

ArcGIS® Utility Network Associate 2024

Exam Details:

ArcGIS Utility Network Associate 2024

- Exam Questions: 75
- Exam Duration: 1 Hour, 30 Minutes
- Exam Type: Operational
- Exam Format: Multiple Choice
- Exam Language: English
- Exam State: published 22 March 2024

Exam Purpose:

The ArcGIS Utility Network Associate 2024 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 2024 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:

- 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 20%

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

Configure 23%

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

Edit 25%

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

Analyze 32%

- 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

To help prepare for the exam, we recommend candidates use the training resources below, along with the list of exam objectives, to identify and fill any knowledge gaps. Completing the recommended training courses does not guarantee a passing score on a certification exam.

The Esri-curated learning plan for this exam is updated regularly to reflect the latest Esri Academy resources and resource retirement schedules.

ESRI ACADEMY

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

ESRI COMMUNITY

- [Esri Technical Certification](#)
- [Welcome to our Esri Community Place](#)
- [Esri Exam Preparation Resources](#)
- [Primary Exam Article](#)
- [Exam Version Article](#)

LINK TO ARCGIS DOCUMENTATION

- [ArcGIS Documentation](#)