

DATABASE CONSOLIDATION USED FOR PRIVATE CLOUD

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This paper describes the benefits of cloud computing, virtualization, database integration and how Database can be successfully consolidated onto a private cloud through several deployment models. Consolidating databases onto a private cloud is typically done in one of two ways: infrastructure cloud (server consolidation) or database cloud (operating system consolidation). Consolidation can be achieved through server, operating system, and database consolidation, and the higher the consolidation density achieved, the greater the efficiency. And then we evaluate two database architectures - shared-disk and shared-nothing for their compatibility with cloud computing. Technological advances have put shared-disk performance on par with shared-nothing, while cloud computing and virtualization strongly favor the shared-disk architecture.