



"Schmidt, Siegfried" <siegfried.schmidt@sap.com> on 12/15/2000 08:08:36 AM

To: Sanjoy Das/San Jose/IBM@IBMUS
CC:
Subject: Split Mirror - Oracle/AIX - ESS

Hallo Sanjoy,

We are very pleased to inform you that upon a detailed review of your automated implementation of the Split Mirror Backup/Recovery solution on the IBM Enterprise Storage Server(ESS), you and the SSD team have met the requirements specified by SAP for this class of advanced infrastructure solutions.

You have implemented this high availability solution on a landscape that comprises SAP R/3 4.6B with Oracle 8.0.5 on the AIX 4.3.3 Operating System platform using the SAP-designed SSQJ test database.

We were especially pleased to note that you exploited the ESS's advanced copy services functions such as Peer-to-Peer-Remote-Copy (PPRC) for synchronous copy and FlashCopy for instant local copy made generally available by IBM on 12/15/2000. The new PPRC capability - taking a FlashCopy of a PPRC target while it is in sync with the source - is exactly the solution our large customer accounts have requested.

We observed one particular element highlighting the ESS's ease of management capability for DB administrators - the implementation of the commands that control the backup process at the storage subsystem level was fully supported by the web-based graphical interface of the ESS Copy Services SPECIALIST module. These commands can be invoked from the UNIX command line or can easily be integrated in management tools such as SAPDBA.

Use of Oracle's on-line/hot backup capability through execution of specific Oracle commands, integrated with SAPDBA and BACKINT for seamless execution in automated environment provides excellent flexibility for integrating this end-to-end solution into a range of customer implementation plans. With this solution SAP customers using Oracle relational database, can now implement IBM's "serverless", "zero downtime" backup without any impact on the production system.

Additionally, conformance to SAP's data layout recommendations for Oracle databases in the implementation of your tests indicate that customers can attain both ease of data management and optimization of performance through maximum parallelism made possible by the ESS's robust implementation of the RAID5 architecture.

Both split mirror implementations - inside one ESS or between two ESS storage systems - exploit the same copy capabilities. We can now make this advanced infrastructure solution available to a range of customers. Some customers will wish to start with one ESS storage subsystem. Those customers who require remote data vaulting or need to scale to a larger database size, can simply extend this split mirror solution to an additional ESS.

We expect the details of the Split Mirror Backup/Recovery tests to be published in a forthcoming white paper as an extension of our Advanced Infrastructure Solutions whitepaper series.

We wanted to thank you, Sunny Godavari and the IBM/SSD team at the Open Systems Solution Lab, San Jose, for delivering this

exciting solution to SAP customers.

Bye, Siggi.

Siegfried Schmidt

R/3 Advanced Technology Group

SAP AG

P.O. Box 1461

D-69185 Walldorf

Tel: +49 (6227) 7-44639

Fax: +49 (6227) 7-44808
