# 5 Days | CXD-400: Designing App and Desktop Solutions with Citrix XenApp and XenDesktop

The CXD 400 course enables the participants to design and assess a XenDesktop 7 application. The participant avails a chance to create a plan for the enterprise, assess the necessary tools and reference materials for work sustenance, and desktop solutions implemented by the Citrix customers.

**Course Objective: The accomplishment on course completion includes**

- Classification of various components and communication protocols of FMA architecture
- Architectural comprehension of desktop virtualization solutions
- Perform organizational assessment
- Desktop Virtualization Solutions
- Offer and validate design recommendations
- Troubleshooting

# Course Details

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## Course Outline

**1. Architecture:**

- XenDesktop 7 architecture
- Apply architectural understanding to desktop virtualization solutions
- Troubleshooting

**2. Business Drivers:**

- Specific business drivers for multiple verticals
- Prioritization of business drivers

**3. Data Capture**

- Data Collection Strategy
- Types of Application
- Collection methods
- Application data collection tools

**4. User Segmentation**

- Flexcast models
- Methodology for segmentation

**5. Application Assessment**

- Process Assessment
- Rationalization of Applications
- Application Assessment
- Delivery Model

## 6. Project Management

- Roles and Significance

## 7. User Design

- User groups and Device design
- Design document
- User Issues
- Design User profile and printing strategy

## 8. Receiver

- Delivery of Applications
- Deployment and Maintenance

## 9. Resource Req. Recommendations

- Requirement identification
- Recommendations and design

## 10. Access

- Design Strategy
- Determine Session and Access policies
- Design virtual desktop OS
- Desktop virtualization solution

## 11. Desktop

- Key Design Decisions
- Personalization strategy
- vDisk usage
- Printing Strategy

## 12. Application Delivery

- Application Inventory and integration Requirements solutions
- Identify Application Delivery Architecture
- Design Application Delivery Strategy

## 13. Desktop Delivery

- Design a Desktop delivery topology
- Design infrastructure
- Baseline policies

## 14. Networking Layer

- Design decisions
- Integration of XenDesktop and network infrastructure
- WAN optimization
- Multi-Stream ICA
- DHCP functionality

## 15. Storage and Provisioning Layer

- Storage Solutions
- PVS v/s MCS features and differences
- PVS or MCS provisioning strategy

## 16. Platform Layer

- Key Design decisions on Hypervisor use

- Hardware calculations

**17. Operational**

- Potential migration approaches
- System monitoring strategy
- Application delivery migration approach
- Backup and system monitoring

**18. Verification**

Verify assess and design decisions

- Develop Stakeholder presentation
- Present and support design decisions

**19. Capstone Exercise**

# Who Should Attend

Desktop virtualization solution designers like architects, consultants, and engineers.

# Pre Requisite

Experience in administering Windows Server 2012 environments and Administration of XenDesktop 7

# Exams

[CXD-400]

Date - Jun 16, 2025