

# Disaster Recovery with Google Cloud Firestore Backup

Implementing a robust disaster recovery solution leveraging Google Cloud Platform's Firestore and Cloud Workflows.

# Disaster Recovery Solution Overview

## Continuous Backup

Automated backups of Firestore data on a scheduled basis.

## Rapid Restoration

Quick recovery of data using Cloud Workflows in the event of an outage.

## Secure Storage

Backups stored securely in a separate GCP region.

## Scalable Solution

Handles growing data volumes and changing business needs.

# Leveraging Google Cloud Platform

## Firestore Database

Fully managed NoSQL document database for storing application data.

## Cloud Workflows

Serverless workflow orchestration for automating backup and recovery processes.

## Cloud Storage

Highly durable and secure object storage for backing up Firestore data.



# Firestore Backup with Cloud Workflows

1

## Backup Trigger

Cloud Workflow triggered on a scheduled basis to initiate Firestore backup.

2

## Data Extraction

Workflow exports Firestore data to Cloud Storage as a backup file.

3

## Backup Verification

Workflow checks the integrity of the backup file before completing.

# Workflow Design and Automation

1

## Workflow Orchestration

Leveraging Cloud Workflows to coordinate backup and recovery steps.

2

## Automated Execution

Scheduled workflows run without manual intervention for consistent backups.

3

## Scalable Workflows

Workflows scale to handle increasing data volumes and changing requirements.



# ARCHITECTURE DIAGRAM

## Firestore Backup Via Cloud Workflows



# Conclusion and Key Takeaways

**1**

## **Resilient Solution**

Robust disaster recovery capabilities to protect critical business data.

**2**

## **Automated Workflows**

Streamlined backup and recovery processes with minimal manual intervention.

**3**

## **Cost-Effective**

Leveraging the scalability and efficiency of Google Cloud Platform.

**4**

## **Continuous Improvement**

Ongoing testing and optimization to ensure the solution remains effective.