



HP Education Services

20331 - Core Solutions of Microsoft SharePoint Server 2013

This course will provide you with the knowledge and skills to configure and manage a Microsoft SharePoint Server 2013 environment. This course will teach you how to configure SharePoint Server 2013, as well as provide guidelines, best practices, and considerations that will help you optimize your SharePoint server deployment. This is the first in a sequence of two courses for IT Professionals and will align with the first exam in the SharePoint Server 2013 IT Pro certification.

Audience

The course is targeted at experienced IT Professionals interested in learning how to install, configure, deploy and manage SharePoint Server 2013 installations in either the data center or the cloud.

Students typically have more than four years of hands-on experience* planning and maintaining SharePoint and other core technologies upon which SharePoint depends, including Windows Server 2008 R2 or later, Internet Information Services (IIS), SQL Server 2008 R2 or later, Active Directory, and networking infrastructure services.

The minimally qualified candidate typically:

- Is an IT professional who plans, implements, and maintains a multi-server deployment of SharePoint Server 2013.
- Has a working knowledge of, and preferably hands-on experience, with SharePoint Online.
- Has broad familiarity with SharePoint workloads.
- Have experience with business continuity management, including data backup, restoration, and high availability.
- Has experience with authentication and security technologies
- Has experience with Windows PowerShell.
- Hands-on experience or job experience is considered a solutions-based role where the candidate works within the solutions space covered by SharePoint, working on multiple solutions in the SharePoint space that includes document management, content management, and search.

The secondary audience for this course are Business Application Administrators (BAAs) who are engaged in the administering line-of-business (LOB) projects in conjunction with internal business customers would benefit from an understanding of how to manage SharePoint Server 2013.

Administrators who are entirely new to SharePoint will gain some benefit from the course, but it is recommended that they familiarize themselves with the basic concepts of the SharePoint platform before attending.

Course title:	20331 - Core Solutions of Microsoft SharePoint Server 2013
HP product number:	H6C75S
Category/Subcategory:	Microsoft
Course length:	5 days
Delivery language:	English

Prerequisites

An ideal candidate will have at least one year of experience with deploying and administering multiple SharePoint 2010 farms across a large enterprise. Because many customers skipped upgrading from SharePoint 2007, a candidate can also have at least 2 years of experience with SharePoint 2007 and knowledge of the differences between 2007 and 2010, particularly the Service Application model. A candidate can demonstrate the following skills:

- Software management in a Windows 2008 R2 enterprise server or Windows Server 2012 environment.
- Deploying and managing applications natively, virtually and in the cloud.
- Administering Internet Information Services (IIS).
- Configuring Active Directory for use in authentication, authorization and as a user store.
- Managing an application remotely using Windows PowerShell 2.0.
- Connecting applications to Microsoft SQL Server.
- Implementing Claims-based Security.

Course objectives

After completing this course, students will be able to:

- Describe the key features of SharePoint 2013
- Design an information architecture
- Design logical and physical architectures
- Install and configure SharePoint Server 2013

- Create web applications and site collections
- Plan and configure service applications
- Manage users and permissions
- Configure authentication for SharePoint 2013
- Secure a SharePoint 2013 deployment
- Manage taxonomy
- Configure user profiles
- Configure enterprise search
- Monitor and maintain a SharePoint 2013 environment

Why education services from HP?

- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- Unmatched technical expertise and support for HP products and technologies
- Comprehensive curriculum of job-specific training leading to vendor certification
- Training you need, when and where you need it with our Remotely Assisted Instructional Learning (RAIL)
- More than 30 years of Education Consulting
- Global training with more than 90 training locations worldwide
- Award winning virtual classrooms and virtual labs for a real hands-on experience

Detailed course outline

Module 1: Introducing SharePoint Server 2013

Microsoft SharePoint Server 2013 is a document storage and collaboration platform that offers many benefits to organizations. SharePoint deployments may take many different forms in scope, where a deployment may be focused on only delivering one feature, such as enterprise search, or many features, such as document management, business intelligence, web content management, and workflows. Deployments can also differ greatly in size, with small deployments of a single server up to large deployments with farms of 15 or more servers.

Module 2: Designing an Information Architecture

Information architecture (IA) defines the structures by which an organization catalogs information. Designing an IA requires a detailed understanding of the information held in an organization and its usage, context, volatility, and governance. A good IA rationalizes the creation and storage of content and streamlines its surfacing and use.

Module 3: Designing a Logical Architecture

This module reviews the logical constructs of Microsoft SharePoint Server 2013 and SharePoint Online. It discusses the importance of creating a logical architecture design based on business requirements before you implement a solution. The module covers conceptual content, defining a logical architecture, and the components of Microsoft SharePoint Server 2013 that you must map to business specifications.

Module 4: Designing a Physical Architecture

When you design a Microsoft SharePoint Server 2013 deployment, you must carefully consider the hardware and farm topology requirements. Your choices of server hardware and the number of servers that you specify for the farm can have a significant impact on how the farm meets user requirements, how users perceive the SharePoint solution, and how long before the farm requires additional hardware.

Module 5: Installing and Configuring SharePoint Server 2013

After you design and plan your logical and physical architectures for a Microsoft SharePoint Server 2013 deployment, the next installation steps are to implement the deployment design and specify configuration settings for the deployment.

Module 6: Creating Web Applications and Site Collections

After installing your Microsoft SharePoint Server 2013 farm, you are ready to begin deploying sites and content, such as an organizational intranet site.

Module 7: Planning and Configuring Service Applications

Service applications were introduced in Microsoft SharePoint Server 2010, replacing the Shared Service Provider architecture of Microsoft Office SharePoint Server 2007. Service applications provide a flexible design for delivering services, such as Managed Metadata or PerformancePoint, to users who need them. Microsoft SharePoint Server 2013 includes more than 20 services, some of which are new to this version, whereas others are enhanced. In planning and configuring service applications, it is important that you understand the dependencies, resource usage, and business requirements for each.

Module 8: Managing Users and Permissions

Many organizations need to store sensitive or confidential information. Microsoft SharePoint Server 2013 includes a complete set of security features, which you can use to help ensure that users with the appropriate rights and permissions can access the information they need, can modify the data they are responsible for, but that they cannot view or modify confidential information, or information that is not intended for them. The SharePoint 2013 security model is highly flexible and adaptable to your organization's needs.

Module 9: Configuring Authentication for SharePoint 2013

Authentication is the process by which you establish the identity of users and computers. Authorization controls access to resources by assigning permissions to users and computers. To provide authorization to consumers of Microsoft SharePoint content and services, whether they are end users, server platforms, or SharePoint apps, you first need to verify that they are who they claim to be. Together, authentication and authorization play a central role in the security of a SharePoint 2013 deployment by ensuring that consumers can only access resources to which you have explicitly granted them access.

Module 10: Securing a SharePoint 2013 Deployment

Microsoft SharePoint Server 2013 is not just a group of websites – it is also a site-provisioning engine for intranets, extranets, and Internet sites, a collection of databases, an application platform, and a platform for collaboration and social features, as well as being many other things. In addition to it touching your network, it also touches your line-of-business (LOB) applications and Microsoft Active Directory; therefore, it has a large attack surface to consider and protect. SharePoint 2013 is supplied with several security features and tools out-of-the-box to help you secure it.

Module 11: Managing Taxonomy

In order to organize information and make that information easier to find and work with, you can label or categorize information. With files and items in Microsoft SharePoint, you can apply metadata, which could be a category, a classification, or a tag, in order to organize your content and make it easier to work with.

Module 12: Configuring User Profiles

Social computing environments enable organizations to quickly identify colleagues, team members, and others with similar roles or requirements in an organization. Social features in Microsoft SharePoint Server 2013 enable users to quickly gain updates and insight into how other members of the organization are working and what information or processes people are developing, along with the progress being achieved.

Module 13: Configuring Enterprise Search

Search has been a cornerstone of Microsoft SharePoint Products and Technologies since SharePoint Portal Server 2003. Since those early days, the architecture of the search service has evolved through the Shared Service Provider architecture to the service application architecture of SharePoint Server 2010. It has also grown with the addition of FAST technologies. SharePoint Server 2013 continues this growth by re-architecting the service and integrating many of the components that were intrinsic to FAST Search to deliver a more robust and richer experience for IT staff and users.

Module 14: Monitoring and Maintaining a SharePoint 2013 Environment

Careful planning and configuration alone will not guarantee an effective Microsoft SharePoint Server 2013 deployment. To keep your SharePoint 2013 deployment performing well, you need to plan and conduct ongoing monitoring, maintenance, optimization, and troubleshooting.

For more information

To locate contact information and to learn more about education services, please visit our web site at <http://www.hp.com.au/education> .

