

GSCC – General Storage Cluster Controller

IBM Tivoli Storage Manager High Availability



Highlights

- Scalable TSM High Availability
- Completely integrated solution
- „carefree package" - customized implementation
- Object-oriented State Model: Simple maintenance despite high customization
- Time shifted „Standby" database to increase availability
- AIX, Solaris and Linux
- LVM, VxVM, SVM, GPFS support
- „Ready for IBM Tivoli Software" certification

GSCC is a High Availability solution especially for IBM Tivoli Storage Manager.

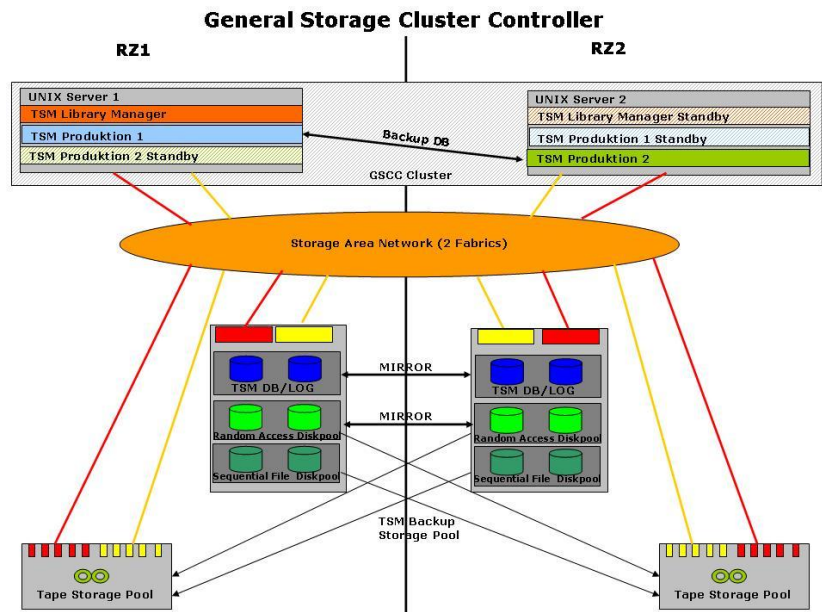
GSCC is not a conventional server cluster, but a specialized application-cluster designed for IBM TSM requirements.

A GSCC Cluster usually consists of two UNIX systems hosting one or more active TSM instances. GSCC controls TSM instances and their resources as independant units.

GSCC is transparent to clients and agents. It can easily be integrated into existing TSM installations..

With help of an object -oriented state model GSCC provides a high level of customization without compromising servcibility.

The GSCC implementation is usually not limited to the core software functionality. On request the whole TSM environment is verified and standard configurations and naming conventions are established in order to improve managability and servcibility.



In case it is impossible to keep the TSM instances or its resources up on the local machine a take over will be initiated. GSCC supports two take over methods. in order to optimize availability. Primarily a disk failover takes place. Alternatively a time shifted „Standby" database can be activated to recover from logical errors.

This „Standby" or „Recovery" TSM instance has its own resources for database and log. GSCC uses these resources to recover the production database regularly providing a time shifted version of the production database.

Thereby the TSM database recovery is also verified regularly. Furthermore the „Standby" database can be used to test TSM maintenance activities (auditdb, unloaddb etc.) without affecting production.

GSCC provides a web based graphical user interface to manage GSCC and TSM intances



GSCC is currently available for IBM AIX, SUN Solaris and Linux.

Tivoli. software

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