tools to build your disaster recovery solution on IBM Cloud. More importantly, it eliminates the need for lengthy processes and expensive consulting expertise.

Resource Coverage

With Wanclouds' VPC+ DRaaS you can backup and restore your Kubernetes and Red Hat OpenShift clusters' configurations, application data and inter-resource relationships.

KUBERNETES AND RED HAT OPENSIFT (ON-PREMISE OR CLOUD MANAGED CLUSTERS)

- Worker nodes
- Worker pools
- Services
- Pods
- Namespaces
- Secrets
- StatefulSets
- DaemonSet
- Deployments
- Config Maps
- Custom Resource Definitions
- Persistent volumes
- And all the other relevant resources and workloads running within the On-Prem Kubernetes and Red Hat OpenShift clusters

BACK UP VPC DESIGN, NETWORK FUNCTIONS & CONFIGURATIONS (ALONG WITH IKS, ROKS)

- Zones and Regions
- IP Addressing and Subnets
- Virtual Machines (VMs) Profiles and images
- Security Groups
- Cloud Load Balancers
- Firewall (ACL) Configuration
- VPN Configuration
- SSH Keys
- Network Address Translations (NAT) Rules
- Content Delivery Networks or Caching (CDN)
- Public Gateway
- Target Groups or Resource Groups

Key Features

- **Discover**
No need for multiple tools. Discover on-premise or cloud-managed Kubernetes, Red Hat OpenShift Deployments and Data using Wanclouds VPC+ DRaaS offering.
- **Backup**
Back up your cluster(s) to the IBM Cloud Object Store (COS) of your choice. Backup both the configurations manifest files as well as Data (PVCs) for On-Premise clusters. Moreover, backup VPC networking construct and configurations along with cloud-managed clusters. Setup policy for periodic backups
- **Restore On-Demand**
Restore backed up workloads and applications into an existing VPC on IBM Cloud or create a new VPC and restore on-demand in any region across IBM Cloud.
- **Single Pane of Glass**
Have a consolidated view of all your backups (Kubernetes, Red Hat OpenShift, VPC configs, VMs, Data) under a single-pane-of-glass
- **Reduced complexity** by eliminating the need for different tools, scripts, and extensive cloud knowledge
- **Reduced costs** Setup DR in the most optimal way and no need to hire expensive consultants or DevOps resources
- **Flexible and scalable backup** both on-prem and cloud managed clusters, restore specific workloads on-demand in existing or new regions.
- **Efficient RTO and RPO** setup your DR according to your RTO and RPO goals
- **Fast** create DR in minutes with our fully managed process eliminating the hassles of learning new tools or required cloud technologies.
- **Secure** Data stays within the customer COS buckets
- **Pay per Use** fully managed offering with a pay as you go model. Price is per resource (a resource can be Kubernetes node, a VM, a single VPC construct)

Why choose Wanclouds for IBM Cloud Disaster Recovery?

With VPC+ DRaaS for IBM Cloud., you gain access to a global cloud infrastructure and a flexible, automated process that enables you to seamlessly establish a reliable, flexible and highly-available disaster recovery (DR) solution. This is a managed offering eliminating the hassles and delays of setting up hybrid cloud or multi-region DR. Cloud environments for on-premise backups can be set up ahead of time for on-demand restoration in the most cost-effective manner. Your organization can back up and restore multiple workloads and resources on an as-needed basis with a single pane of glass to mitigate risks and enable continuation while realizing significant cost savings.

VPC+ DRaaS is a validated solution for IBM Cloud users. It is available on IBM Marketplace and can be purchased from there.

Getting started is easy, we provide

Submit a request on our [website](#)

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Disaster Recovery as a Service for IBM Cloud

Protect and Diversify your organization's cloud-native workloads by backing them up to IBM Cloud or regions across IBM Cloud for on-demand restore. Add one or multiple accounts and clusters (on-premise or IKS, ROKS, VPC configs and more) under a single pane of glass. Create peace of mind by backing up your infrastructure blueprints, Kubernetes, or Red Hat Openshift clusters and having the ability to restore whenever you want and wherever you want (any IBM Cloud regions).

- Request or order Disaster Recovery Service
- Onboard the customer on Wanclouds VPC+ DRaaS solution
- Discover On-Prem Kubernetes or Red Hat Openshift clusters and workloads
- Create IBM Cloud VPC (as landing zone for restore)
- Backup on-prem clusters to IBM Cloud
- Test and verify on-demand restore procedure and options

Backup & Restore:

- Discover and backup Kubernetes clusters
- Backup Red Hat OpenShift clusters
- Backup persistent data volumes (PVCs)
- Setup policy for on-prem clusters
- Restore on-demand and translate to IBM IKS (managed Kubernetes service)
- Restore on-demand and restore to IBM-managed Red Hat OpenShift clusters (ROKS)
- Restore specific applications or workloads
- Restore whole clusters into existing or new VPCs.
- An additional benefit is to backup any existing IKS/ROKS and restore them in any IBM region
- Data is backed up in an encrypted format and always stays within the user account.

Additional Offerings for Multi-Cloud Migrations and Disaster Recovery for IBM Cloud

Wanclouds has a very comprehensive portfolio around multi-cloud disaster recovery and migrations for VMware, SAP on VMware, Linux, Windows, Networking, Kubernetes, Red Hat OpenShift, IBM Cloud Satellite and Data which are offered as a white-glove service leveraging our product and cloud expert team. Wanclouds is ready and standing by to assist you with every step of your IBM Cloud journey.

To know more, please reach out to our sales team for further assistance.

Wanclouds Inc. is a leading multi-cloud SaaS solution and managed service provider. We help enterprises with cloud deployments, migrations, disaster recovery, and protecting their cloud infrastructure in time and cost-efficient ways.

We look forward to assisting you with your **IBM Cloud journey**.

Contact us: info@wanclouds.net or visit: www.wanclouds.net/ibm