

DNS Client DR Test Plan

Summary

This Domain Name System (DNS) plan supports teams that shift into Disaster Recovery (DR) mode. These teams provide lists of updated records to redirect their DR services for the test's duration.

Revision History

Version	Author	Date	Comment
1.0	RKeller	4/27/2026	Initial version

Prerequisites

- PowerShell 7.6.1
- `Posh-IBWAPI` PowerShell Module for Infoblox

Assumptions

This process changes many production records. Read the **Procedure** section and verify operations before execution.

Validation

Validation is located in the following files:

- `ExecutedDRList_validated.csv`
- `RollbackList_validated.csv`
- `Failover_Expected_Changes.csv`
- `Failback_Expected_Changes.csv`

The **validated** files confirm that exports have corresponding **Infoblox** records.

The **Expected changes** files contain confirmed failover and failback operations.

Procedure

Perform this procedure once the DR test scope is frozen.

1. Retrieve the automation scripts from the GitLab repository and save them to a clean working folder.
2. Access the DNS Aliases site to generate export files. These contain active DNS records that record owners have confirmed can be toggled to DR mode.
3. Save these in the clean working folder created in step 1.
4. Before the DR test date, execute `<script name>` to generate two files named `ExecuteDRList_validated.csv` and `RollbackList_validated.csv`. This process parses output from the DNS Aliases site and correlates the data with record information in Infoblox. Use the data with the failover and failback scripts.
5. Execute `<script name>` to failover to DR. This produces the file `Failover_Expected_Changes.csv`. It contains before-and-after values and post-change confirmations of record updates. Use this file to document cutover successes or issues.
6. To fail back, execute `<script name>`, which records test information in `Failback_Expected_Changes.csv`. Use this file to document successful restoration or issues requiring follow-up.