

ArcGIS Utility Network Associate 2024 - Beta

2024

Exam Details:

ArcGIS Utility Network Associate 2024

- Exam Questions: 75
- Exam Type: Beta
- Exam Format: Multiple Choice
- Exam Language: English
- Exam Cost: \$250 USD

Exam Purpose:

The ArcGIS Utility Network Associate Beta exam tests the candidate's experience with applying ArcGIS Utility Network concepts and processes to workflows. This exam validates skills related to concepts including editing, analyzing, managing data in a utility network, and performing basic administration tasks.

Target Candidate Audience:

The ArcGIS Utility Network Associate Exam is for anyone who has experience with industry-specific asset management and services-based architecture. Candidates should have a strong understanding of the core utility network information model. Typical roles are Experienced industry specialist, GIS Analyst, GIS Administrator, GIS Manager, GIS Specialist, Geospatial Engineer, GIS Technician.

Description of Qualified Candidate:

The qualified candidate should have two to four years of experience with the ArcGIS Utility Network. They should also have industry-specific asset management experience working with ArcGIS in multi-user models. The candidate should have experience with services-based architecture and a strong understanding of the core utility network information model. In addition, the candidate should have experience with basic administration editing, analyzing, and managing data in a utility network.



CANDIDATE QUALIFICATIONS

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

- Describe the utility network information model including its structure and components
- Demonstrate utility network management experience
- Understand ArcGIS Enterprise data management
- Knowledge of services-based architecture using published services
- Create rules for spatial and association connectivity models
- Apply attribute rules to validate spatial and attribute data with Pro tools
- Apply attribute rules to improve the editing experience and data quality
- Understand network topology workflows
- Configure and perform tracing of utility networks
- Explain implementation of connectivity, container, and attachment associations
- Deploy ArcGIS Utility Network Foundation Solutions
- Understand different user types and their available features
- Understand branch versioning workflows
- Utilize asset package for importing and exporting content and schema between environments
- Create edit templates

A qualified candidate should NOT be familiar with the following:

- Administrate Database Management Systems
- Migrate source asset data to the utility network data model
- Create Arcade scripts for Attribute Rules
- Automate workflows with ArcGIS tools including Python, Model Builder, Tasks
- Create map Layout designs in ArcGIS Pro
- Administer ArcGIS Enterprise Portal
- Perform tuning of ArcGIS Server services
- Use functionality outside of a Pro client such as the Rest API, SDKs, create web apps, etc.
- Understand disconnected editing workflows
- Configure contingent attribute values
- Demonstrate individual commodity domain industry knowledge
- Integrate systems with REST API
- Perform data modeling tasks using DM tools
- Create custom diagram templates
- Define data requirements for logical modeling
- Configure network diagram templates
- Create and configure a utility network

A qualified candidate should be familiar with the following tools:

This exam update is to align with the Network Management Release Plan that includes at least:

- ArcGIS Utility Network (Version 4 and later)
- ArcGIS Enterprise 10.8.1
- ArcGIS Pro 2.6

SKILLS MEASURED

Candidates should fully prepare for testing using the exam content sections below as a checklist to identify possible gaps between their knowledge and the skills measured by the exam. The relative weight illustrates the approximate size of each section. It is recommended that focused preparation should be in areas where any knowledge gaps are found.

Deploy

Pending Beta Results

- Describe the utility network information model
- Deploy ArcGIS Utility Network Foundations solutions

Configure

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- Identify various data management concepts leveraged by the utility network
- Given a scenario, configure a utility network

Edit

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- Describe various components for editing the utility network
- Describe the various network diagram commands
- Given a scenario, perform network topology edits

Analyze

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- Describe approaches for managing utility network topology
- Given a scenario, configure and perform tracing of utility networks
- Given a utility network, perform data quality control analysis
- Given a scenario, perform common subnetwork management tasks

RESOURCES

These training resources along with the list of exam objectives may be used to identify appropriate training options for any possible knowledge gaps but are not required.

The Esri curated exam Learning Plan is updated continually based on Esri Academy courses and the content retirement schedule.

Please note that completing the recommended training courses does not guarantee a passing score on a specific certification exam.

ESRI ACADEMY

- [Exam Description Page](#)
- [Exam Preparation Video](#)
- [ArcGIS Utility Network Associate Certification 2024 Learning Plan](#)

ESRI COMMUNITY

- [Esri Technical Certification](#)
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LINK TO ARCGIS DOCUMENTATION

- [ArcGIS Documentation](#)