

Plan and Design for VMware vSphere

Overview

Good planning leads to better outcomes. A VMware Certified Professional will plan and design a VMware vSphere™ implementation to meet your needs for server consolidation and server containment. At the end of the engagement, you will have a comprehensive logical architectural design for VMware vSphere that addresses your requirements, and leverages VMware best practices.

Benefits

- Optimize your VMware vSphere environment
- Avoid implementation pitfalls that can stall or slow your deployment
- Accelerate realization of the benefits of virtualizing your environment
- Provide a demonstration implementation to facilitate knowledge transfer

Target Audience

IT organizations interested in

- Exploring VMware vSphere as a virtualization solution
- Scaling VMware vSphere beyond a proof-of-concept
- Expanding to other data centers and leveraging proven best practices

Roles and Responsibilities

- VMware Certified Professional Consultant: Assesses current environment, conducts knowledge transfer session and documents architectural design
- VMware Engagement Manager: Plans and coordinates all plan and design activities
- Customer Systems Architects: Responsible for servers, storage and networking
- Customer Systems Administrator: Responsible for operating system and applications

Key Activities

Action	Responsibility
Project Preparation	All
Capacity and Financial Analysis	Consultant
Design Kickoff	All
Design Enablement Knowledge Transfer Session(s)	Consultant
Detailed Design Sessions and Deliverables Creation	All
Presentation of Deliverables	Consultant
Wrap-up session	All

Plan and Design Service Offerings

The Plan and Design for VMware vSphere service is offered at Basic, Standard and Premium levels. Choose the level of Plan and Design service best suited for your needs.

Basic Plan and Design

The Basic service is an introductory offering geared toward customers seeking a simple design or interested in exploring VMware vSphere as a virtualization solution.

Standard Plan and Design

The Standard service begins with discovery and exploration into your use cases, and provides implementation guidance and more in-depth information regarding, installation and configuration tasks, day-to-day operations, and design verification tasks. The Standard service also allows for some customization for your specific environment.

Premium Plan and Design

The Premium service is ideal if you need highly complex technical designs or highly customized, in-depth engagement deliverables. The Premium service takes a more solution-oriented approach, and the design and deliverables are tailored to your specific use case requirements.

Deliverables

Deliverables vary depending upon the level of service: Basic (B), Standard (S) or Premium (P).

Deliverable	B	S	P
Project Management Documents			
Capacity and Financial Analysis	✓	✓	✓
Workshop			
VMware vSphere Jumpstart with P2V and VMware Consolidated Backup add-on	✓	✓	✓
Design Documents			
Architecture Design	✓	✓	✓
Design Implementation Guidelines	✓		
Design Implementation Roadmap		✓	✓
Installation Documents			
Installation and Configuration Guidelines		✓	
Installation and Configuration Procedures			✓
Operational Documents			
Operations Procedures		✓	✓
Operational Verification	✓	✓	✓
Design Verification			✓

Capacity and Financial Analysis

Capacity analysis is performed to understand your existing, physical server utilization and to estimate the number of ESX™ hosts needed for VMware vSphere. Data is gathered for about a month using VMware Capacity Planner software. This work is performed remotely.

Financial analysis provides estimates of total cost of ownership and return on investment for a VMware vSphere that satisfies your requirements.

Workshop

A workshop is conducted to provide the information your staff needs to participate effectively in design sessions, and a demonstration implementation is built to facilitate knowledge transfer. This includes information about VMware ESX and VMware vCenter™ best practices, and physical to virtual migrations using VMware vCenter Converter. Additionally, VMware Consolidated Backup (VCB) is discussed to help participants understand and explore strategies to increase availability and shorten response times when faced with service disruptions.

Scope and Pricing

- The scope of the Plan and Design engagement is defined by the level of service you choose: Basic, Standard, or Premium
- Implementation of the architecture design is out of scope for the Plan and Design service, but is available and offered as a follow-on service
- Delivered by a VMware Certified Professional (VCP) consultant from VMware or from a VMware Solution Provider
- Contact your local VMware representative for pricing information

Requirements

- VMware vSphere licenses and supported hardware environment
- System and network access to gather performance and utilization data for existing physical servers

For More Information

More information about VMware software and services is available from www.vmware.com and from your local VMware representative.

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