

THE PROJECT: Design, implement and maintain a secure, robust and highly-available web infrastructure.

Key requirements

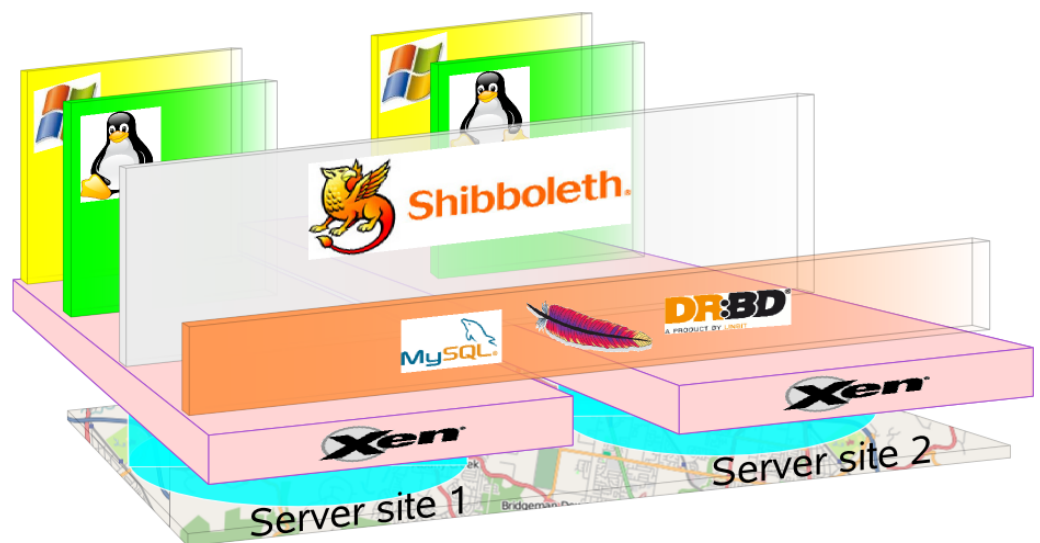
SECURE: Service-use must be restricted to authenticated users, based on their roles and other attributes. Must support Web Single Sign-On and Federated Identity Management.

AFFORDABLE: A very cost-effective solution must meet strict budgetary constraints. Cost-savings must not adversely impact on other requirements.

HIGHLY AVAILABLE: The web services must be highly available (99.95% up-time), must be robust, and must be maintained in accordance with a 24x7 SLA. The system must be easily extensible so that new web applications, services and federation-members can be easily added.

Key features

Distributed architecture: Real-time replicated data storage across geographically separate sites, providing cost-effective, high-performance and failure-tolerant storage: Services immune to partial or total failure of either site.



Xen Virtualisation: All infrastructure and applications run as Xen virtual machines achieving low-cost, high-performance availability and load-balancing, flexibility and scalability.

Security infrastructure: SAML-based identity and access-management infrastructure supports cost-effective policy enforcement. Cost-savings are achieved because new web applications and services can be added without change to the security infrastructure.

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