



Navu Disaster Recovery Plan

Incident Acknowledgement & Initial Response

- **Objective:** Communicate downtime and begin mitigation immediately.
- **Actions:**
 - Update Cloudflare configuration to redirect all incoming traffic to temporary “We’re Down” informational endpoints.
 - Post downtime notice and ongoing recovery status updates to the public **status page**, internal communication channels (Slack/email), and client notification systems.
 - Activate the Disaster Recovery Team and establish coordination protocols.

Provision Temporary Hosting Environment

- **Objective:** Re-establish infrastructure backbone.
- **Actions:**
 - Acquire new infrastructure from a cloud provider (e.g., **OVH**, AWS, GCP, or another suitable vendor).
 - Provision core infrastructure with minimum required specifications to restore critical services.

Virtual Machine and Cluster Deployment

- **Objective:** Deploy baseline infrastructure.
- **Actions:**
 - Launch virtual machines or cloud instances for:
 - VPN services
 - MongoDB clusters (primary and replicas as per original configuration)
 - Kubernetes (K8s) clusters

Configuration and Content Restoration

- **Objective:** Reinstate system states using known-good configurations.
- **Actions:**
 - Use existing **provisioning tools** to configure systems.
 - Restore application data, system configurations, and service settings from **latest available backups**.
 - Validate integrity of each restored node before moving to next.

Service Reprovisioning

- **Objective:** Resume critical production services.
- **Actions:**

- Reprovision all services into the new Kubernetes environment.
- Ensure appropriate configurations and secrets are applied.
- If required, **regenerate indexes** or cached content from customer sites.

Internal DNS Repointing & Testing

- **Objective:** Ensure internal routing is restored and systems are operable.
- **Actions:**
 - Update **internal DNS records** to point to the new Kubernetes service endpoints.
 - Conduct thorough testing to validate end-to-end functionality of core services.
 - Monitor logs and metrics for errors or regressions.

Cloudflare Load Balancer Update

- **Objective:** Resume external service access.
- **Actions:**
 - Update Cloudflare configuration:
 - Adjust load balancer endpoints

- Replace temporary maintenance endpoints with actual ingress routes to new hosting environment
- Validate SSL/TLS settings, caching behavior, and rate limiting are functioning correctly.

Full Service Restoration

- **Objective:** Reintroduce all non-essential systems.
- **Actions:**
 - Restore additional operational services:
 - Monitoring & alerting tools (e.g. Grafana)
 - Analytics & logging systems
 - Developer environments, CI/CD pipelines, etc.
 - Conduct a final **system-wide validation** and debrief.