



EXAM INFORMATION GUIDE

Enterprise Administration Professional

19-001



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EXAM DESCRIPTION

Exam Details:

Enterprise Administration Professional 19-001

- Exam Questions: 80
- Exam Type: Core
- Exam Format: Multiple Choice
- Exam Language: English
- Exam Cost: \$250 USD

Exam Purpose:

The ArcGIS Enterprise Administration Professional Exam tests the candidate's experience applying ArcGIS concepts and processes to workflows. This exam validates skills related to configuring a base ArcGIS Enterprise deployment, configuring, maintaining, and troubleshooting the core components, and managing updates to services and apps. Candidates should have at least 2 years of experience installing, configuring, and supporting ArcGIS Enterprise.

- [Exam Catalog Description](#)

Target Candidate Audience:

This exam is most appropriate for candidates that are ArcGIS Enterprise administrators, practitioners, and non-admins who do ArcGIS work. Also, consultants, system integrators, system administrators, and ArcGIS managers.

- [Digital Badge Details](#)

Eligibility Requirement:

This is a core exam, there are no eligibility requirements to register for any level of core exams. Test takers must pass a core exam before registering for a specialty exam.

Description of Qualified Candidate:

The ArcGIS Enterprise Administration Professional exam is designed for candidates with at least two years of knowledge, understanding, and experience with ArcGIS Enterprise. It is recommended the candidate have extensive experience implementing and administering ArcGIS Enterprise according to Esri best practices. The MQC can troubleshoot common technology issues and distinguish between ArcGIS Enterprise components and supported systems issues such as RDBMS and web servers.

CANDIDATE QUALIFICATIONS

A qualified candidate should be able to perform the following tasks:

- Install and configure a base enterprise deployment
- Troubleshoot active deployments
- Basic IT fundamentals
- Authorize ArcGIS software
- Configure a secure environment
- Use operating system (Windows, Linux, etc.)
- Understand and implement the Esri licensing model
- Integrate identity store
- Configure the hosting server
- Publish and administer Enterprise services
- Understand Portal content
- Understand Enterprise as a CMS
- Understand role of service
- Manage user groups
- Understand stacks (web apps v web maps)
- Understand Rest API calls
- Register data sources
- Understand Python
- Interpret server logs
- Employ WebGISDR
- Determine appropriate Esri tool (AWS, Azure, etc.)
- Monitor system health, conduct performance tuning, and identify bottlenecks across an ArcGIS Enterprise deployment

A qualified candidate should NOT be expected to perform the following tasks:

- Integrate HA within Enterprise
- Scale Enterprise
- Administer network skillsets
- Design architecture
- Administer Geodatabases
- Develop applications
- Perform GIS analyses
- Install and configure additional ArcGIS Server roles

A qualified candidate should be familiar with the following product/products:

- ArcGIS Enterprise

SKILLS MEASURED

The following list will familiarize candidates with the exam sections to help guide exam preparation. The relative weight of each section is provided to illustrate the approximate size of each section. Candidates should review this list and assess their knowledge of each skill. Specific preparation resources are available to assist with refreshing in areas where any knowledge gaps are found.

Implement and Deploy ArcGIS Enterprise

25%

- Apply Esri best practices to install, configure, and upgrade a base ArcGIS Enterprise deployment
- Apply Esri best practices to configure security for ArcGIS Enterprise
- Apply procedural concepts to authorize ArcGIS Enterprise
- Identify appropriate ArcGIS Server roles

Troubleshoot ArcGIS Enterprise

18%

- Summarize the configuration of a base ArcGIS Enterprise deployment to include the security implementation method and the configuration requirements
- Interpret Server and Portal logs
- Troubleshoot performance issues

Maintain and Support ArcGIS Enterprise

33%

- Given a scenario, perform system health checks and conduct performance tuning
- Apply procedural concepts to apply updates and patches
- Apply best practices to conduct backups and restorations
- Apply procedural concepts to optimize services
- Apply procedural concepts to manage users for an ArcGIS deployment

Manage Content

24%

- Apply procedural concepts to configure service capabilities and properties to meet user requirements
- Apply procedural concepts to register on-premises or cloud-based data sources with ArcGIS Enterprise
- Apply procedural concepts to manage groups and content

EXAM RESOURCES

The following training resources are available to help you prepare for your exam but are not required.

Please utilize this list of preparation resources with the list of “skills measured” topics so you can identify appropriate training options for any possible knowledge gaps.

The Esri curated Learning Plan for this exam is updated continually based on the Training Services course and content retirement schedule.

Please note that completing the recommended training courses does not guarantee that you will achieve the requirements for a specific certification exam.

ESRI LEARNING PLAN

- [Esri ArcGIS Enterprise Administration Professional Certification 19-001](#)

BOOKS AND ADDITIONAL SOURCES

- [Architecting the ArcGIS Platform: Best Practices \(March 2020\)](#)
- [ArcGIS Online Implementation Guide](#)
- [Migrating Standalone ArcGIS Server to ArcGIS Enterprise](#)
- [Esri Website: What is ArcGIS Enterprise?](#)
- [Esri Website: ArcGIS Enterprise Installation Guides](#)
- [GeoNet - The Esri Community](#)
- [ArcGIS Blog - Enterprise Articles](#)