Prinergy Hot Standby with Double-Take
Quick Reference Card

1. Before You Start

This card assumes that you are a qualified and experienced administrator for Kodak® Prinergy® systems that use Hot Standby software and Double-Take® software.

Caution: After a failover, database corruption can result if the procedures are not followed correctly when you restore normal operations.

Before running a planned failover, be sure to have a current Oracle® database backup on tape, and perform a cold database backup before you return the Hot Standby server to secondary mode. See the procedure, below.

Note: Colored text in this card indicates steps that are specific to optional Kodak Link-based software or a Kodak InSite™ Prepress Portal /InSite StoreFront system.

- If your system does not use these optional products, ignore the colored text.
- If your system uses these products, see *Using optional software* for procedures that you will need to know, or refer to the product documentation.

A. Backing up the database before a failover test

1. Stop Oracle services.
2. Copy the following database folders to your backup location.

   For Prinergy 3.x or earlier, back up these folders:

   - **E:\ORANT**
   - **[DataDrive]:\ORANT**

   For Prinergy 4.x, back up these folders:

   - **[SystemDrive]:\Oracle\OraData**
     or
     E:\Oracle\OraData
   - **[DataDrive]:\Oracle**

For more details about preparing for and executing a Hot Standby (formerly known as EPM+) failover, see the *Hot Standby with Double-Take* User Guide (731-00451).

If your system has **tertiary servers** to store job data and uses Double-Take software for backup failover protecton, see the *Job Replication Failover* Quick Reference Card (732-00128).

B. Using optional software

If Link-based software is used:

This card uses the term *Link* to refer to Link, Synapse Link, Prinergy Business Link, or Prinergy Production Reporting software.

To start or stop the Link server, depending on your version of Link software:

- **Start > Programs > SynapseLink > Stop** (or **Start**) **Server**
- **Start > Programs > Kodak > Business Link > Stop** (or **Start**) **Server**
- **Start > Programs > Kodak > Production Reporting > Stop** (or **Start**) **Server**

If an InSite-based system is used:

This card uses the term *InSite* to refer to InSite, InSite Prepress Portal, or InSite Storefront software. Supported software includes InSite PrePress Portal 5.0.4, InSite 4.5.0.2067, or later.

Note: If your system uses InSite StoreFront, ensure that the Prinergy job volume that hosts the StoreFront folders is accessible at all times and is not on the Prinergy primary server.

To stop InSite services:

1. On the InSite Prepress Portal/Storefront server, select **Start > Programs > Administrative Tools > Services**.
2. Right-click **InSite** and select **Stop**.
3. Right-click **World Wide Web Publishing** and select **Stop**.

To redirect the InSite server:

1. On the InSite Prepress Portal/Storefront server, select **Start > Run**, type `ICU`, and click **OK**.
2. Press ENTER to stop the software.
3. In the Configuration Utility, click **Next** until the Prinergy Primary Server Information dialog box appears.
4. Type the name and IP address of the server to which you are redirecting the system:
   - For a failover, specify the Hot Standby server.
   - For normal operations, specify the Prinergy primary server.
5. Click **Next** until the Configuration Summary window appears, and click **Apply**.
6. Click **Next** until the Diagnostics dialog box appears, and click **Close**.
7. At a command prompt, enter `net start InSite` and then enter `exit`
8. Restart Prinergy services, and verify that the system is operating properly.

2. Placing the System into Failover Mode

A. Switching the Hot Standby server to primary mode

Follow this procedure when the Prinergy primary server fails or when you want to initiate a failover for any reason, such as servicing or testing:

1. Stop the Prinergy software on all servers.
2. On the Hot Standby server, stop the Link server. See *Using optional software*.
3. On the InSite server, stop the Prepress Portal and World Wide Web Publishing services. See *Using optional software*.
4. Move the Prinergy dongle to the Hot Standby server.
5. On the Hot Standby server, select **Prinergy Administrator > File > Switch to Primary**.

B. Starting the Kodak software on the Hot Standby server

1. Start the Prinergy software. All jobs should now be accessible.
2. On the Hot Standby server, start the Link server. See *Using optional software*.
3. Redirect the InSite server to the Hot Standby server. See *Using optional software*.

If a Kodak Print Console dongle error is reported:

If the Hot Standby server is a render station with a Kodak Print Console dongle, and if Prinergy Administrator reports a dongle mismatch, you need to swap the two dongles:

1. Remove the Print Console dongle.
2. Insert the Prinergy dongle into the Print Console dongle slot.
3. Restart the Prinergy Administrator software.
4. Insert the Print Console dongle into the Prinergy dongle slot.

3. Restoring Normal Operations

Follow these steps to restore operations. Following these steps incorrectly can permanently corrupt the database, which would then need to be restored from a backup.

In particular, *never* switch the Hot Standby server back to being a secondary server while the **PrinergyDB** and **LinkDB** replication jobs are active.

Note: Do *not* use the following procedures to restore job data and start PrinergyJobs replication. See the *Prinergy Job Replication Failover* Quick Reference Card or the *Hot Standby with Double-Take* User Guide.

A. Disconnecting the replication sets

1. Verify that the primary server's network cable is connected.
2. Using the primary Double-Take Management Console (DTMC), disconnect these replication jobs:
   - **PrinergyDB**
   - **LinkDB**

   Important: *Switching the Hot Standby server back to being a secondary server while these replication jobs are active will corrupt the database.*

B. Returning the Hot Standby server to secondary mode

1. Stop the Prinergy software on all servers.
2. On the Hot Standby server, stop the **Link** server. See *Using optional software.*
3. Return the dongle to the original Prinergy primary server slot.
4. On the Hot Standby server, select **Prinergy Administrator > File > Revert to Secondary**.
5. On the Prinergy primary server, run the **DisableOracle.cmd** script, located in **<drive>:\Program Files\DoubleTake\creo**. When prompted, confirm that you want to stop and disable the Oracle database.
6. Check the output of **DisableOracle.cmd** for errors.
7. If there seems to be a problem, *do not proceed*. Contact a Kodak service representative.

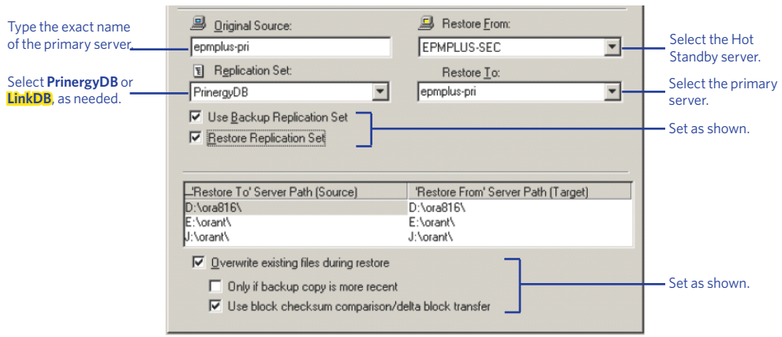
C. Restoring the database files

1. On the Prinergy primary server, stop the **Link** server. See *Using optional software.*
2. In the primary DTMC, log onto the Prinergy primary server and select **Tools > Restoration Manager**.
3. Restore the **PrinergyDB** replication set. See the procedure that follows.
4. Restore the **LinkDB** replication set. See the procedure that follows.

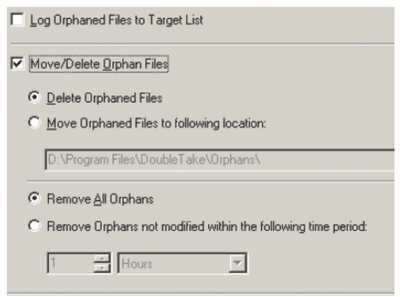
To restore the PrinergyDB or LinkDB replication set:

1. Set up the **Servers** tab with the settings shown in the example.
2. On the **Orphans** tab, select **Move/Delete Orphan Files** (**Delete**) and **Remove all Orphans**.
3. Click **Restore** and wait for the process to finish.

Restoration Manager Servers tab



Restoration Manager Orphans tab



Important:

Interrupting a restoration will leave an unusable database on the primary server.

If an unexpected interruption occurs, repeat the restoration procedure.

The restore process will overwrite the unusable database with the copy of the database that is on the Hot Standby server.

D. Starting the Kodak software on the primary server

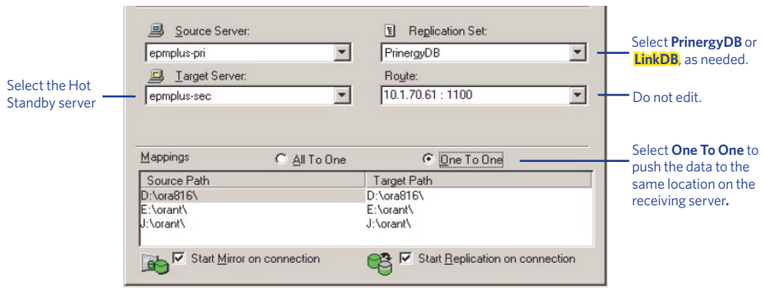
1. Start the Oracle database software on the primary server: Run the **EnableOracle** script in **<drive>:\Program Files\DoubleTake\creo**.
2. Start Prinergy on all servers. Verify that it is operating correctly and that the most current jobs are intact.
3. Start the **Link** server, and verify that it is running. See *Using optional software.*
4. Redirect the **InSite** server to the Prinergy primary server. See *Using optional software.*

E. Starting replication

1. In the DTMC for the primary server, right-click **PrinergyDB** > **Connection Manager**.
2. Start the **PrinergyDB** replication set. See the procedure that follows.
3. Repeat step 1 to select **LinkDB** and start replication. See the procedure that follows.
4. In the DTMC **Source & Target** pane, select the source server and ensure that a green check mark appears beside each set that you started.

To start the PrinergyDB or LinkDB replication set:

1. Set up the **Servers** tab with the settings shown in the example.
2. On the **Orphans** tab, select **Move/Delete Orphan Files** (**Delete**) and **Remove all Orphans**.
3. Click **Connect**.



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