

CTX6100 Citrix Core Technologies and Architecture

Three days—Instructor-led

Course Synopsis

Designed for solution architects, developers, systems integrators and other IT professionals familiar with Citrix products, this three-day course provides students with an in-depth study of Citrix core technologies from an architectural perspective. Students will be required to break down the elements of Citrix technologies, as well as isolate and describe related communications processes. The topics covered by this course serve as a foundation and prerequisite for the design, integration and methodology courses in the Citrix Certified Integration Architect (CCIA) program. CCIA-certified individuals will use this knowledge to make design and integration decisions when implementing Citrix solutions.

Course Objectives

Upon completion of this Citrix training course, delegates should be able to:

- Outline the benefits of server-based computing and identify key milestones in Citrix and server-based computing histories.
- Dissect the core components and processes of a Windows terminal server in context of Citrix MetaFrame.
- List licensing components and processes in a terminal server environment.
- Describe the Citrix Independent Management Architecture (IMA) subsystems and communication processes, and define the Citrix IMA Service.
- List the architectural processes and communications for Citrix Load Manager.
- List the major components of a Citrix MetaFrame XP server farm and related architectural and communication processes between and within zones, zone data collectors, the data store and the local host cache.
- List the major components of a Citrix MetaFrame XP server farm and related architectural and communication processes between and within zones, zone data collectors, the data store and the local host cache.
- Identify key design considerations for the Citrix Load Manager architecture.
- Outline the components of Citrix Resource Manager and the process that occurs for updating Citrix Resource Manager metrics.
- Outline the components of Citrix Installation Manager and related architectural and communication processes.
- Outline the components of Citrix [Network](#) Manager, [SNMP](#) and related functionality.
- Identify key design considerations for Citrix Resource Manager, Citrix Installation Manager and Citrix Network Manager.
- Identify printing components and related architectural and communication processes related to network printing, client printing and Independent Computing Architecture (ICA) printing.

- Diagram and describe the communication processes related to driver replication, printer mapping, printer creation, printer importing and the universal print driver.
- Identify key design considerations for printing in a Citrix MetaFrame environment.
- Identify key components and processes related to ICA technology.
- Diagram the architecture and communication processes for server farm access using Win32 clients, Citrix Nfuse Classic, Enterprise Services for NFuse, Citrix Secure Gateway and Citrix Nfuse Elite.
- Identify key design considerations for information and application access in a Citrix environment.