Oracle

FlexPod

NetApp
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Oracle

FlexPod Datacenter with Oracle RAC Databases on Cisco UCS and NetApp AFF A-Series

Tushar Patel, Cisco
Hardikkumar Vyas, Cisco

Cisco Validated Designs include systems and solutions that are designed, tested, and documented to facilitate and improve customer deployments. These designs incorporate a wide range of technologies and products into a portfolio of solutions that have been developed to address the business needs of customers. Cisco and NetApp have partnered to deliver FlexPod, which serves as the foundation for a variety of workloads and enables efficient architectural designs that are based on customer requirements. A FlexPod solution is a validated approach for deploying Cisco and NetApp technologies as a shared cloud infrastructure.

The FlexPod Datacenter with NetApp All Flash AFF system is a converged infrastructure platform that combines best-of-breed technologies from Cisco and NetApp into a powerful converged platform for enterprise applications. Cisco and NetApp work closely with Oracle to support the most demanding transactional and response-time-sensitive databases required by today's businesses.

This Cisco Validated Design (CVD) describes the reference FlexPod Datacenter architecture using Cisco UCS and NetApp All Flash AFF Storage for deploying a highly available Oracle RAC Database environment. This document shows the hardware and software configuration of the components involved and results of various tests. Also, this document offers implementation and best practices guidance using Cisco UCS Compute Servers, Cisco Fabric Interconnect Switches, Cisco MDS Switches, Cisco Nexus Switches, NetApp AFF Storage and Oracle RAC Database.

FlexPod Datacenter with Oracle RAC Databases on Cisco UCS and NetApp AFF A-Series

FlexPod Datacenter with Oracle RAC on Oracle Linux

Tushar Patel, Cisco
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John Elliott, NetApp

The Cisco Unified Computing System (Cisco UCS) is a next-generation data center platform that unites computing, network, storage access, and virtualization into a single cohesive system. Cisco UCS is an ideal platform for the architecture of mission-critical database workloads. The combination of Cisco UCS platform, NetApp storage, and Oracle Real Application Cluster (RAC) architecture can accelerate your IT transformation by enabling faster deployments, greater flexibility of choice, efficiency, and lower risk. This Cisco Validated Design (CVD) highlights a flexible, multitenant, high performance and resilient FlexPod reference architecture featuring the Oracle 12c RAC Database.

The FlexPod platform, developed by NetApp and Cisco, is a flexible, integrated infrastructure solution that delivers pre-validated storage, networking, and server technologies. It's designed to increase IT

responsiveness to business demands while reducing the overall cost of computing. Think maximum uptime, minimal risk. FlexPod components are integrated and standardized to help you achieve timely, repeatable, consistent deployments. You can plan with accuracy the power, floor space, usable capacity, performance, and cost of each FlexPod deployment.

FlexPod embraces the latest technology and efficiently simplifies the data center workloads that redefine the way IT delivers value:

- Take advantage of the capability of NetApp FAS Hybrid Arrays with Flash Pool flash to provide the capability to deploy the precise proportion of flash to spinning media for your specific application or environment.
- Leverage a pre-validated platform to minimize business disruption and improve IT agility and reduce deployment time from months to weeks.
- Slash administration time and total cost of ownership (TCO) by 50 percent.
- Meet or exceed constantly expanding hardware performance demands for data center workloads.

FlexPod Datacenter with Oracle RAC on Oracle Linux

FlexPod Datacenter with Oracle RAC Databases on Cisco UCS and NetApp AFF A-Series

Tushar Patel, Cisco
Hardikkumar Vyas, Cisco

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FlexPod Datacenter with Oracle RAC Databases on Cisco UCS and NetApp AFF A-Series

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