FileSync
Blazing Fast Replication and Synchronization of Applications and Files between HPE Nonstop Servers

Bootcamp 2020

Jack Di Giacomo - TANDsoft

TAND soft

www.TANDsoft.com

Jack.DiGiacomo@TANDsoft.com

➢ **Blazing fast and cost-effective data replication solution**

➢ **Complements any data replication software**

➢ **Automatically monitors, replicates and synchronizes files and application environments**

➢ **Used for disaster recovery, migrations, upgrades and backups**

➢ **Automated multi-system file synchronization & software distribution**

➢ **Monitors file changes (modified, added or deleted) and automatically synchronizes the files to a destination Server**
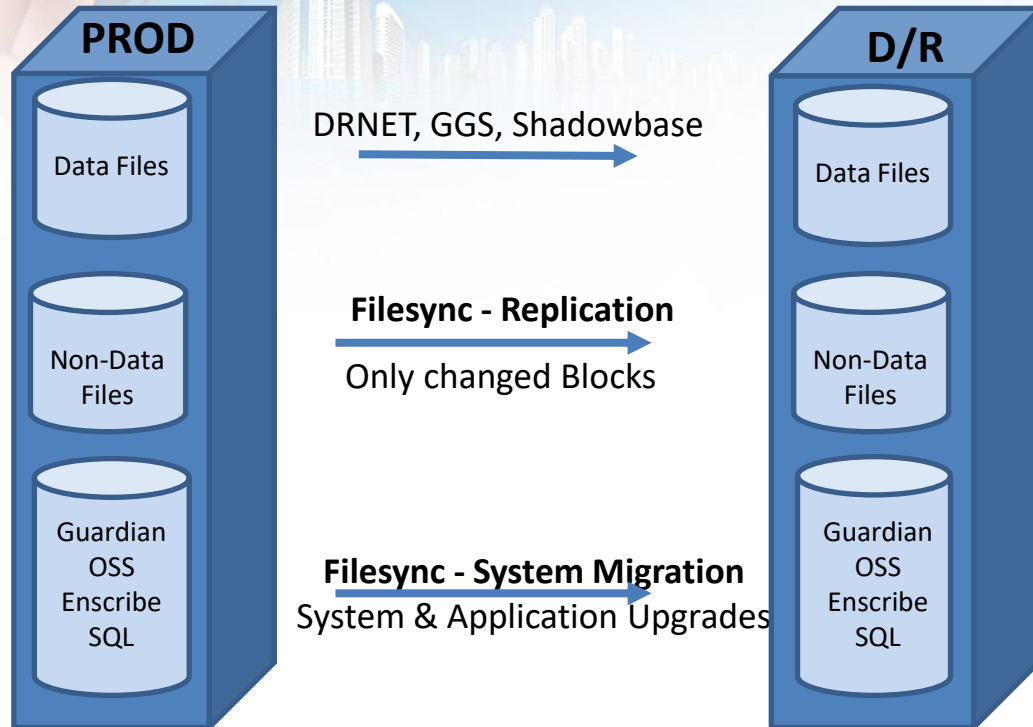
System upgrades and migrations

- ➤ **Replicates all files to the New Nonstop Server configured with the same node name (TCP/IP)**
- ➤ **LIST all files that are in sync, require synchronization and designated for purging**
- ➤ **Purge Extra Destination Files and Subvolumes that do not exist in the Source file-set**

Disaster Recovery

- ➤ **Blazing fast and near real-time Replication of production data to the d/r system**

Backup

- ➤ **Replaces Tape Backup and Restore for the d/r system**

PROD

Data Files

Non-Data Files

Guardian
OSS
Enscribe
SQL

D/R

Data Files

Non-Data Files

Guardian
OSS
Enscribe
SQL

DRNET, GGS, Shadowbase

Filesync - Replication

Only changed Blocks

Filesync - System Migration
System & Application Upgrades

- ➢ **Analyzes and synchronizes only files that have changed or are new since the last run**

- ➢ **Streams only Blocks that have changed within a file or database**

- ➢ **Utilizes renown Block Level Hash Compare technology**

- ➢ **Compresses data before synchronization**

- ➢ **Supports file synchronization when destination file is open**

- ➢ **Keeps detailed statistics in the History file**

- ➢ **Multiple copies of FileSync can co-exist on the same Nonstop Server, each serving a different Business unit**

Scheduled File Synchronization

➢ manually, for one time synchronizations

➢ scheduled for a specific time of day

➢ every interval (minutes, hours or days)

➢ triggered by a completion of an external event

FileSync supports Triggers

➢ Functionality can be invoked Before or After files are synchronized

HPE NonStop server fundamentals

➢ Fault-tolerance, Parallel processing, Load balancing, Scalability, File selection by wildcarding & Filtering (supports qualified expressions)

File Types supported

➢ Enscribe files, SQL/MP, SQL/MX catalogs, schemas, tables

➢ All Backup/Restore and BR2 file types

➢ Edit files, Sub-system configuration files, TACL files

➢ Application / System Batch, Object & source files

➢ OSS files and directories

➢ Audited and Non-Audited files and tables

Any Questions?

TANDsoft - www.TANDsoft.com

Jack Di Giacomo (+1 514-695-2234)
jack.digiacomo@TANDsoft.com

Dieter Orlowski (+1 303-263-4381)
dieter.orlowski@TANDsoft.com