



**Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature
Release 3: Administration**

913 Exam

Enablement Guide

Citrix Education

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Disclaimer—

This Exam Enablement Guide is designed to allow you to assess the types of questions that may be asked during the subject Citrix certification exam. Please be aware that the contents of this guide in no way ensure a passing score on such certification exam.

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1 Purpose

This document provides a list of exam objectives for Exam 913 and a list of resources that will help prepare exam-takers for items associated with these objectives. In developing this exam, subject matter experts determined the tasks essential to administering Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3. Exam 913 was created based on these tasks. This document identifies the tasks and the corresponding resources available to help exam-takers prepare for the exam.

This document outlines, on a high level, topics that are covered in the exam and instruction on how to obtain information about these topics. Exam-takers should read this document carefully before beginning preparation for the exam.

2 The Exam

This Enablement Guide pertains to the Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3: Administration Exam (913). The exam is a (60) question exam written in English. Native English speakers have seventy-five (75) minutes to complete the exam. Non-native English speakers who take the exam in English have one hundred fifteen (115) minutes to complete the exam. The passing score for this exam is 70%. This is a rigorous examination on the subject of an administrator's role as defined by Citrix Systems' subject matter experts.

This version of the exam is based on Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3. It includes new product nomenclature and additional features consistent with this version of the product.

The exam is administrated through Prometric. For details on the rules and procedures associated with registering for the exam, please visit the <http://citrix.com/edu> website.

3 Preparatory Recommendations for the Exam

Prior to taking this exam, it is recommended that the exam-taker have the knowledge and skills necessary to manage and administer a Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3 server farm.

3.1 Recommended Knowledge

Knowledge of the following is recommended:

- Microsoft Management Console administration
- Microsoft Windows 2000 Server administration
- Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3 administration

3.2 Recommended Experience

It is recommended that exam-takers have at least 6 months of experience:

- Working with Citrix implementations
- Maintaining multiple server farms in separate domains
- Maintaining a Microsoft Windows 2000 Server or Advanced Server environment
- Using Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3

It is also recommended that exam-takers attend or self-study the Citrix course, CTX-2622BB Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3: Administration.

4 Exam Sections and Weights

4.1 Sections of the Exam

The Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3: Administration Exam (913) is divided into ten (10) sections. Each section pertains to an item on the list of most important tasks as identified in a job task analysis (JTA). The JTA defines the role of an administrator and identifies all the related knowledge, skills, and abilities of that role. The ten sections are:

- Introduction to Citrix MetaFrame XP Presentation Server, Enterprise Edition
- Using Installation Manager
- Application Packaging
- Using Management Console for MetaFrame XP Presentation Server
- Troubleshooting Installation Manager
- Using Resource Manager
- System and Application Monitoring
- Troubleshooting Resource Manager
- Resource Manager Remote Administrative Alerts
- Feature Release 3 Updates

4.2 Weights of the Exam Sections

Subject matter experts determine the importance and frequency of the tasks identified in the daily work environment of an administrator. After the subject matter experts evaluate each section of tasks, the sections are weighted based on the importance and frequency of the tasks. This weighting determines the number of questions that each section contains. Each section of Exam 913 is weighted as follows, totaling 100%:

- | | |
|---|-----|
| ▪ Introduction to Citrix MetaFrame XP Presentation Server, Enterprise Edition | 7% |
| ▪ Using Installation Manager | 10% |
| ▪ Application Packaging | 13% |
| ▪ Using the Management Console for MetaFrame XP Presentation Server | 3% |
| ▪ Troubleshooting Installation Manager | 8% |
| ▪ Using Resource Manager | 12% |
| ▪ System and Application Monitoring | 21% |
| ▪ Troubleshooting Resource Manager | 7% |
| ▪ Resource Manager Remote Administrative Alerts | 12% |
| ▪ Feature Release 3 Updates | 7% |

5 Exam Objectives and Resources for the Exam

The questions for the exam are produced directly from the exam objectives. The exam objectives are used to test the exam-taker's knowledge, skills and abilities related to each section of the exam. The exam is administered in a computer-based testing environment.

Some of the exam objectives will correspond, or map, to field experience. Exam-takers are expected to have at least 6 months of experience with Citrix implementations to increase the chances of passing this exam.

For optimal performance on this exam, Citrix recommends that exam-takers attend the CTX-2622BB Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3: Administration course and obtain field experience.

5.1 Exam Objectives and Resources

For each exam objective, the chart below lists the corresponding Citrix course(s), available technical publications, and other recommended study resources.

For all sections, at least six months experience supporting and managing MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3 is recommended.

Section	Citrix Course	Technical Publications
	Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3: Administration	Administrators Guide Citrix MetaFrame XP Server for Windows with Feature Release 3
<p>I. Introduction to Citrix MetaFrame XP Presentation Server, Enterprise Edition</p> <p>Given background knowledge on MetaFrame XP Presentation Server, Enterprise Edition:</p> <ul style="list-style-type: none"> ▪ Give a brief synopsis of installation manager ▪ Give a brief synopsis of the Management Console for MetaFrame XP Presentation Server 	✓	
<p>II. Using Installation Manager</p> <p>Given background information on installation manager:</p> <ul style="list-style-type: none"> ▪ Explain the role of installation manager components ▪ Install installation manager 	✓	✓

Section	Citrix Course	Technical Publications
	Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3: Administration	Administrators Guide Citrix MetaFrame XP Server for Windows with Feature Release 3
<p>III. Application Packaging</p> <p>Given an implementation of installation manager:</p> <ul style="list-style-type: none"> ▪ Setup the packager ▪ Package application suites and application compatibility scripts ▪ Write an installation script that creates a registry key ▪ Create a record ▪ Create a project ▪ Distinguish between ADF and MSI files ▪ Perform a rollback 	✓	✓
<p>IV. Using the Management Console for MetaFrame XP Presentation Server</p> <p>Given an implementation of the Management Console for MetaFrame XP Presentation Server:</p> <ul style="list-style-type: none"> ▪ Use the Management Console for MetaFrame XP Presentation Server to schedule applications ▪ Use the Management Console for MetaFrame XP Presentation Server to publish applications 	✓	✓
<p>V. Troubleshooting Installation Manager</p> <p>Given background information on installation manager:</p> <ul style="list-style-type: none"> ▪ Identify troubleshooting tasks ▪ Recognize and solve common installation manager server issues 	✓	✓

Section	Citrix Course	Technical Publications
	Citrix MetaFrame XP Presentation Server, Enterprise Edition, Feature Release 3: Administration	Administrators Guide Citrix MetaFrame XP Server for Windows with Feature Release 3
<p>VI. Using Resource Manager</p> <p>Given background information on a resource manager implementation:</p> <ul style="list-style-type: none"> ▪ Use resource manager ▪ Distinguish between system and application monitoring ▪ Describe system and application metrics ▪ Identify system requirements of a resource manager installation ▪ Install resource manager on a Citrix MetaFrame XP Presentation Server 	✓	✓
<p>VII. System and Application Monitoring</p> <p>Given background information on resource manager:</p> <ul style="list-style-type: none"> ▪ Explain how the different features of resource manager function ▪ Establish the metrics appropriate to monitor system activity ▪ Describe real-time system and application monitoring ▪ Generate and interpret the System Snapshot, Current Process, User Activity Reports and Server Log ▪ Configure and test one of the three alerts (E-mail, SNMP and SMS) ▪ Configure alarm thresholds ▪ Maintain folders and zones 	✓	✓

Section	Citrix Course	Technical Publications
VIII. Troubleshooting Resource Manager Given background knowledge and experience with resource manager: <ul style="list-style-type: none"> ▪ Describe the relationship between the ODBC driver and MDAC ▪ Diagnose issues using the Event Viewer ▪ Respond to a constant alarm state ▪ Explain causes of incorrect application counts 	✓	✓
IX. Resource Manager Remote Administrative Alerts Given a scenario based on a resource manager implementation: <ul style="list-style-type: none"> ▪ Configure a metric threshold, with E-mail, SNMP, SMS on Green or Red ▪ Identify various alerts including Alert on Yellow ▪ Create snapshot ▪ Print reports ▪ Manage billing and fees 	✓	✓
X. Feature Release 3 Updates Given background information on Feature Release 3: <ul style="list-style-type: none"> ▪ Identify the new features of resource manager and their functions ▪ Use Windows Management utilities 	✓	

Appendix: Practice Items

1. Which three functions are possible with installation manager? (Choose three.)
 - A. Viewing a package
 - B. Scheduling installations
 - C. Diagnosing network issues
 - D. Adding ADF and MSI packages
 - E. Assigning MetaFrame Administrators

Correct Answers: A, B and D

2. You are the administrator of a server farm that contains Windows 2000 and Windows NT 4.0 Terminal Server Edition.

What must you do to package applications for installation?

- A. Create a separate package for each operating system.
- B. Make sure that Dual OS is selected each time a package is created.
- C. Highlight both operating systems during the installation of installation manager.
- D. During installation of installation manager, create a multiple OS program that attaches to the packager.

Correct Answer: A

3. Which three components cannot be added to an installation manager project? (Choose three.)
 - A. Unattended Install Projects
 - B. Service Packs
 - C. Operating Systems
 - D. Upgraded files
 - E. Application Sets

Correct Answers: A, B, and D

4. Which action would result in a package being installed and published on a MetaFrame XP Presentation Server?
 - A. Publishing the WFS file for the package
 - B. Right-clicking on the package and selecting publish package
 - C. Selecting the packaged application to publish using the Applications node
 - D. Selecting the packaged application to publish using the Servers node

Correct Answer: C

5. Under which source are MSI package errors reported to the Event Log?
- A. MSI Installer
 - B. Station Installer
 - C. Gemini Installer
 - D. Package Installer

Correct Answer: A

6. At which percentage is the CPU threshold for an application to be included in the Server Snapshot in resource manager?
- A. One
 - B. Five
 - C. 10
 - D. 30

Correct Answer: B

7. The system and application metrics monitored by resource manager are configured on which levels?
- A. Local and Farm
 - B. Server and Client
 - C. Basic and Advanced
 - D. User and Administrator

Correct Answer: A

8. Sarah is managing a small server farm running Citrix MetaFrame XP Presentation Server Enterprise Edition, Feature Release 3. One server is running a disk-intensive program, which is causing the Disk Usage alarm to stay red constantly. Jill knows that this level of disk usage is normal for this application.

What should be done about the alarm?

- A. Sleep the alarm
- B. Snooze the alarm
- C. Raise the threshold
- D. Disable the SMS service

Correct Answer: C

9. When a directory is specified for resource manager at install time, which two items are placed into the new directory? (Choose two.)
- A. Summary files
 - B. Resource Manager Plug-in
 - C. Resource Manager local database
 - D. MetaFrame Administrators

Correct Answers: A and C

10. Which tab in the resource manager pane of the Management Console for MetaFrame XP Presentation Server should be accessed to create fee profiles?
- A. SMS
 - B. Billing
 - C. Reports
 - D. Summary Database

Correct Answer: B