

BrightStrand *NetBatch/DR*

Finally – Disaster Recovery Protection for HP NetBatch Environments

Introduction

Users of HP NonStop systems are by nature very familiar with the need for robust Business Continuity solutions. They have typically built an infrastructure to provide a swift switchover and disaster recovery (DR) of their critical on-line application(s) courtesy of HP NonStop RDF or other third party data replication products.

However, until now, there has been no *simple, automated* disaster recovery solution for the HP NetBatch environment.

Technical challenges

HP NetBatch provides several DR related challenges to be resolved:

- ***How to synchronise configuration changes from Primary to Backup system?***
 - System names are embedded in HP NetBatch files
- ***How to takeover processing in the event of a disaster?***
 - How do you determine which jobs completed (and the results) on the Primary in order to restart HP NetBatch processing at the correct point on the Backup system?
- ***Compatible with HP NonStop AutoTMF (i.e. can be 'Prepared'), but...***
 - HP NetBatch 'Warm' Start fails due to calls to FUP that are unsupported in a TMF audited environment

The Solution: BrightStrand *NetBatch/DR*

BrightStrand *NetBatch/DR* provides fully automated HP NetBatch switchover to a Disaster Recovery system.

Features at a glance

- ✓ *Works in conjunction with HP NonStop AutoTMF (pre-requisite) to allow HP NetBatch to utilise TMF audited files*
- ✓ *Resolves the HP NetBatch 'Warm' Start issue with TMF audited files*
- ✓ *Adjusts system names embedded in HP NetBatch files to reflect the switchover / DR situation*
- ✓ *Supports multi-node HP NetBatch environments where a scheduler controls batch operations on remote systems across Expand*
- ✓ *Supports triple contingency data replication environments*

Benefits

- ✓ *Improved switchover / DR performance by fully automating HP NetBatch recovery on Backup system**
- ✓ *HP NetBatch switchover / DR no longer 'a special case' - one less thing to worry about during a stressful, time-critical situation*
- ✓ *Rapid installation, test and deployment provides a quick return on investment*
- ✓ *Last known HP NetBatch status from the Primary is available on the Backup system, including:*
 - ✓ Which jobs completed?
 - ✓ Which jobs failed?
 - ✓ Which jobs / job suites were in progress?*

No other HP NetBatch switchover / DR strategy can provide these benefits (without significant custom effort).

* If manual intervention is currently required to recover HP NetBatch failures in your environment, then this will still be the case. BrightStrand NetBatch/DR provides HP NetBatch on a Backup system with the same information it would have available to it on the Primary system.

Technical Specifications

BrightStrand NetBatch/DR

Hardware	HP NonStop server: S-Series, HP Integrity NonStop, HP Integrity BladeSystem
Software	HP NonStop operating system from Release Version Update (RVU) G06.20 or RVU H06.07 or RVU J06.03 or later HP NetBatch HP NonStop AutoTMF (To 'Prepare' the HP NetBatch objects and allow TMF Auditing of HP NetBatch scheduler files) Data Replication Software (HP NonStop RDF tested and in production, Gravic Inc. Shadowbase® testing scheduled) (Recommended) HP NonStop AutoSYNC (as a mechanism to keep environmental files synchronised between Primary and Backup systems (e.g. Startup/Shutdown, BrightStrand NetBatch/DR object files)

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