Prinergy Job Replication Failover

Quick Reference Card

Overview

This card assumes that a redundant tertiary server is configured with Double-Take® software to monitor the regular tertiary server and provide backup service, as described in the *Prinergy Hot Standby with Double-Take* User Guide (731-00451).

When the regular tertiary server fails, you either initiate an immediate failover or perform a manual failover, after the regular tertiary server has been disconnected from the network.

While in failover mode, the redundant backup tertiary server assumes the monitored server's identity and function, in addition to its own. It collects job data and responds to job requests under the same IP address and AppleTalk® server name as the monitored tertiary server, and it restarts File Services for Macintosh.

Note: Kodak® Prinergy® Workshop client computers that use the Apple Mac OS® operating system software and the Microsoft® Windows NT® operating system might need to refresh their connections after a failover.

After the tertiary server is repaired, you perform the following general steps:

A. Fail-back the repaired tertiary server before reintroducing it into the system.

B. Restore any data from jobs that were modified or created during the failover.

C. Start replicating data from the tertiary server to the redundant tertiary server.

The instructions for restoring operations are detailed on the back of this card.

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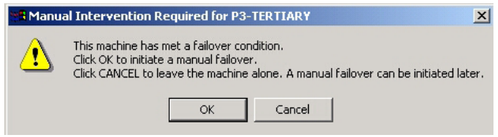
Subject to technical change without notice.

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Internal 732-00128A-EN Rev A

1. When a Regular Tertiary Server Fails

When the backup tertiary server loses contact with the regular tertiary server, the following message appears on the local console:

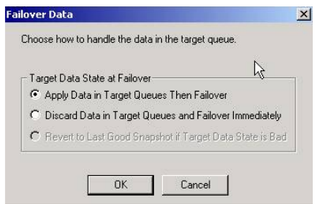
Important: Before you initiate a failover, ensure that the source server is not connected to the network, or it will cause an IP address conflict.



Which button should I click?

- If you need time (for example, to disconnect the failed server from the network), click **Cancel**, and perform a manual failover later. See the procedure that follows.
- To initiate an immediate failover, click **OK**.

If you click **OK, t**he following dialog box might appear:

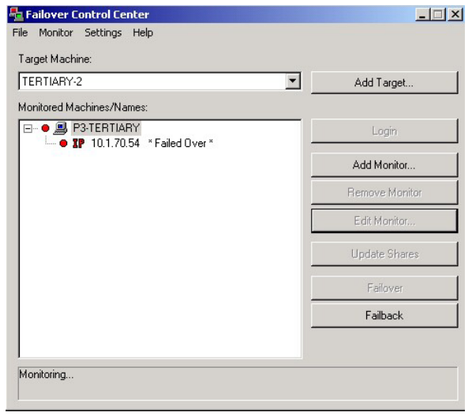


- Select the first option (**Apply Data in Target Queues Then Failover**), and click **OK**.

2. Performing a Manual Failover

Follow these steps when the regular tertiary server fails or when you want to initiate a failover for any reason, such as for servicing or testing.

1. Disconnect the regular tertiary server from the network.
2. At the backup tertiary server, open the Double-Take Failover Control Center (FCC): **Start > Programs > Double-Take > Failover Control Center**.
3. In the **Monitored Machines** list, select the tertiary server that is to be failed over.
4. Click **Failover**, and click **OK** to confirm.
5. Verify that the tertiary server status is *Failed Over*, as shown:



Note:

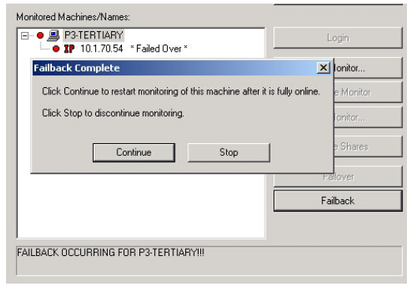
This card uses the following server names in the examples:

- Monitored tertiary server: P3-TERTIARY. This is the source of replicated job data during normal operations.
- Backup tertiary server: TERTIARY-2. This is the target of the data replication.

3. Restoring Normal Operations

A. Failing back the repaired tertiary server

1. Ensure that the repaired tertiary server is not connected to the network.
2. Stop the Prinergy software on all servers:.
3. At the backup tertiary server, open FCC.
4. In the **Monitored Machines** list, select the tertiary server that is currently failed over.
5. Click **Failback**.
6. When the `Failback Complete` message appears, click **Continue**. This releases the name and IP address of the regular tertiary server from the backup tertiary server.
7. If the Manual Intervention dialog box appears, click **Cancel**.



8. Start the regular tertiary server and connect it to the network.

B. Restoring the job data

1. In DTMC, log on to the regular tertiary server.
2. If the **PrinergyJobs** replication set is still connected, disconnect it.

   Note: If this is just a test, you can skip restoration of job data. However, any job data that was modified or created during the failover test will be discarded.
3. Select **Tools > Restoration Manager**.
4. Set up the **Servers** tab as shown:

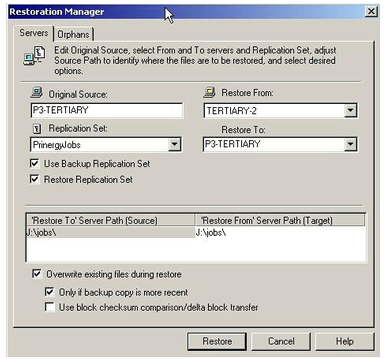
   Original Source: Regular tertiary name

   Restore From: Backup tertiary name

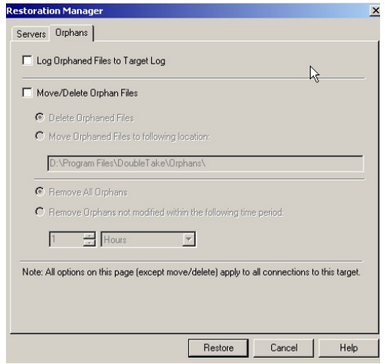
   Replication Set: **PrinergyJobs**

   Restore To: Regular tertiary name

   Select check boxes to match the example.



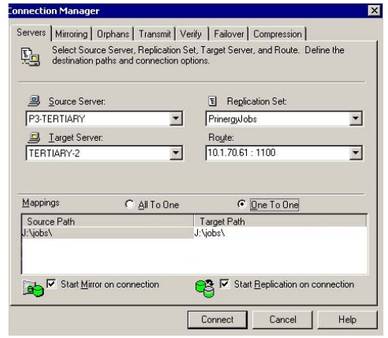
5. Set up the **Orphans** tab as shown.



6. Click **Restore**.
7. Make sure that the process finishes and the replication set disappears.
8. Start the Prinergy software on all servers.
9. Confirm that Prinergy is operating correctly and that all jobs are accessible.

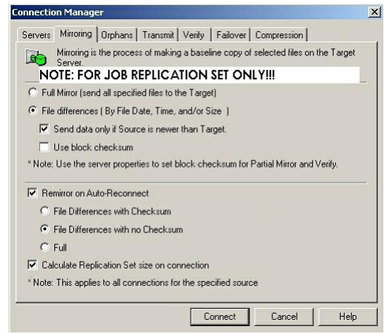
C. Starting replication

1. In DTMC for the regular tertiary server, right-click **PrinergyJobs**, and select **Connection Manager**.
2. Set up the **Servers** tab with the following changes:
   - **Target Server**: Backup tertiary
   - **Route**: Not normally edited
   - **Mappings**: **One To One** (pushes data to the same location on target server as on source server)



3. On the **Mirroring** tab, select:
   - **File differences**
   - **Send data only if Source is newer than Target**.
   - **Remirror on Auto-Reconnect**
   - **File Differences with no Checksum**.

   Leave the other settings at their default values.



4. On the **Orphans** tab, select:
   - **Move/Delete Orphan Files (Delete)**
   - **Remove all Orphans**
5. Click **Connect**.
6. In DTMC, verify that the replication set is listed with a green check mark to indicate that it is replicating without error.