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A redundant Servercluster using SL5.1 and Xen

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Howto build a redundant (failover) Servercluster using Scientific Linux 5.1 with Xen. The services (filer, dns, dhcp, printing etc.) will be divided into individual virtual machines to isolate the services. On failure of a server, the services will be relocated automatically.

The system is using a redundant Fibrechannel storage as the shared storage, but same would be possible using other techniques. The talk shows the architecture of the system, as well as some problems we found both in the SL Clustersoftware and SL's Xen Implementation and how we avoid them.

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