

**Document Title:** Disaster Recovery Plan: CB Automation

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**1. PURPOSE & SCOPE** This Disaster Recovery Plan (DRP) outlines the necessary procedures to restore the CB Automation App and its associated MariaDB/MySQL databases in the event of hardware failure, cyberattack, or critical software corruption.

**2. BACKUP PROTOCOLS** To ensure zero data loss regarding issued certificates and IAF CERTSEARCH reporting, the following backup schedules must be maintained by the System Administrator:

**Database Backups:**

Automated SQL dumps of the CB Automation database must be executed daily.

**File System Backups:**

The entire web directory (e.g., /home/sites/cb) and the /includes folder containing critical configuration files (like cb\_cert\_functions.php) must be backed up weekly or before any system update.

**Off-site Storage:**

All backups must be securely transferred to an off-site server or secure cloud storage independent of the primary hosting environment.

**3. RESTORATION PROCEDURE (RTO & RPO)** In the event of a catastrophic failure:

**Environment Provisioning:**

Deploy a clean Linux/Windows environment with Apache/Nginx, PHP 8.2/8.4, and MariaDB 10.4+.

**File Restoration:**

Extract the latest File System backup into the designated web root directory. Ensure proper ownership and permissions (e.g., www-data or apache).

**Database Restoration:**

Create a new database and import the latest daily SQL dump.

**Configuration Check:**

Verify that the database credentials in the configuration file and the IAF\_API\_KEY in /includes/cb\_cert\_functions.php are intact.

**Service Resumption:**

Restart the web server and verify that the Client Portal and Admin Dashboard are fully accessible.