



# File Access Manager Disaster Recovery

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# Overview

## Installation Flow

- Configure all the prerequisites.
- Add a new application to the IdentityIQ File Access Manager Administrative Client.
- Install the Activity Monitor / Permissions Collector / Data Classification services.

Installing the permissions collector and data classification services is optional and should only be installed by someone with a full understanding of IdentityIQ File Access Manager deployment architecture. The IdentityIQ File Access Manager Administrator Guide has additional information on the architecture.

# Configuration

## Server Designation and Configuration

The server designation as Production or Disaster Recovery, as well as the configuration of the services in these servers is performed using the IdentityIQ File Access Manager Server Installer.

### Initial Configuration

When configuring the servers in the initial setup, mark Disaster Recovery (DR) servers, by ticking the Disaster Recovery tick box.

### Disaster Recovery Configuration: Setting the Active Servers

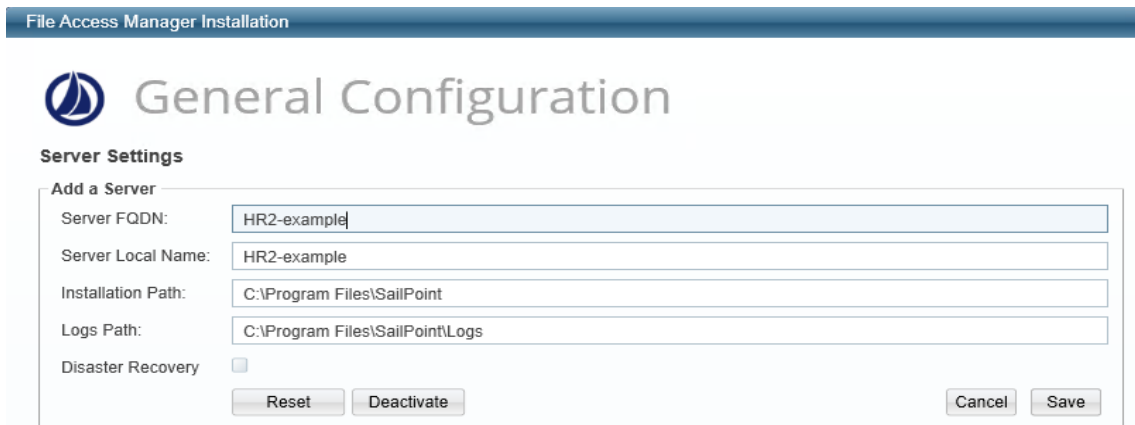
You can set the servers to be active or inactive in the Server Installer. If a server is set to be "Toggle UP", the twin DR Server will be in "Sleep State" (idle). If the Production server is in "Toggle Down" Mode the Twin DR server will be in running state.

The user can set server up and down from any machine.

To set a production server Active \ Inactive

| Server List<br>FQDN | Type | Local Name    | Installation Path     | Logs Path                       |
|---------------------|------|---------------|-----------------------|---------------------------------|
| siq-mtz-Fish2       | Prod | siq-mtz-Fish2 | C:\Program Files\S... | C:\Program Files\SailPoint\Logs |
| siq-mtz-Fish        | DR   | siq-mtz-Fish  | C:\Program Files\S... | C:\Program Files\SailPoint\Logs |

1. Open the Server Installer and connect to an existing DB.
2. Select the Production server which will be activated / deactivated and click the **Edit** button.



3. This will enable the server status buttons:

#### **Deactivate / Activate**

Toggle the server status. This will automatically toggle the corresponding DR server as well

#### **Reset**

Mark the services running on this server as uninstalled (This is necessary when a server should be reinstalled or replaced)

4. Click Activate / deactivate to change the server state
5. Click **save**

## Disaster Recovery Flow

### Switching on Disaster Recovery Mode

Select the production servers and set them back to Inactive (See [Configuration](#) ).

This will set the corresponding DR servers to Active.

Only the Production servers have the Active / Inactive button enabled.

### If the Web Site and / or API Servers are Down

If the web site and / or API servers are down, a manual action will be required for the clients to connect.

There are two possibilities to recover:

- In the DNS server, change the target URL of the web site / API to point to the disaster recovery environment, this is the recommended action and will be the simplest.
- Browse directly to the disaster recovery environment address.

### High Availability Configuration Considerations

In addition to changing the designation of servers as active / inactive, you have to ensure that the relevant servers are listed in the high availability load balancer.

This depends on the types of servers listed in the load balancer:

| Services listed in the load balancer        | Configuration changes required when changing the disaster mode   |
|---|--|
| all Prod services and dr services           | Nothing to change however if you are monitoring the load balancer health checks you will receive many false positives of broken servers. |
| Production services only                    | Update the load balancer to point to the newly activated DR services   |
| Different load balancer for Production & DR | Change the load balancer address inside the server installer load balancer screen.   |

For the Web site load balancer configuration only the second two options are relevant.

### Disaster Recovery Fallback to Production Environment

Select the production servers and set them back to Active (See Toggle above).

This will set the corresponding DR servers to Inactive.

### If the Return to Production Requires Installing the Services

1. Click **>Reset** on the server configuration screen
2. Reinstall the services
3. After completing the installation wait at least 2 minutes to allow all IdentityIQ File Access Manager services to update their configuration
4. Set the Production servers to Active

### **If the Production Server Has to be Replaced**

If the production server cannot be restored, and a new one is required:

1. In the Server Installer add a new server in the server list
2. Continue until the end and click **>save configuration**.
3. Restart the server installer
4. Select the new server in the Server Configuration list, click edit, then deactivate (the new server is not yet ready to be live)
5. Configure the required services on the new server and install them
6. Wait for at least 2 minutes after the installation has completed
7. Turn the new server to active

### **If the Fallback Includes the Production Server of the Web Site/API Server**

In case the fallback includes the production server of the Web site/API server, a manual action will be required for the clients to connect.

The action will be according to the recovery action taken in section “Switching on Disaster Recovery mode”.

- If the DNS server was changed, it should be changed back to point to the Production environment.
- If the DNS server was not changed, you should browse directly to the Production environment address.



# Troubleshooting

## The Reindex Task Marked as Canceled Following a Dr Transfer

In the following scenario, the Reindex task might fail. In this case, run the Reindex manually.

1. Prod Elasticsearch server goes down
2. The user marks the server Inactive in the server installer. This will toggle the parallel server in the DR environment to Active.
3. Reindex activities task starts automatically (which is run by the Scheduled Task Handler service).
4. The server where the Scheduled Task Handler service goes down.
5. The reindex task automatically gets canceled.

In this specific scenario and only if the reindex task was cancelled, create a new reindex task manually.

This is done from the Administrative client Health Center screen

### Unable to see events

#### Symptom

The following error displays in a log file while you attempt to install the monitoring connector:

```
ERROR, WBX.whiteOPS.Agents.FilesMiniFilterActivity Monitor.FileMiniFilterActivity MonitorManager,connect, An unexpected error occurred while you attempt to start the mini-filter:
System.DllNotFoundException:Unable to load DLL 'wbapi.dll': The specified module could not be found.
(Exception from HRESULT: 0x8007007E)-at
WBX.whiteOPS.Agents.FilesMiniFilterActivity Monitor.SafeNativeMethods64.start
(UInt32 bufferSizeInBytes, UInt32 trustedProcessId)-at WBX.whiteOPS.A-
gents.FilesMiniFilterActivity Monitor.FileMiniFilterActivity Mon-
itorManager.connect()
```

#### Reason

Visual C++ 2010 redistributable package was not installed as part of the Activity Monitor service installation.

#### Solution Steps

Perform Step 3 of Activity Monitor Installation, Windows Server Core.

## The application is not in the list of Collector Installation Managers

#### Symptom

The application does not appear in dropdown list of the Collector Installation Managers in the Activity Monitoring

#### Reason

Either the application was not defined or the *Host Name* (defined in section 5.11) does not match the server's short name on which the Collector Installation Manager was opened on.

***Solution Steps***

Create the application in case it does not exist.

In case it exists, make sure the *Host Name* is correct.