

DBManager - Northern States Power Failover Procedure

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Northern States has three(3) Manitou servers.

Once a month, they failover in sequence in the following pattern: ManitouServer1 -> ManitouServer2 -> ManitouServer3 -> ManitouServer1.

Follow this procedure.

1. Updating the RSI\Frontel Application

- a. Typically, I connect to ManitouServer1, then remote desktop into DGL9T7V1 (182.168.1.100: 1556)
- b. If the RSI\Frontel is not visible it is probably minimized, check the Task Bar.
- c. Go to the GI tab, change the Primary server name to the server you will be failing over to.
- d. Change the backup server to the next server in the rotation.
- e. In the bottom right, click Restart Services or Apply.

2. Preparing to Failover

- a. Open a fastsupport session on the current 'active' server, open MSM, FEP Commander and DBManager.
 - i. Confirm that replication is in sync between the three servers.
 - ii. Make a note of the status of the three receivers: RSI will probably be Listening, both Bosch should be UP.
- b. Open a fastsupport session on the server they will be failing over too. Open MSM and FEP Commander.

NOTE: they have a few services that always run on ManitouServer1

c. Ask Jones to check-in with the operators and have them log out when appropriate

3. Execute the Failover

a. Stopping services on the 'active' Server

i. Stop the FEP service in MSM on the 'active' server

ii. Right click on Broker and choose Stop All

iii. Right click on Logger and choose Stop

iv. Break replication using DBManager – click Remove Replication

b. Starting services on the new 'active' Server

i. Right click on Logger and choose Start

ii. Right click on Broker and choose Start All

iii. Have Jones confirm that operators are able to log into Manitou

iv. Start the FEP service

v. Review FEP Commander to ensure all three receivers have an UP status

4. Restore Replication

a. Click Make Primary associated with the new 'active' server,

- NOTE: it usually takes about 45 minutes for the databases to sync.