



Solaris 10 Bankway System Best Practices

List of files to back up for proper recovery

Baseline Data Services supports Sun Solaris 10 Operating Environment, which powers Metavante Banking Solution's Bankway core processing system.

A question often posed to our technicians is “What files should be backed up to properly recover a Solaris 10 Bankway system?”

The folders and files needed to successfully restore the system include:

- **Production libraries**
 - /kc1/kcprod
 - /usr/local/kccmds
 - /opt/mtp
- **Region database**
 - /kc1/d3a
 - Exclude the backup folders in /kc1/d3a unless otherwise needed
- **Other directories**
 - /opt/lppplus (optional)
 - /export/home/d3opera
 - /export/home/kcftp
 - /export/home/wip
- **If the customer is a Cornerstone Bank, the following additional files will be needed**
 - /etc/cornerstone/
 - /etc/profile

Fourteen days in advance of a company's disaster recovery (DR) test, Baseline Data Services' technicians advise them to contact the Financial Information Systems (FIS) to get a temporary Market Transformation Program (MTP) key. FIS will ask for a few details about the Solaris 10 Bankway system for the DR test. The details a company should have readily available include:

- HostID: 83cd2905
- CPU: 2x UltraSPARC IV+

Two things that a customer should know in advance for their DR test are the root password and other authentication credentials that have special permissions, and the MicroFocus COBOL keys identified on a red piece of cardboard that came with the Solaris system. If the COBOL keys change over the course of the year, then a company should fax Baseline Data Services the newest keys.

Baseline Data Services recommends companies fax a copy if/when they update in the production environment. Customers should alert Baseline Data Services' technicians at least 14 days in advance of their test if they have an A2i system in their production environment, or if they will need Bankway Browser or Bankway Windows access for the test.

If FIS performs any maintenance taking longer than four hours, it is usually a good idea for companies to keep an eye on their backups for the next two to three days to make sure they are running properly. A few times Baseline Data Services has had customers go through maintenance on their Solaris 10 Bankway system and the backups no longer worked because of the major systems changes FIS had made, or the system was upgraded from Solaris 8 to Solaris 10 while the companies along with Baseline Data Services were not informed of the changes. Companies that are using tape backups should deliver copies of the tapes to Baseline Data Services two to three weeks in advance of their DR test.

Baseline Data Services prefers using EVault to back up Solaris 10 Bankway systems. Technicians have found that this eliminates a lot of problems with traditional tape backups while providing the greatest flexibility and availability of data. EVault is natively supported on Solaris systems with the installation of a small agent. Technicians can integrate EVault services and backups into the Bankway fssnap process and manager. Using EVault, technicians can have multiple safesets. Changes to the system get backed up every night and files can be restored at any time from any of the safesets, all while still being offsite and entirely secured end-to-end.

If EVault is going to be used, or any other file based backup for that matter, it is best to back up the files from the Global Zone of the Solaris 10 system. Many of Baseline Data Services' customers have found it useful to be able to back up files in their Global Zone and companies would not want to handicap themselves by installing a backup agent strictly in the Local Zone. The Global Zone is always forced to wait until it can see a properly quiesced file in the file system before it can access it, so the files being backed up will always be in a consistent state. Because of this, special provisions for very active file systems and databases may be needed, such as fssnaps or static backups.

For more information about the Solaris 10 Bankway system, or to implement a DR plan, contact Baseline Data Services at 317-707-3941, or visit www.baseline-data.com.