CXD-400: Designing App and Desktop Solutions with Citrix XenApp and XenDesktop

Course Details

Course Outline

1. **Architecture**

   - Identify the various components included in the XenApp/XenDesktop architecture

   - Determine how the various components communicate and which protocols they are using

   - Apply architectural understanding to desktop virtualization solutions

   - Troubleshoot desktop virtualization design

2. **Business Drivers**

   - Identify specific business drivers for multiple verticals

   - Facilitate a discussion with the project team at an organization to prioritize business drivers

3. **Data Capture**

   - Identify best strategy for data collection given a specific organizational environment.

   - Identify the types of application data to collect, the method for collecting them, and application data collection tools

4. **User Segmentation**

   - Identify the different FlexCast models

   - Identify considerations in selecting the most appropriate method for segmenting users

5. **Application Assessment**

   - Understand the process of application assessment

   - Demonstrate rationalization of applications in a given case organization

   - Assess a suite of applications based on business needs and compatibility to a given XenApp/XenDesktop delivery model.

6. **Project Management**

   - Understand the importance of project management for a successful implementation

   - Identify roles for a project plan

7. **User Design**

   - Make key decisions regarding user groups and device (endpoint) design

- Organize user groups for Design document
- Identify and prioritize top user issues
- Design user profile strategy
- Design a printing strategy

8. Receiver

- Define how applications will be delivered
- Design Citrix Receiver deployment and maintenance

9. Resource Req. Recommendations

- Identify recourse requirements
- Make key design decisions regarding resource recommendations

10. Access

- Design an authentication point strategy
- Determine session and access policies, including user authentication and remote access
- Design virtual desktop operating systems access
- Calculate bandwidth for the desktop virtualization solution

11. Desktop

12. 3

- Make key design decisions regarding machine catalogs and groups
- Design a personalization strategy including user profiles, user policies and personal vDisk usage.
- Design an appropriate printing strategy

13. Application Delivery

- Design a solution that meets application inventory and integration requirements
- Identify characteristics of the applications that will impact placement as well as the application delivery architecture for the XenApp/XenDesktop environment
- Design an application delivery strategy

14. Desktop Delivery

- Design a Desktop delivery topology, including Sites, XenDesktop Controllers per site, and load balancing
- Design the underlying infrastructure, including database selection, license servers and Active Directory Integration
- Identify the XenDesktop user and virtual desktop baseline policies

15. Networking Layer

- Make key high availability design decisions

- Integrate the XenApp/XenDesktop infrastructure with the network infrastructure

- Understand WAN optimization, Multistream ICA, and DHCP functionality

16. Storage and Provisioning Layer

- Make key design decisions regarding storage solutions

- Identify the features and differences between PVS and MCS

- Design a provisioning strategy with either PVS or MCS

17. Platform Layer

- Make key design decisions regarding the hypervisor to be used in desktop virtualization solutions

- Make accurate hardware calculations, including VDI hardware, shared hardware, application hardware, and control hardware

18. Operational

- Understand potential migration approaches

- Design a system monitoring strategy

- Make key design decisions regarding application delivery

19. Verification

- Verify assess and design decisions using Citrix online tools

- Develop a complete stakeholder presentation

- Effectively present and support design decisions