



Enabling Grids for E-scienceE

Failover for Grid services

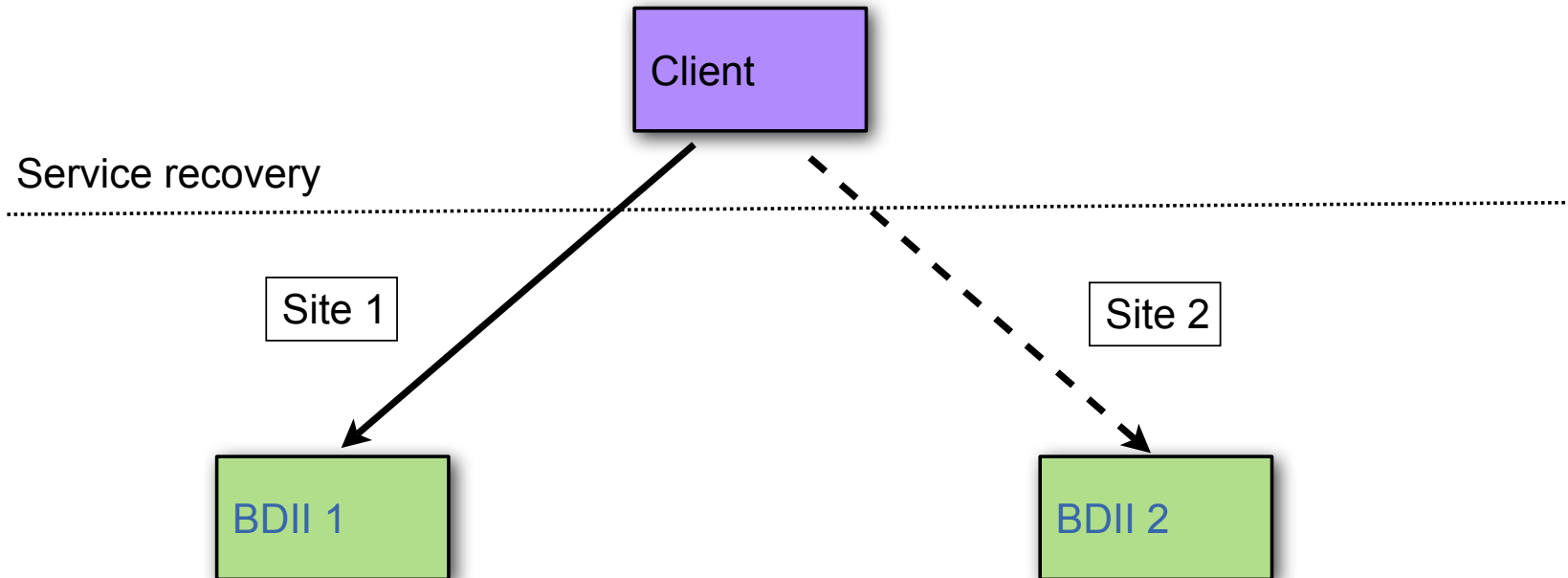
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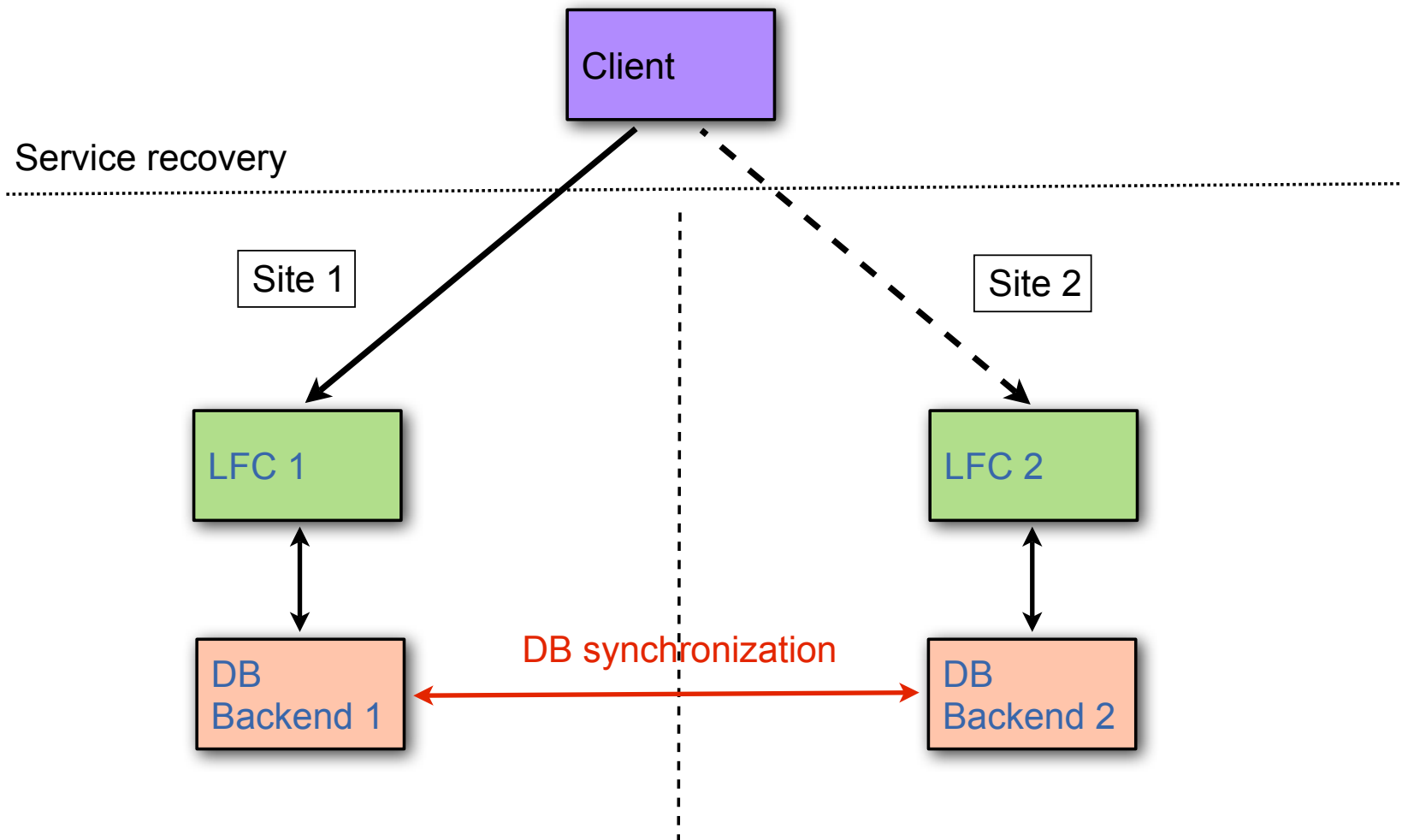


- **Integrated middleware failover (service recovery, BDII etc.)**
- **DB backend service failover (3d etc.)**
- **Site level failover using VMs (virtualization)**

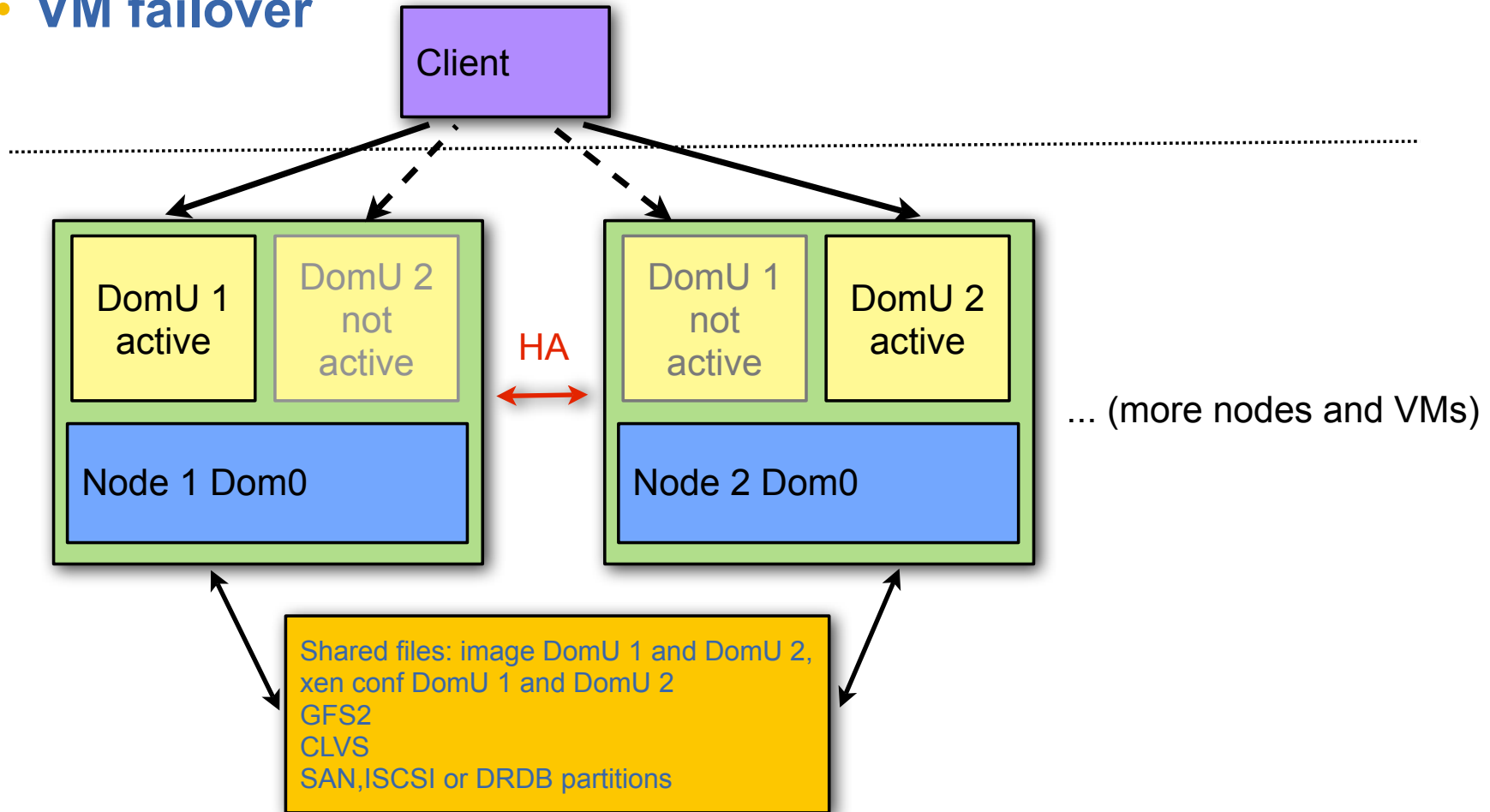
- **Simple Failover:**



- Failover with data backend:



- VM failover



Service runs on a VM on one node and life migrates to another in case of hardware failure

- **Integrated middleware failover**
 - Follow up what is already implemented
 - Ask for further development
- **DB backend failover**
 - Set up some example service (LFC, VOMS ...) failover at one site
 - Extend this setup to another regional site
 - Extend it to another region
 - Produce documentation to enable other grid sites to follow this example
- **Site level failover using VMs (virtualization)**
 - Set up and test a prototype
 - Produce documentation for the setup