

ESRI ARCGIS ENTERPRISE ADMINISTRATOR PROFESSIONAL PRACTICE TEST (SAMPLE) STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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THE FULL VERSION STUDY GUIDE

<https://esriarcgisenterpriseadminpro.examzify.com>



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Table of Contents

Copyright	1
Table of Contents	2
Introduction	3
How to Use This Guide	4
Questions	5
Answers	8
Explanations	10
Next Steps	16

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 – 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

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- 1. What type of data does ArcGIS Data Store manage?**
 - A. Only user-generated content
 - B. Operational and basemap data
 - C. Mapping applications
 - D. Geospatial analysis results
- 2. What types of web maps does ArcGIS support?**
 - A. Only 3D scenes
 - B. 2D web maps and 3D scenes
 - C. Static maps and dynamic maps
 - D. Vector maps and raster maps
- 3. Which component is required to host a GIS web application using ArcGIS Enterprise?**
 - A. ArcGIS Desktop
 - B. ArcGIS Online
 - C. ArcGIS Pro
 - D. ArcGIS Server
- 4. How do web layers function in ArcGIS Enterprise?**
 - A. They are purely decorative
 - B. They serve as data sources
 - C. They provide user interaction
 - D. They only exist offline
- 5. Which type of service may use the shared instance pool rather than dedicated instances?**
 - A. A service that requires high availability
 - B. A service with a minimum dedicated instance set to zero
 - C. A service for only static content
 - D. A service that strictly handles user requests

- 6. What does a web layer provide compared to a web map?**
- A. More user interactivity
 - B. Data handling capabilities without direct interaction
 - C. Visual appeal and user engagement
 - D. Offline functionality
- 7. If federating an additional AGS site fails due to a disabled Primary Site Administrator account, what is the remedy?**
- A. It can be re-enabled in the AGS Administrator Directory
 - B. It needs to be reset by contacting technical support
 - C. It requires creating a new administrator account
 - D. It is automatically re-enabled after a set time period
- 8. Which component is essential for running geoprocessing tasks in ArcGIS Enterprise?**
- A. ArcGIS Pro
 - B. ArcGIS Server
 - C. ArcGIS Online
 - D. ArcGIS Data Store
- 9. What is the function of an ArcGIS Enterprise geocoding service?**
- A. To analyze trends in geospatial data
 - B. To convert addresses into geographic coordinates
 - C. To visualize data on web maps
 - D. To secure data within the database
- 10. Which of the following metrics can be monitored using ArcGIS Monitor?**
- A. Only web response time and AGS service instances
 - B. Processor utilization and database connections
 - C. AGS service min/max instances and web response time
 - D. All of the above metrics

Answers

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1. B
2. B
3. D
4. B
5. B
6. B
7. A
8. B
9. B
10. D

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Explanations

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1. What type of data does ArcGIS Data Store manage?

- A. Only user-generated content
- B. Operational and basemap data**
- C. Mapping applications
- D. Geospatial analysis results

ArcGIS Data Store is specifically designed to manage operational and basemap data, which serves as the foundation for various GIS applications and services within the ArcGIS Enterprise ecosystem. This type of data includes feature layers, imagery layers, and other spatial datasets that are essential for running and managing GIS operations efficiently. Operational data refers to the data that supports the day-to-day operations of organizations, such as real-time data generated from sensors or data collected through field surveys. Basemap data, on the other hand, provides a geographic reference layer, including topographic maps, satellite imagery, and street maps that help users understand the spatial context of their data. The other types of data mentioned in the choices do not align with the primary functions of ArcGIS Data Store. While user-generated content and geospatial analysis results may be part of a broader GIS workflow, they are not the central focus of what the Data Store manages. Mapping applications refer to the software tools and interfaces used to view and interact with the data but are also outside the management scope of the Data Store itself. Thus, identifying operational and basemap data recognizes the core role of ArcGIS Data Store in supporting the broader ArcGIS Enterprise infrastructure.

2. What types of web maps does ArcGIS support?

- A. Only 3D scenes
- B. 2D web maps and 3D scenes**
- C. Static maps and dynamic maps
- D. Vector maps and raster maps

ArcGIS supports both 2D web maps and 3D scenes, making it versatile for various visualization and analysis needs. The inclusion of 2D web maps allows users to leverage traditional mapping techniques, where geographic data can be represented in layers to illustrate different features and attributes effectively. This is particularly useful for tasks involving planning, analysis, and thematic mapping. On the other hand, 3D scenes provide users the ability to visualize and analyze data in three dimensions, which can be advantageous for understanding complex spatial relationships and elevations. The ability to engage with both types of maps allows for more comprehensive data interaction, catering to a range of applications from urban planning to environmental monitoring. The other options do not encompass the full range of web maps supported by ArcGIS. For instance, while static maps and dynamic maps might refer to the nature of map interactivity rather than their dimensionality, they do not exclusively represent what ArcGIS offers in terms of 2D and 3D capabilities. Similarly, distinguishing between vector and raster maps is more about data representation rather than the types of web maps themselves, as both types of data can be integrated into both 2D web maps and 3D scenes within the ArcGIS platform.

3. Which component is required to host a GIS web application using ArcGIS Enterprise?

- A. ArcGIS Desktop
- B. ArcGIS Online
- C. ArcGIS Pro
- D. ArcGIS Server**

To host a GIS web application using ArcGIS Enterprise, ArcGIS Server is essential as it provides the necessary infrastructure to publish, share, and manage geospatial services for web applications. ArcGIS Server is designed specifically to serve data and analytical capabilities over the web, allowing users to access GIS resources via web applications. This server component enables the deployment of GIS content and offers features such as geocoding, routing, and spatial analysis services. Other components mentioned, like ArcGIS Desktop and ArcGIS Pro, are primarily used for creating and managing geographic data rather than hosting web applications. ArcGIS Online is a cloud-based platform that complements ArcGIS Enterprise but is not required to host an application within the ArcGIS Enterprise environment. ArcGIS Server is, therefore, the critical component that consolidates these functionalities into a scalable platform for delivering web applications.

4. How do web layers function in ArcGIS Enterprise?

- A. They are purely decorative
- B. They serve as data sources**
- C. They provide user interaction
- D. They only exist offline

In ArcGIS Enterprise, web layers function primarily as data sources. This means that they are integral components that allow users to access, visualize, and analyze geospatial data over the web. Web layers can represent various types of geospatial data, such as maps, imagery, feature data, or 3D scenes. By serving as data sources, they enable users to leverage this data in applications, facilitating dynamic interaction and integration with multiple services. When users create and publish web layers, they can draw information from underlying datasets stored in databases or files, making real-time updates possible as data changes over time. This capability is essential for applications that rely on current geographic information, supporting decision-making processes across various industries such as urban planning, environmental management, and transportation. The other options do not accurately reflect the primary role of web layers in ArcGIS Enterprise. While user interaction is a feature of web applications derived from these layers, web layers themselves serve a broader purpose by providing the underlying data needed for those interactions. Similarly, the concept of being purely decorative or existing only offline does not align with the functionality and operational characteristics of web layers in an enterprise context.

5. Which type of service may use the shared instance pool rather than dedicated instances?

- A. A service that requires high availability
- B. A service with a minimum dedicated instance set to zero**
- C. A service for only static content
- D. A service that strictly handles user requests

The correct choice pertains to services that have a minimum dedicated instance set to zero. In this context, shared instance pools are utilized for services that do not require a guaranteed dedicated instance, allowing for a more flexible and efficient allocation of resources. When a service has a minimum dedicated instance set to zero, it indicates that the service can operate using resources in a shared environment without needing to reserve dedicated instances. This is particularly useful for services that experience variable demand, enabling them to scale efficiently based on user requests or usage patterns. By leveraging the shared instance pool, these services can manage their load without incurring the costs and resource consumption associated with dedicated instances that are always active, even when demand is low. Utilizing shared instance pools is an effective way to optimize resource utilization, particularly for less critical services or those that can accommodate fluctuating demand without impacting performance. This design choice can lead to significant cost savings while maintaining service availability and responsiveness.

6. What does a web layer provide compared to a web map?

- A. More user interactivity
- B. Data handling capabilities without direct interaction**
- C. Visual appeal and user engagement
- D. Offline functionality

A web layer serves as a fundamental component of a web map but differentiates itself by offering data handling capabilities without necessitating direct interaction from the user. Essentially, a web layer represents spatial data that can be consumed by various applications without requiring users to manipulate the data directly. It is commonly used for background data that supports various purposes, such as analytics or data visualization, enhancing the overall functionality of a web map. In contrast, while a web map allows users to visualize these layers and interact with the data—such as zooming in and out or selecting different elements—it does not inherently store or process the data itself. The web layer provides the data, while the web map offers an interface for user interaction with that data. This distinction helps clarify how web layers function independently but collaboratively with web maps in delivering GIS capabilities. The other options focus on aspects that do not distinctly capture the primary role of a web layer, such as user interactivity, aesthetic qualities, or offline capabilities, which either belong to the broader context of web maps or may not be specific to the function of a web layer itself.

7. If federating an additional AGS site fails due to a disabled Primary Site Administrator account, what is the remedy?

- A. It can be re-enabled in the AGS Administrator Directory**
- B. It needs to be reset by contacting technical support
- C. It requires creating a new administrator account
- D. It is automatically re-enabled after a set time period

Re-enabling the Primary Site Administrator account in the ArcGIS Server (AGS) Administrator Directory is the appropriate remedy when federation fails due to the account being disabled. The AGS Administrator Directory allows for management of the server and its configurations, including user accounts and their statuses. When the Primary Site Administrator account is disabled, it prevents essential administrative actions such as federating additional AGS sites, as this process requires a valid and active Primary Site Administrator to authorize and manage federated services. Accessing the AGS Administrator Directory provides the necessary interface to manage user accounts easily, allowing you to simply enable the Primary Site Administrator account again without needing to go through the more extensive processes of resetting the account or creating a new one. The other options present less efficient or unnecessary solutions. For instance, resetting the account through technical support can introduce delays and might not be a swift fix. Creating a new administrator account would also be more complicated than needed when the existing account can be re-enabled. Additionally, an automatic re-enabling after a set time period is not a standard feature in the AGS. Therefore, enabling the account directly in the AGS Administrator Directory is the most straightforward and effective solution.

8. Which component is essential for running geoprocessing tasks in ArcGIS Enterprise?

- A. ArcGIS Pro
- B. ArcGIS Server**
- C. ArcGIS Online
- D. ArcGIS Data Store

The essential component for running geoprocessing tasks in ArcGIS Enterprise is ArcGIS Server. This component specializes in managing and executing geospatial analysis and data processing tasks. It serves as the core engine that handles the computation and processing of geospatial data, allowing users to perform tasks such as tool execution, model management, and service publishing for geoprocessing workflows. ArcGIS Server is specifically designed to perform geoprocessing requests, which can be initiated from various clients, such as web applications, mobile apps, or ArcGIS Pro. Its capabilities include serving geoprocessing services that can be used to carry out complex spatial analyses and generate outputs in various formats. Other components play important roles within the ArcGIS Enterprise environment, but they do not directly manage the execution of geoprocessing tasks. For instance, ArcGIS Pro serves as a desktop application for creating and managing GIS data and tools, ArcGIS Online provides cloud-based GIS capabilities for sharing and collaboration, and ArcGIS Data Store functions as a repository for storing layers and data that can be accessed by the Enterprise system. However, the execution of geoprocessing tasks specifically relies on the processing power and functionality of ArcGIS Server.

9. What is the function of an ArcGIS Enterprise geocoding service?

- A. To analyze trends in geospatial data
- B. To convert addresses into geographic coordinates**
- C. To visualize data on web maps
- D. To secure data within the database

The function of an ArcGIS Enterprise geocoding service is to convert addresses into geographic coordinates. This process involves taking a written address, such as "1600 Amphitheatre Parkway, Mountain View, CA," and translating it into a point on a map with latitude and longitude. This service is crucial for applications that require location-based analysis, as it enables users to map out their data according to physical addresses. Geocoding is a foundational process that supports a variety of GIS functions, facilitating efficient data integration for mapping, routing, and spatial analysis. By providing geographic coordinates, a geocoding service allows users to visualize and analyze their address-based data in a geographic context, making it an essential tool for numerous applications in various sectors, including urban planning, logistics, and real estate. The other options referenced in the question indicate functions associated with GIS technology but do not pertain specifically to geocoding services. For example, trend analysis involves examining changes in spatial data over time, web mapping deals with displaying geospatial information visually, and database security focuses on protecting data integrity and access. Each of these is important in its own right but does not define the core purpose of a geocoding service in ArcGIS Enterprise.

10. Which of the following metrics can be monitored using ArcGIS Monitor?

- A. Only web response time and AGS service instances
- B. Processor utilization and database connections
- C. AGS service min/max instances and web response time
- D. All of the above metrics**

ArcGIS Monitor is a comprehensive monitoring tool designed specifically to track the performance and availability of ArcGIS Enterprise components. By utilizing this tool, administrators can oversee various metrics that are essential for ensuring the optimal functioning of their GIS environment. Monitoring web response time is crucial as it helps assess how quickly GIS applications respond to user requests, which directly impacts user satisfaction and system usability. Additionally, tracking ArcGIS Server (AGS) service instances, including monitoring their minimum and maximum thresholds, allows administrators to manage resources effectively and ensure that the necessary capacity is available based on user demand. In terms of server performance, keeping an eye on processor utilization is vital. High processor usage can indicate that additional resources may be needed to avoid slowdowns and ensure that operations run smoothly. Monitoring database connections is also important because it helps in managing the load on database services and ensures that the database can handle the requests being sent from the GIS applications. Given this functionality, it is clear that ArcGIS Monitor is capable of tracking web response times, AGS service instances, processor utilization, and database connections, among other metrics. Therefore, the correct answer encompasses all these capabilities, affirming that monitoring all of these metrics provides a comprehensive overview of the system's health and performance.

Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

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We wish you the very best on your exam journey. You've got this!

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