

ArcGIS AI assistants

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ArcGIS Is Being Enhanced with AI

Integrating the Power of GIS and AI across Organizations and Workflows



GeoAI

Tools & Models

Advancing Science



AI Assistants

*Improve Access &
Efficiency*

Productivity



AI Agents

*Automating Work,
Enabling Apps, . . .*

Collaboration



ArcGIS

- GIS Tools & Data
- Agents
- Models
- LLMs

GeoAI Tools and Models

AI-Driven Geospatial Data Extraction & Analytics

Data Types:

- Imagery, 3D, Text, Vector and Time Series

Workflows:

- Feature Extraction, Change Detection, Text Entity Extraction . . .
- Similarity Search, Predictive Analysis, Anomaly Detection . . .

GeoAI Models:

- Ready-to-Use, ArcGIS Living Atlas of the World
- Train Your Own, Deep Learning Studio, Pro or Python

Coming:

- Location Embeddings

Object Detection



3D Feature Extraction



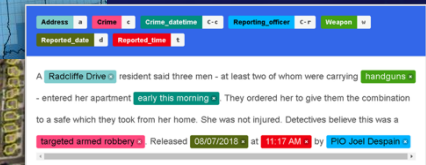
Change Detection



Time Series Forecasting



Entity Extraction



Landcover Classification



Building Footprint Detection

ArcGIS AI Assistants

Streamlining your work and making GIS easier

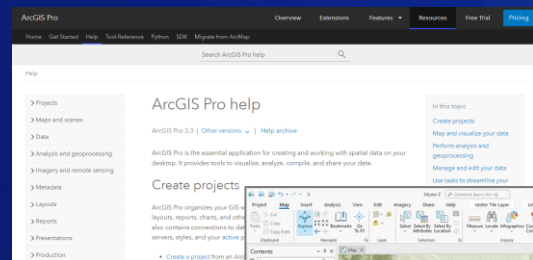
Assistants for..

- App creation
- Mapping
- Learning
- Coding
- Storytelling
- ...

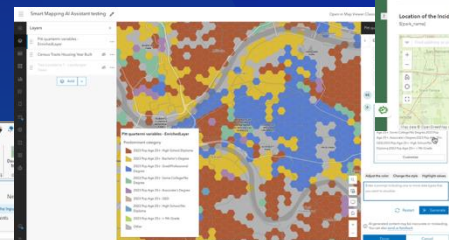
Available now

- Business Analyst (Preview)
- Survey123 (Preview)
- Pro (Private Beta)
- Arcade (Beta)
- Hub (Beta)
- StoryMaps (Beta)
- Documentation (Beta)
- And more...

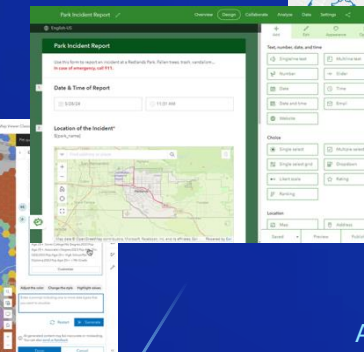
Documentation



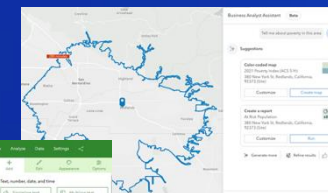
Map Viewer & Arcade



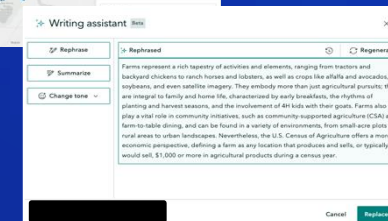
Survey123



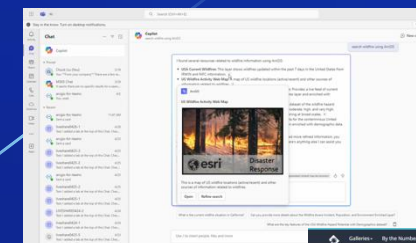
Business Analyst



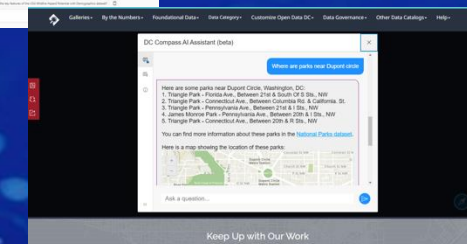
StoryMaps



ArcGIS for Microsoft Teams



ArcGIS Hub



ArcGIS

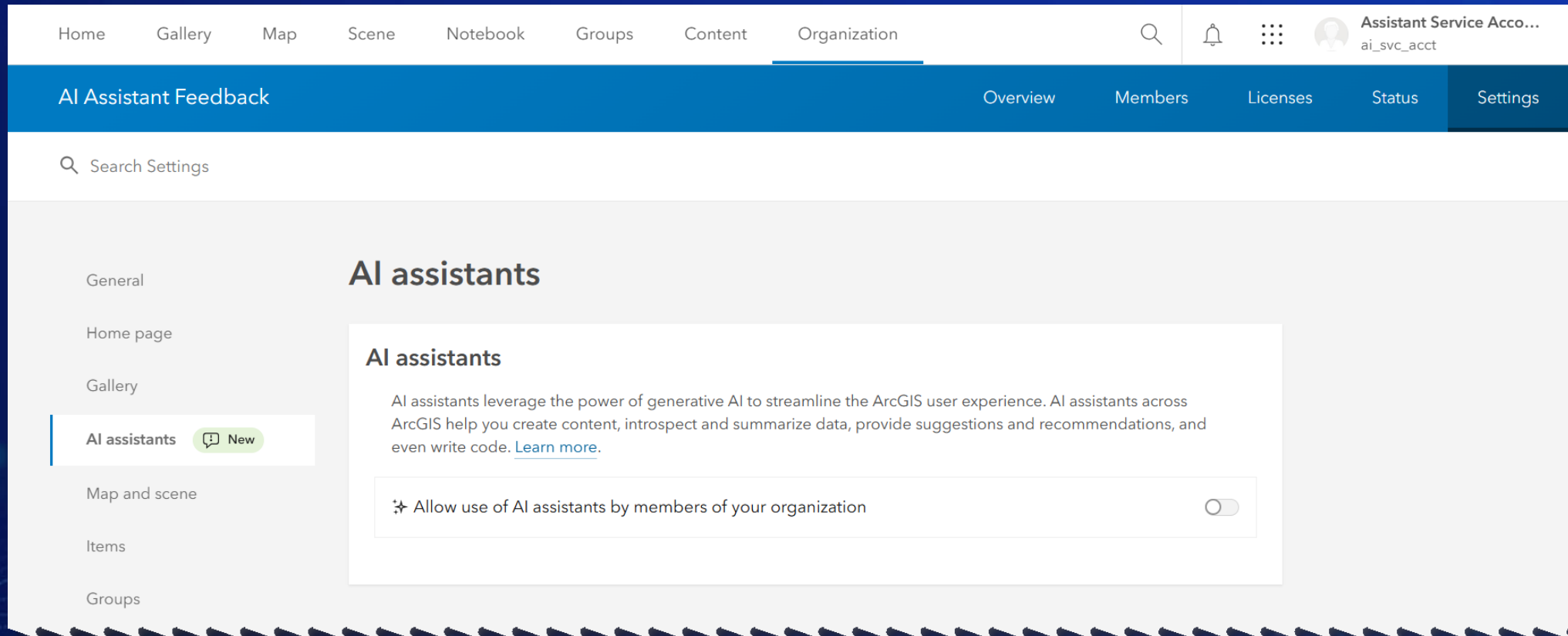
Inspiring and augmenting your power as a user

Poll Question 1

How to enable AI assistants in your organization

AI assistant organization setting

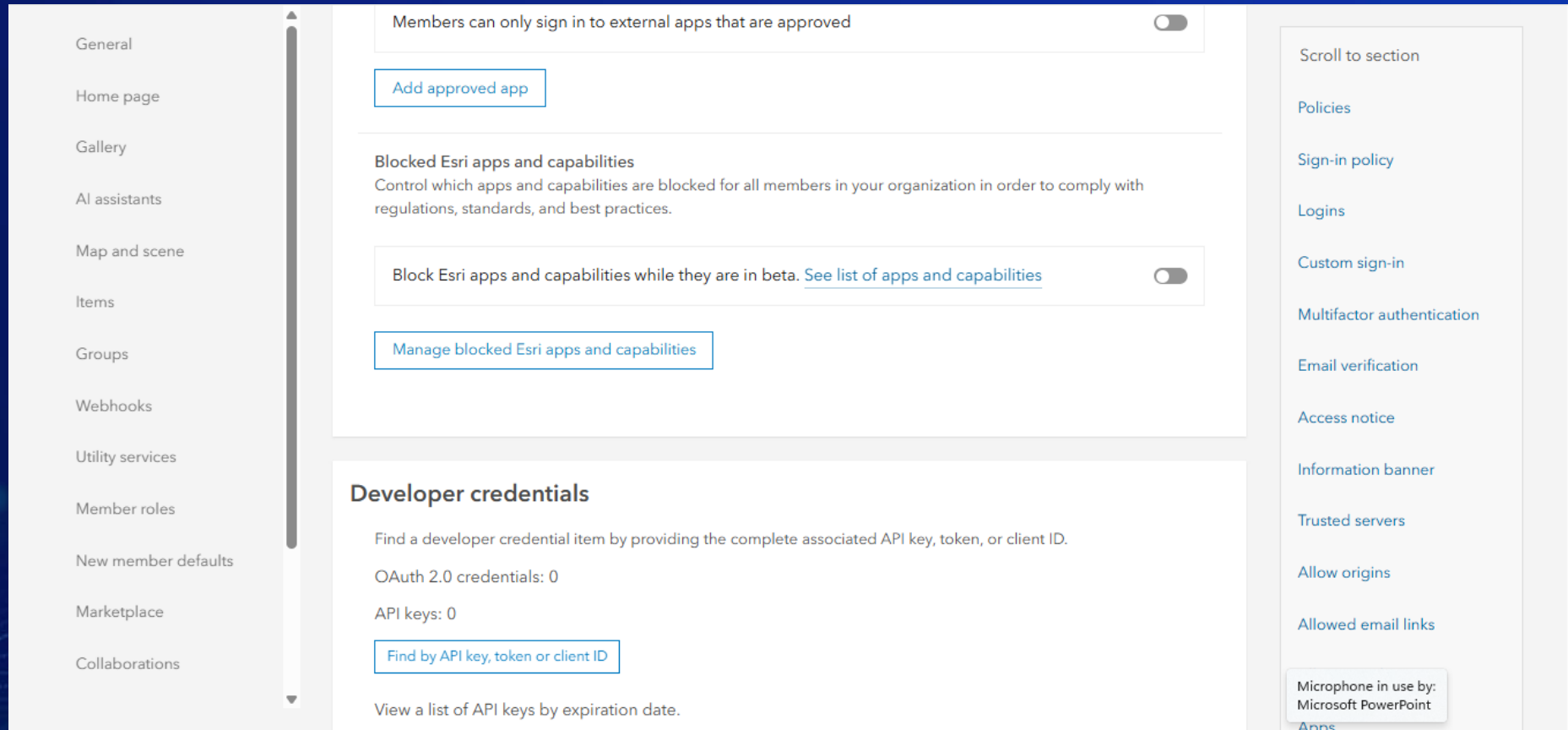
Opt-in workflow to enable use of generative AI in ArcGIS



Read [Configure AI assistants help topic](#) for details

Beta blocker org setting

Allows administrators to block features in Beta



Read [Configure AI assistants help topic](#) for details

AI assistants role privilege (New in ArcGIS Online R1.2026 update)

Allows you to progressively role out assistants across users in your organization

The screenshot displays the ArcGIS Online Organization management interface. The top navigation bar includes links for Home, Gallery, Map, Scene, Notebooks, Groups, Content, and Organization. The Organization page has sub-tabs for Overview, Members, Licenses, Dashboard, Reports, and Settings. The Overview tab is active, showing details for 'Provider Org'.

Provider Org [Edit settings](#)

 Subscription ID: 1929561793
Feature Data Store: Standard, 23% storage used
Regional data hosting: United States
Services health dashboard: [All systems operational](#)

Created: Dec 2, 2016 | Renewal date: Apr 20, 2027

Credits [View status](#) [Buy credits](#)

Total remaining credits	Last 30 days	Last 24 hours
1,167,040.80	27,193.80	845.70

Last 30 days chart: Storage (green), Analytics (blue), Subscriber content (orange). The chart shows a sharp drop in storage credits around Jan 22, 2026.

Members [Invite members](#) [Manage members](#)

23 members with unverified email addresses
Email verification helps members ensure they can receive critical information from ArcGIS Online, such as password resets and account changes. Members can verify their emails on the 'My settings' page, or when prompted at sign in.

[Create a member report](#) [View unverified members](#)

Add-on licenses [Manage add-on licenses](#)

License Type	Assigned	Available	Total
ArcGIS Pro Standard	4	96	100
ArcGIS Pro Advanced	0	100	100

Advancing Trusted AI in ArcGIS

New Trusted AI section in trust.arcgis.com

- trust.arcgis.com
- Outlines Esri's guiding principles for AI in ArcGIS
 - Security
 - Privacy
 - Transparency
 - Fairness
 - Reliability
 - Accountability

The screenshot displays the Esri ArcGIS Trust Center website. The top navigation bar includes links for Products, Industries, Support & Services, Stories, and About. Below this, a secondary navigation bar features tabs for ArcGIS Trust Center, Overview, Security, Privacy, **Trusted AI** (highlighted with a green arrow), Compliance, and Documents. A 'Launch Security Adviser' button is also present. The main content area is titled 'Trusted AI / Overview' and includes a search bar. On the left, a sidebar lists navigation options: Overview, Trusted AI in ArcGIS (selected), Transparency card structure, Transparency cards, and Implementation best practices. The main text area is headed 'Trusted AI in ArcGIS' and contains a paragraph about Esri's commitment to trust in AI development. Below this is a section titled 'Geo AI and Assistants' with a bullet point describing 'GeoAI'. On the right, a 'In this topic' sidebar lists links: Geo AI and Assistants, Landscape, Guiding principles, Esri's approach, Safeguards, Deep Learning, Non-Product features, Collaboration, and References.

esri | THE SCIENCE OF WHERE

Advancing Trusted AI in ArcGIS

Trusted Artificial Intelligence (AI) goes beyond simply achieving accurate results for ArcGIS products. It is a journey of continuous advancement that encompasses a holistic approach prioritizing security, privacy, transparency, fairness, reliability and responsible development and deployment of AI. We recognize the power of AI technology and its potential to transform society and design a better, more sustainable future. The rapid advancements in generative AI highlight the urgent need for frameworks that guide trusted AI deployment and bridge the AI trust gap.

Legacy of AI Trust and Innovation

Before the generative AI boom of the past few years, when people talked about AI, typically they were referring to machine learning and deep learning models used in pattern recognition, forecasting, object detection, change detection, and more. Over a decade ago, Esri started with machine learning to perform clustering, regression, and classification on spatial data. More recently, work has continued in both the machine learning and deep learning space, including the introduction of [pre-trained deep learning models](#) that are trained using massive, diverse datasets to make it easier to get started with tasks such as feature extraction, point cloud classification, and image redaction. This work falls under the umbrella of what Esri refers to as [GeoAI](#).

Generative AI refers to a type of machine learning model designed to create new content, or

esri | Products | Industries | Support & Services | Stories | About

ArcGIS Trust Center | Overview | Security | Privacy | **Trusted AI** | Compliance | Documents | Launch Security Adviser

Search ArcGIS Trust Center

Trusted AI / Overview

Overview

- Trusted AI in ArcGIS
- Transparency card structure
- Transparency cards
- Implementation best practices

Trusted AI in ArcGIS

At Esri, we prioritize trust in AI development and deployment. Trusted AI in ArcGIS focuses on security, privacy, transparency, fairness, reliability, and accountability. This reflects Esri's values and commitment to responsible innovation, bridging the AI trust gap, and fostering positive societal change. Explore further information on Esri's Advancing Trusted AI in ArcGIS [here](#).

Geo AI and Assistants

Esri leverages two major categories of AI within ArcGIS:

- **GeoAI:** Uses pre-trained deep learning models for tasks such as feature extraction, pattern recognition, and predictive analysis. GeoAI integrates into geospatial workflows, empowering users to analyze spatial data with advanced computational tools.

In this topic

- [Geo AI and Assistants](#)
- [Landscape](#)
- [Guiding principles](#)
- [Esri's approach](#)
- [Safeguards](#)
- [Deep Learning](#)
- [Non-Product features](#)
- [Collaboration](#)
- [References](#)

Transparency Cards: Building Trust in AI

In-depth details about our AI features

- What Are Transparency Cards and Why Do They Matter?
 - Short, structured summaries of our AI features
 - Empower you to make informed, decisions about using AI in ArcGIS
- What They Include:
 - Purpose of AI in the product
 - Certification, deployment method, how you can manage access
 - Data storage, processing location
 - Scoped usage and intended users
 - Models, training data and level of human interaction
 - Security, guardrails and best practices...
- Who Should Use Them:
 - Analysts, developers, and decision-makers working with AI tools
- Key Benefit:
 - Supports transparency for your informed use of AI



AI Transparency Cards for ArcGIS

Esri recognizes that for customers to make responsible decisions relative to the usage of Artificial Intelligence (AI) they need transparency concerning feature functionality, data sources, and the privacy and security safeguards in place. Esri provides two major categories of AI features within our products, GeoAI using pre-trained deep learning models to facilitate tasks such as feature extraction, and generative AI such as AI Assistants within ArcGIS. To better understand Esri's Trusted AI strategy and these categories

AI Transparency Card Structure

Generative AI features are not yet in production release in Esri products; however, we are including transparency cards for AI features in the beta stage for early awareness and transparency for our customers to make responsible AI decisions with our products. We welcome your feedback as we expand our AI Transparency card coverage across our product features over time.

Each section of the model card contains a description field and response. To provide clarity for sections that may have specific options available across the transparency cards, they are summarized below:

Section	Description
Product Name	Example: ArcGIS Online, Business Analyst, ...
AI Feature Name	Example: ArcGIS Business Analyst Assistant, ...
Documentation*	Link to ArcGIS.com help documentation for the AI feature
Description*	Actions the AI feature is expected to perform within the product
AI Feature Deployment	Select One: SaaS, PaaS, COTS Self-contained, COTS External Service
Release Status	Select One: Beta, Production, Initial Release (For SaaS: Month/Year; For COTS: version)
Primary Intended Users	Example: Administrator, GIS Analyst, Public, ...
Out of Scope Uses*	Applications outside intended domain or data that deviates from training conditions
Key Function	Select One: - Automate: AI reduces repetitive tasks - Analyze: AI provides actionable insights into data - Augment: AI enhances creative exploration and problem-solving
Model Type*	Example: generative, neural network, transformer, decision tree, etc.
Model Used	Example: OpenAI GPT-4, Microsoft Azure OpenAI, etc.
Model Deployment Type	Select One: - On-Premises (e.g., fully deployed within the customer's infrastructure).
Model License*	Select One: - Proprietary: Developed internally by Esri - Open Source: Developed by a third party and publicly available - Licensed: Licensed for use from a third party - Combination: Contains both internal and third-party components

Explore the cards:

trust.arcgis.com/en/trusted-ai

1

ArcGIS assistants in preview

ArcGIS assistants in preview

Available in ArcGIS Online for everyone to use

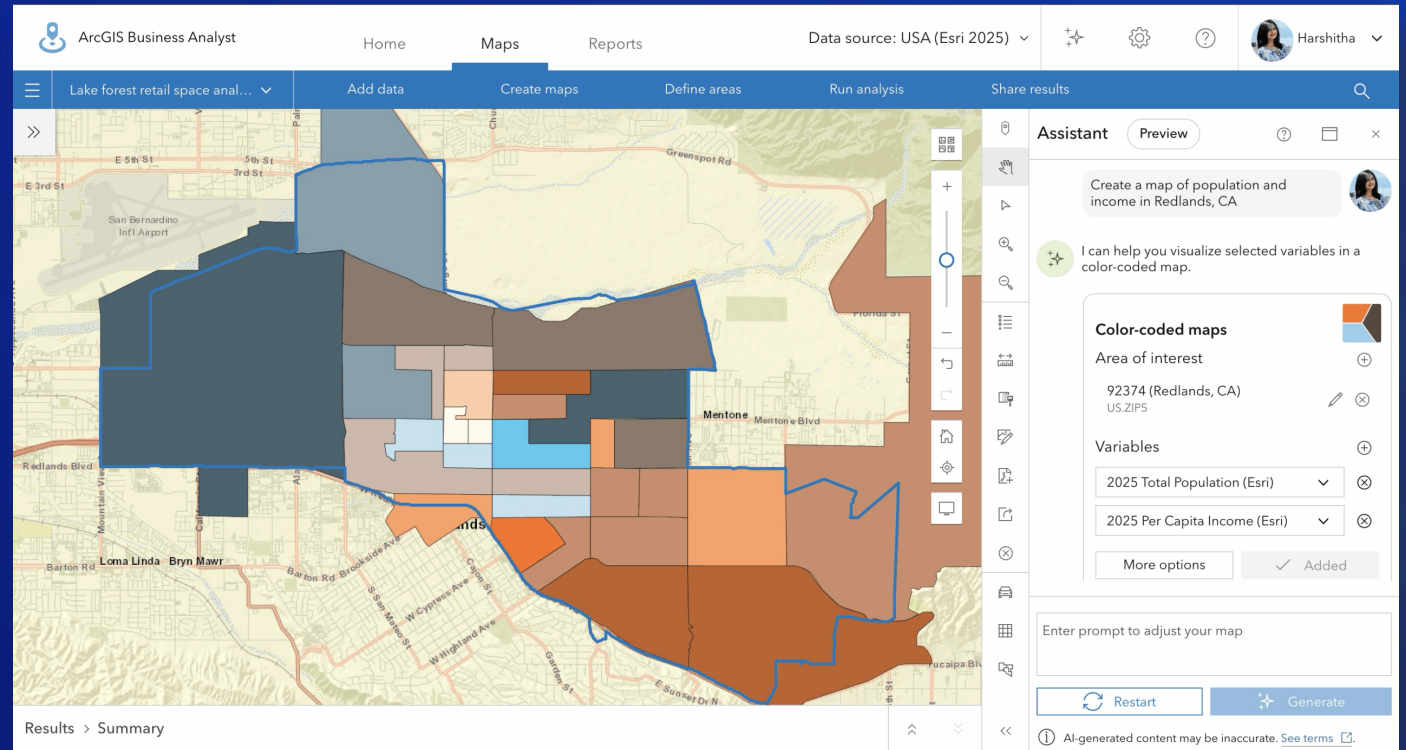
- Assistants in preview :
 - Fully documented and functionally complete
 - Security baseline validated and transparency card available
 - Available for use at no additional cost while in preview
- Learn more about [AI Assistants Preview](#)
- Available now:
 - Business Analyst
 - Survey123
 - Instant Apps



Business Analyst assistant (preview)

An in-app assistant to help users get started and boost productivity

- Ease the learning curve
- Improve productivity
- New:
 - Compare sites on a map
 - Multiple steps in a single prompt
 - Multilingual support
- Coming next to BA Enterprise
- [Learn more](#)



Poll Question 2



test ▾

Add data

Create maps

Define areas

Run analysis

Share results

Business Analyst Assistant (preview)

coordinates



Survey123 assistant (preview)

Streamline survey creation

- Quickly draft survey designs through a conversational experience
 - “Create a fire hydrant inspection form”
 - “Create a survey for residents to report property damage”
 - “Create a survey to gather feedback after a town meeting”
- Translate surveys into other languages
- [Learn more](#)

The image displays the Survey123 assistant interface, which is a conversational tool for creating surveys. The main window shows a draft of a "Fire Hydrant Inspection Form". The form includes sections for "Hydrant Location", "Hydrant Identification", and "Hydrant Condition". The "Hydrant Location" section prompts the user to specify the location using one of the following methods: Address, OR, or Map. The "Hydrant Identification" section prompts the user to enter the Hydrant ID Number. The "Hydrant Condition" section prompts the user to indicate if the hydrant is visibly damaged and to describe the damage if yes. The "Photo Documentation" section prompts the user to capture or upload photos. A "Send a message" button is visible at the bottom of the form design area. To the right, a mobile device screen shows the same form as it would appear to a user, with fields for "Hydrant Location (Address)*", "Hydrant Location (Map)*", "Hydrant ID Number*", and "Is the hydrant visibly damaged?*", along with a map interface and a "Send a message" button.

create a fire hydrant inspection form

Certainly! Here's a carefully crafted fire hydrant inspection form designed for easy use and comprehensive data collection:

Fire Hydrant Inspection Form

Thank you for taking the time to inspect the fire hydrant. Your observations are crucial for maintaining safety in our community.

Hydrant Location

Please specify the location using one of the following methods:

- **Address:** (Enter the exact address where the hydrant is located. An autocomplete feature will assist you in finding the precise address.)
- OR
- **Map:** (If the exact address is unknown, please click on the map to pinpoint the hydrant's location.)

Hydrant Identification

- **Hydrant ID Number:** (Enter the identification number visible on the hydrant.)

Hydrant Condition

- Is the hydrant visibly damaged?
 - ☐ Yes
 - ☐ No
- If yes, describe the damage: _____

Photo Documentation

Please capture or upload photos for the following:

Send a message

6:38 PM

Fire Hydrant Inspection Form

Hydrant Location (Address)*

Hydrant Location (Map)*

Find address or place

Esri, USGS | Esri, FAO, NOAA, USGS Powered by Esri

Lat: Lon:

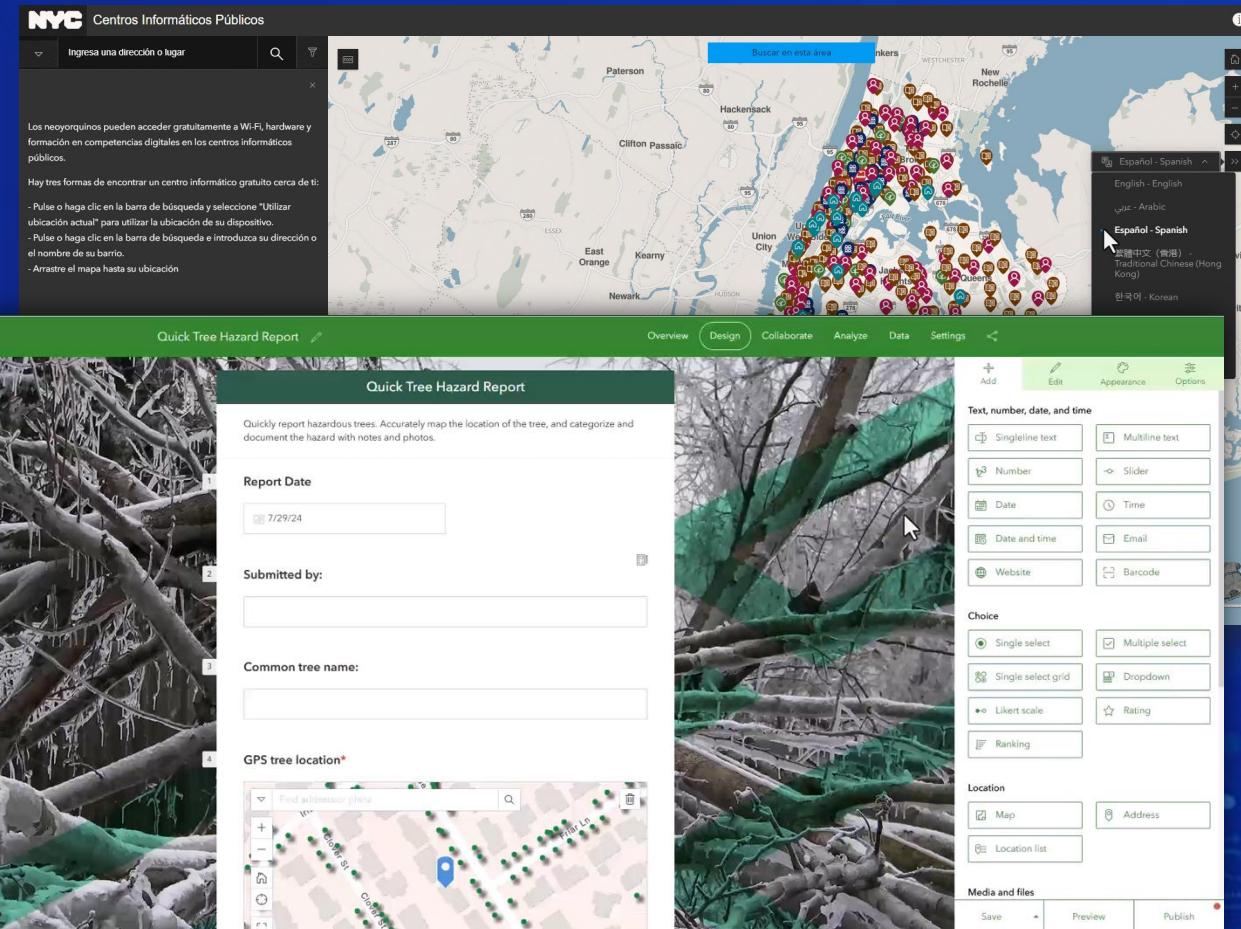
Hydrant ID Number*

Is the hydrant visibly damaged?*

Translation assistants (preview)

Streamline the creation of multi-lingual GIS information products

- Translate GIS apps into multiple languages using machine translation
- Available in:
 - [Survey123](#)
 - [Instant Apps](#)
- Support in other apps coming...



Voluntary Camera Registration Form

This form allows residents and business owners to register their security cameras to assist the police department in deterring and solving crimes quickly in our community.

1 Contact Information ⓘ

2 Name*

First and Last name

3 Email*

4 Security Device Information ⓘ

Approximate location of camera*

Manage Survey Languages

 Languages: 1  Done

English-US (default) 

[Add language](#)

 Voluntary Camera Registration Form

 This form allows residents and business owners to register their security cameras to assist the police department in deterring and solving crimes quickly in our community.

 Contact Information

 Name

Q First and Last name

 Email

 Security Device Information

1 Approximate location of camera

@ Number of cameras at location

• One

• Two

• Three or more

@ Can the footage of the camera(s) be accessed and shared?

• Yes

• No

• Footage retention policy

A few hours

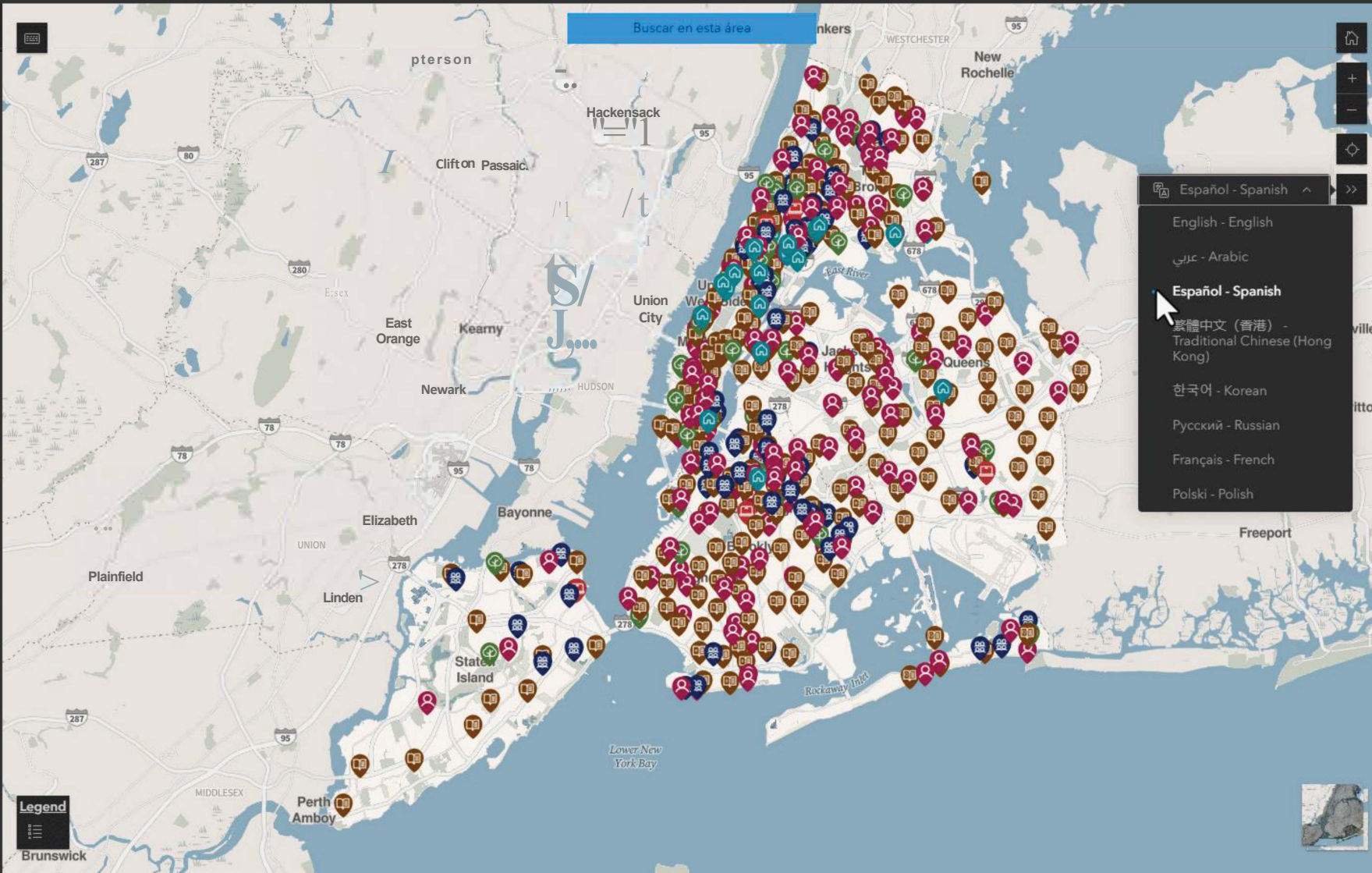
Ingresa una dirección o lugar



Los neoyorquinos pueden acceder gratuitamente a Wi-Fi, hardware y formación en competencias digitales en los centros informáticos públicos.

Hay tres formas de encontrar un centro informático gratuito cerca de ti:

- Pulse o haga clic en la barra de búsqueda y seleccione "Utilizar ubicación actual" para utilizar la ubicación de su dispositivo.
- Pulse o haga clic en la barra de búsqueda e introduzca su dirección o el nombre de su barrio.
- Arrastre el mapa hasta su ubicación

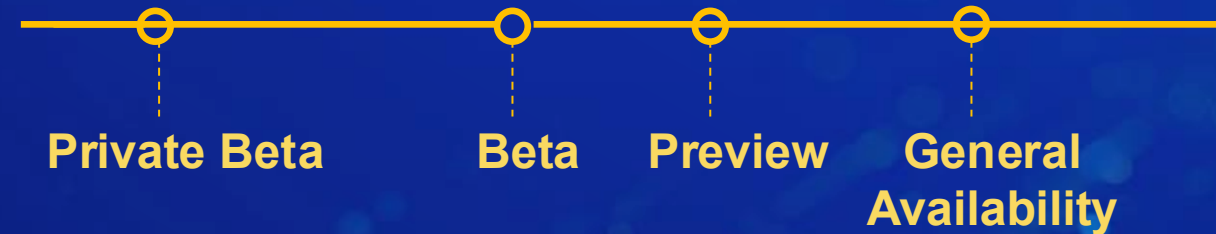


Poll Question 3

ArcGIS assistants in beta

Available in ArcGIS Online and Enterprise* for beta testing purposes

- Assistants in beta :
 - Not functionally complete nor fully documented
 - No security baseline assurance. Transparency card not available
 - Tech support via Early Adopter Program or Esri Community
- Available now:
 - Hub, StoryMaps, Documentation
 - Notebooks, Arcade
 - Solutions
 - Item details
 - ArcGIS for Teams
 - Survey123 AI analysis tools

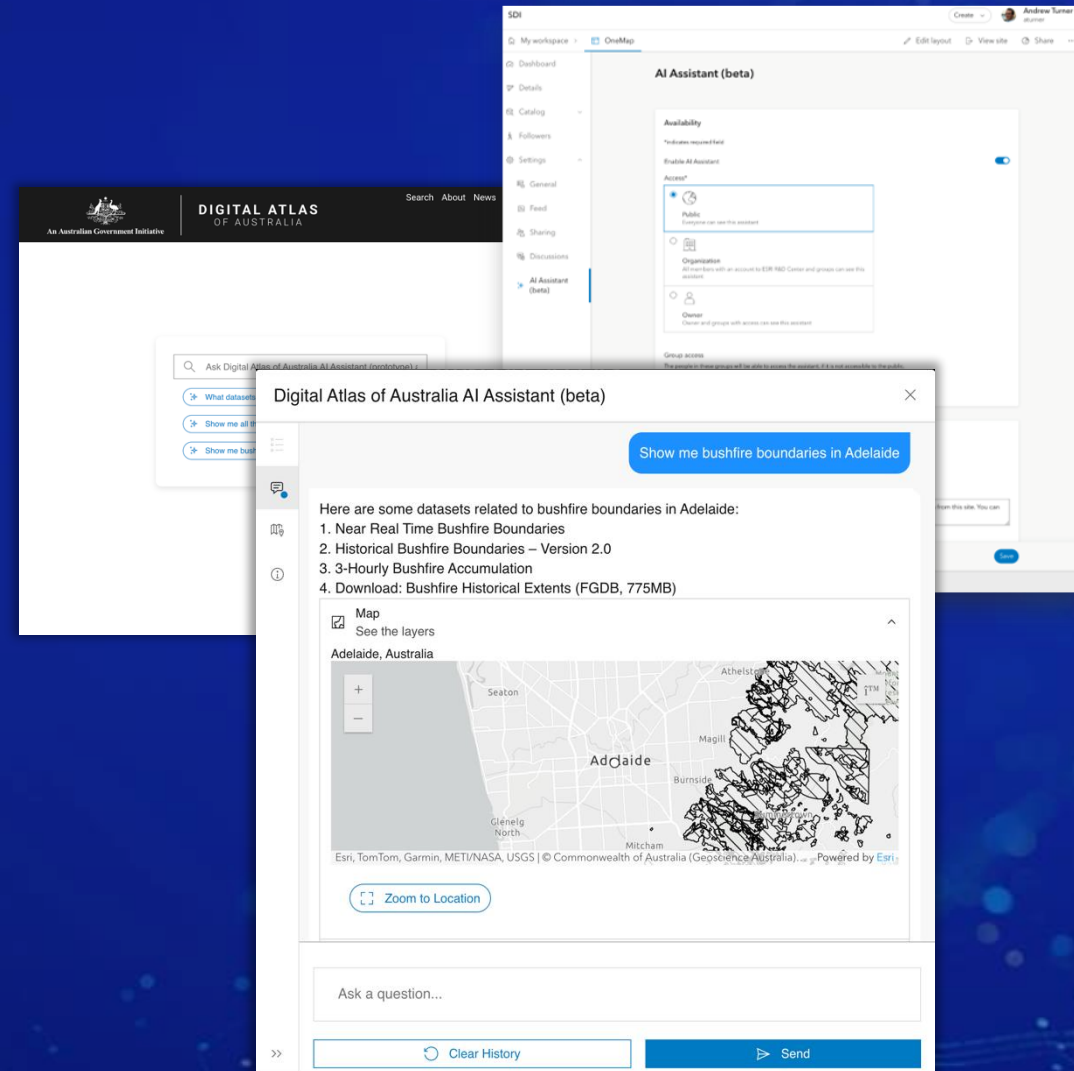
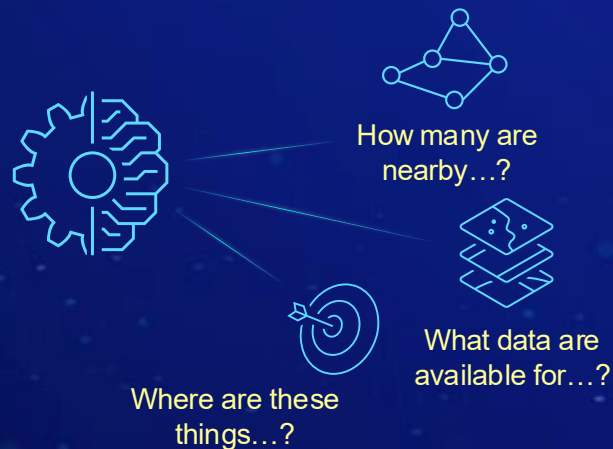


ArcGIS Hub assistant (beta)

Content discovery using community curated data & maps

- Ask natural language questions
- Scoped to Hub catalog – curated content
- Multiple language support
- Admin configurable – access, tone, guard rails, and more

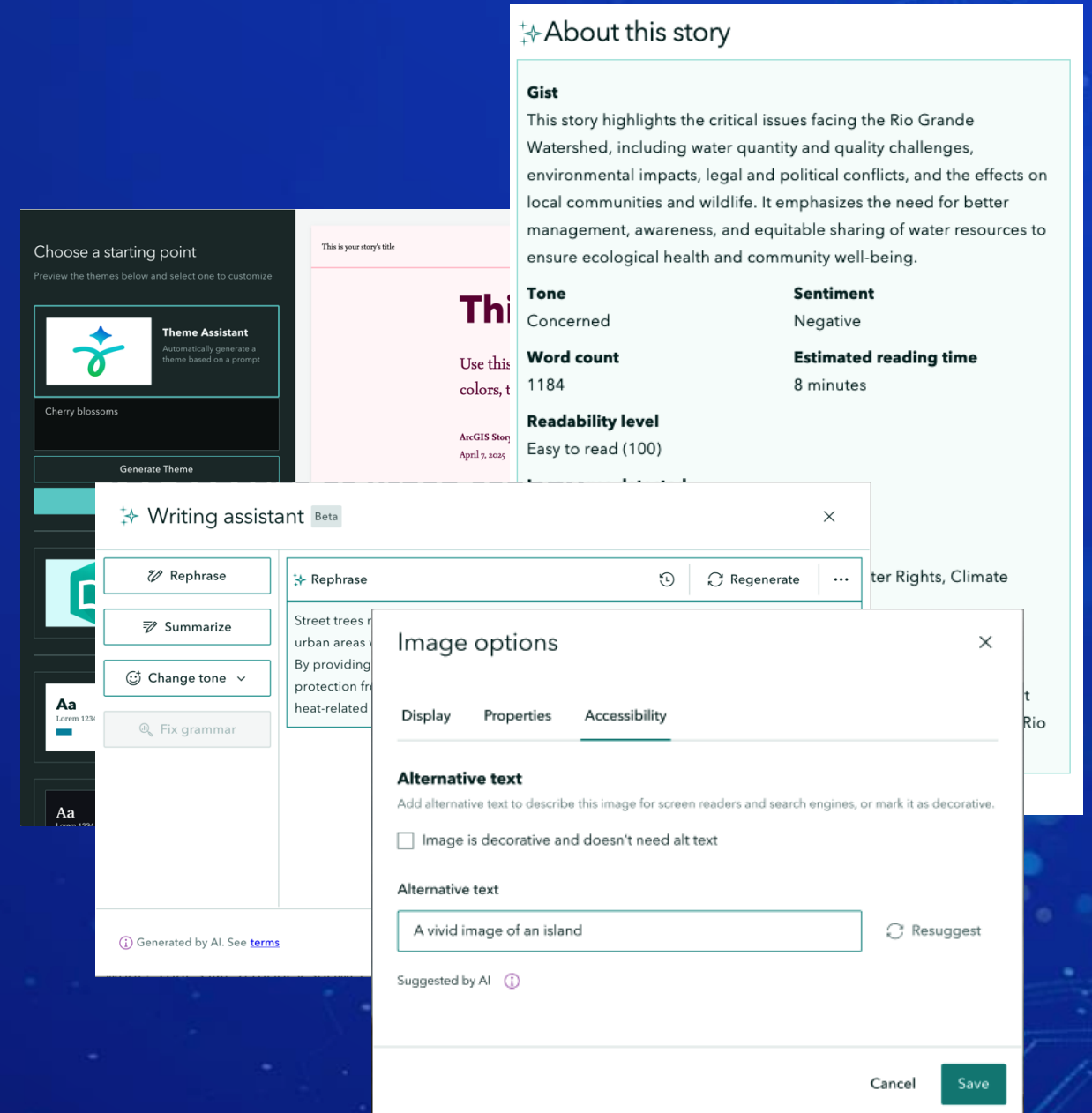
• Learn more



StoryMaps assistant (beta)

A companion for better storytelling

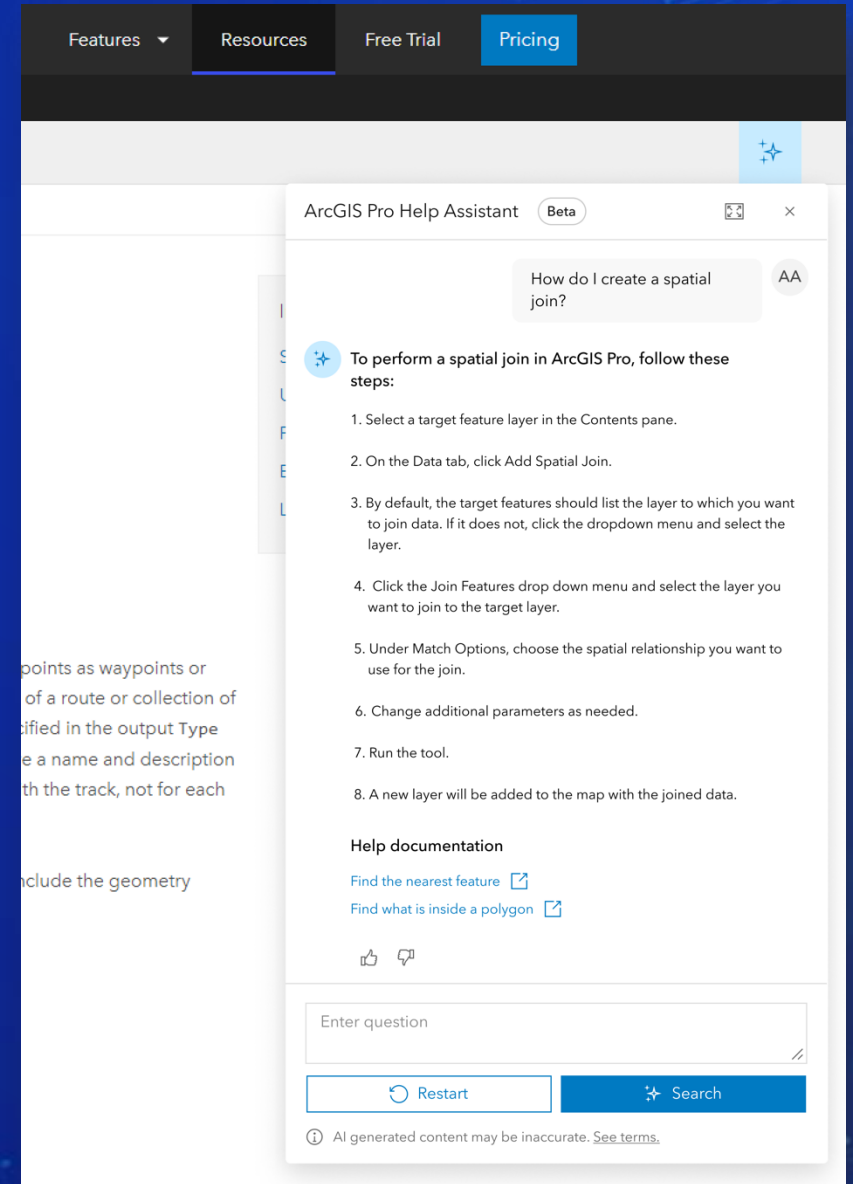
- Make your stories more accessible
 - Learn about your own story gist, tone and estimated reading time
 - Refine the style and tone of your writing
 - Ask the assistant to suggest a theme...
 - Preview planned for Q1 2026
- [Learn more](#)



Documentation assistant (beta)

A conversational experience for the ArcGIS online help

- Available across all online help
 - Must login to online help with ArcGIS Online account
 - Organization must allow AI assistants
- Grounded on authoritative Esri information:
 - Product documentation
 - Tutorials
 - Blogs and other technical articles
- All ArcGIS languages supported, and more
- New!
 - Inline citations
 - Enhancements to performance and accuracy



Introduction to ArcGIS Online
▼ Get started with ArcGIS Online
Get started with ArcGIS Online
Get started as an organization member
Get started as an administrator

Get started with ArcGIS Online

With a subscription to [ArcGIS Online](#), organizations can manage all of their geographic content in a secure, cloud-based Esri environment. Members of the organization can use maps to explore data, create and share maps and apps, and publish their data as hosted web layers. ArcGIS Online administrators customize the website, invite and add members to the organization, and manage resources.

To get started, see the following:

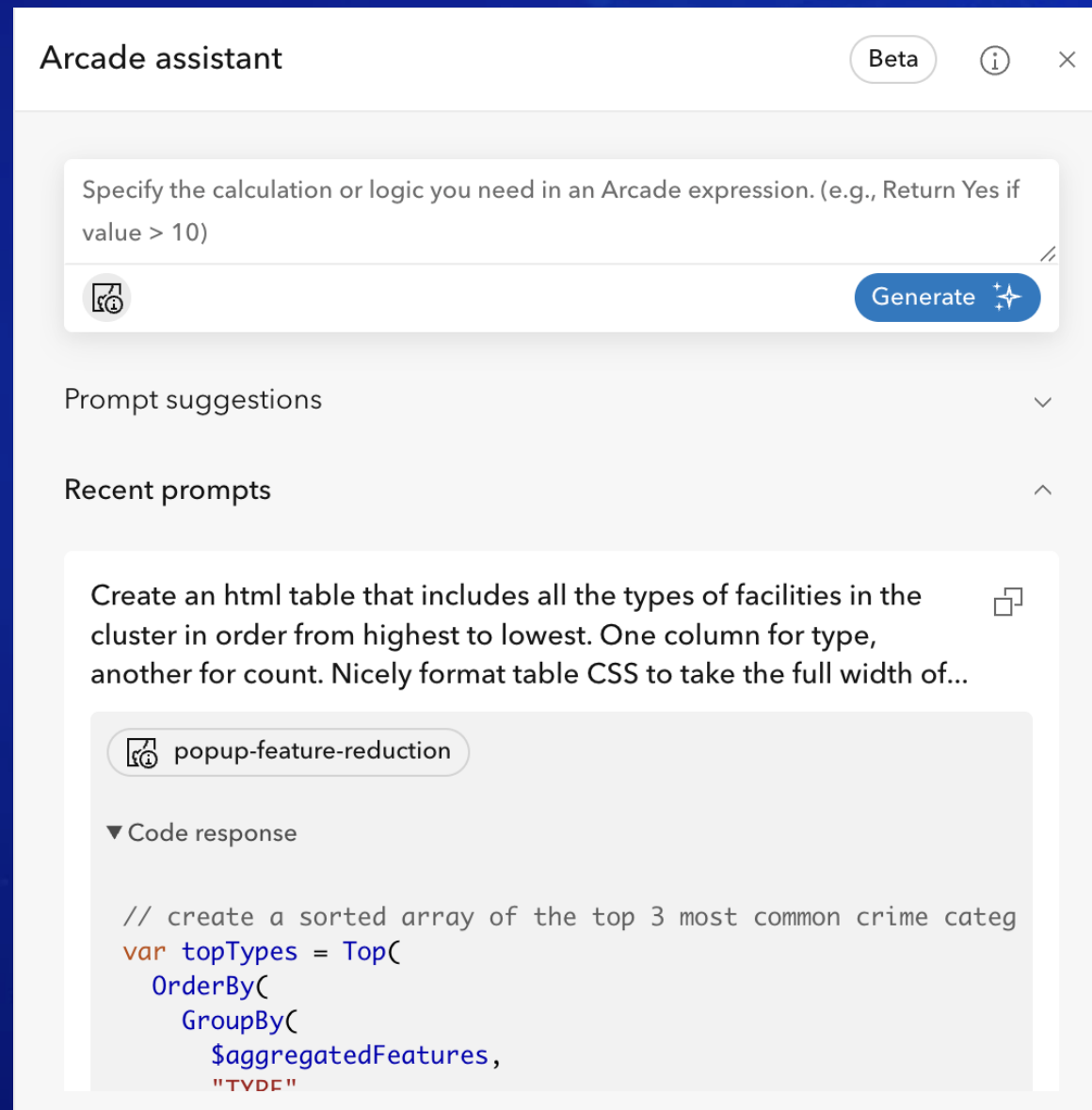
- [Get started as an organization member](#)
- [Get started as an administrator](#)



Arcade Assistant (beta)

Your helper to write Arcade expressions

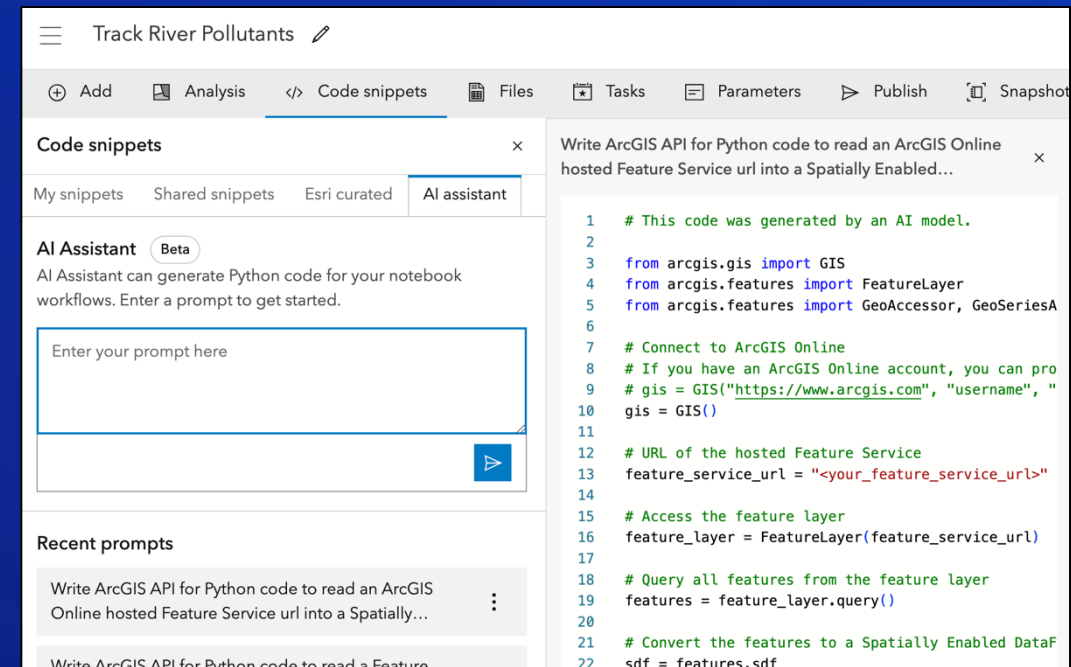
- Initially added to Map Viewer (June 2025)
 - [Announcement in ArcGIS Blog](#)
- Now also available in
 - Field Maps Designer and Experience Builder (new in R1 2026)
 - Scene Viewer
 - Field calculations in map viewer, home app and web editor
- Coming later in 2026:
 - Dashboards
 - ArcGIS Pro



ArcGIS Notebook assistant (beta)

For task automation, data engineering and analysis

- Generates, fixes and explains Python code
- Available in:
 - Standard (for admin tasks and light data engineering)
 - Advanced (for advanced analytics, and large data engineering)
- Optimized for latest version of the Python API
- New beta release with ArcGIS Online R1.2026

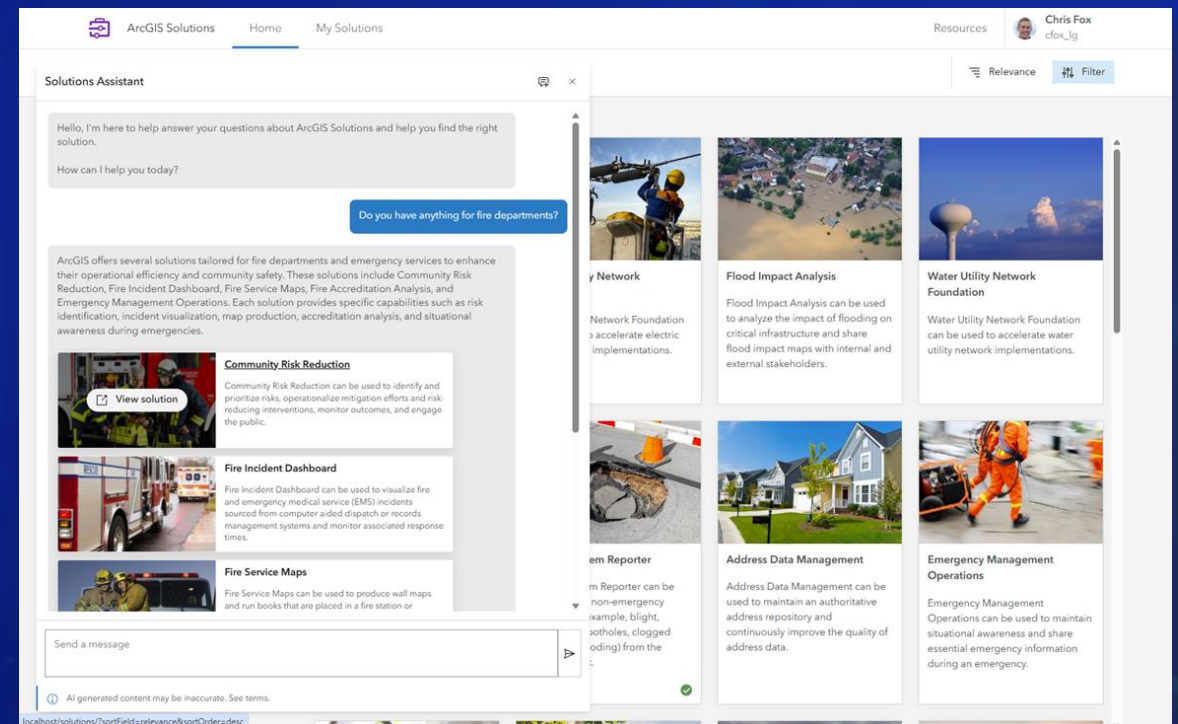


Python assistant in Notebooks

ArcGIS Solutions assistant (beta ArcGIS Online 2026.R1)

Accelerating adoption of ArcGIS Solutions in organizations

- Discover and learn about existing Solutions
- Create your own Solution:
 - To meet the needs of your organization
 - Refine data models, maps and apps!
 - Through natural language



Relevance

Industries

Architecture, Engineering, and Construction (AEC)

Airports, Ports, and Rails

Business

Conservation

✓ Defense

Facilities

Health and Human Services

Pipeline

> Public Safety

Renewables

> State and Local Government

Telecommunications

> Utilities

Solutions: 147



Citizen Problem Reporter

Citizen Problem Reporter can be used to solicit non-emergency requests (for example, blight, graffiti, trash, potholes, clogged drains, and flooding) from the general public.



Election Results

Election Results can be used to share results tabulated on election night and historical results shared after each election.



Address Data Management

Address Data Management can be used to maintain an authoritative address repository and continuously improve the quality of address data.



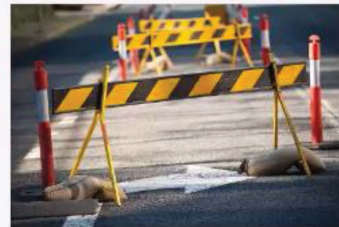
Winter Weather Operations

Winter Weather Operations can be used to monitor winter weather operations in real-time, measure key performance indicators, and share road status updates with the public.



Special Event Operations

Special Event Operations can be used to develop event operational maps for police and fire agencies and increase situational awareness during special events.



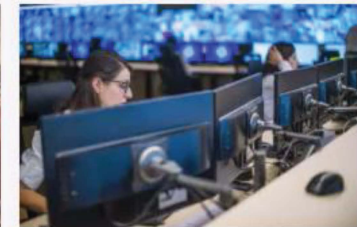
Road Closures

Road Closures can be used to maintain a comprehensive inventory of road closures and share authoritative closures with leading consumer mapping applications.



Election Management

Election Management can be used to manage election day activities, monitor performance, and gauge voter sentiment.



Watch Center

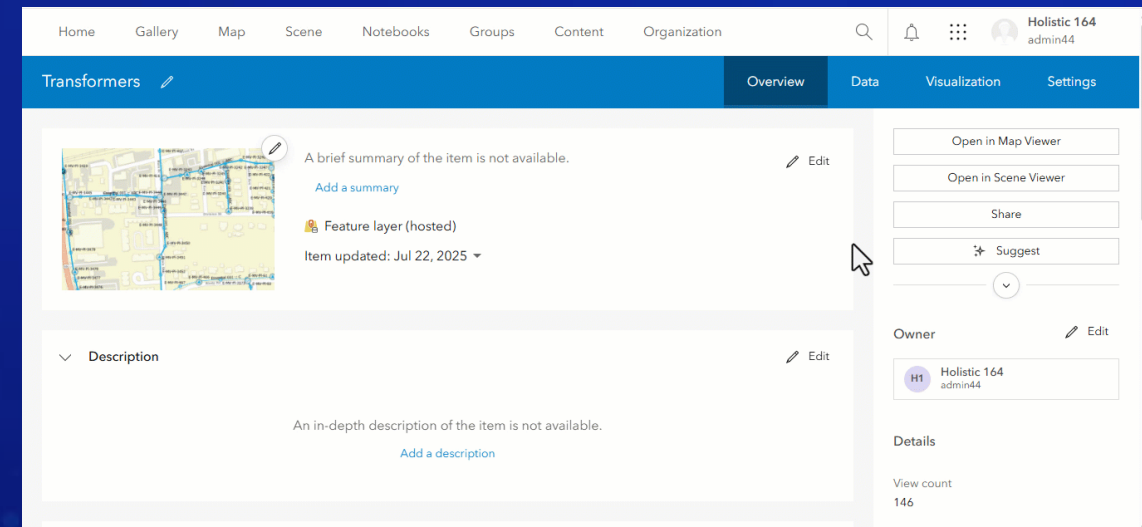
Watch Center can be used to streamline all-hazards event monitoring and quickly understand risks to an organization's locations of interest.



Item details assistant (Beta)

Document your ArcGIS items for discovery and effective use

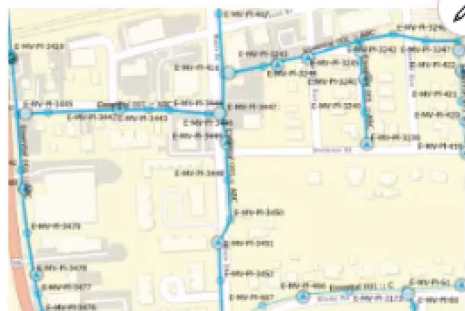
- Item metadata is key for discoverability and effective use by AI agents (and people!)
- Suggestions to help you document ArcGIS items
 - Hosted Feature Layers
 - Title, Summary, Description
 - Fields (Display name/alias, Description, Value Type)
- Schedule:
 - ArcGIS Online R3 2025 (Private Beta)
 - ArcGIS Enterprise 12.0 (Beta)
 - ArcGIS Online R1 2026 (Beta)
- Learn more



[Home](#)[Gallery](#)[Map](#)[Scene](#)[Notebooks](#)[Groups](#)[Content](#)[Organization](#)

Holistic 164
admin44

Transformers

[Overview](#)[Data](#)[Visualization](#)[Settings](#)

A brief summary of the item is not available.

p9 [Edit](#)

[Add a summary](#)

 Feature layer (hosted)

Item updated: Jul 22, 2025 ...

 [Description](#)

p9 [Edit](#)

An in-depth description of the item is not available.

[Add a description](#)

[Open in Map Viewer](#)

[Open in Scene Viewer](#)

[Share](#)

 [Suggest](#)



Owner

p9 [Edit](#)

 H1

Holistic 164
admin44

[Details](#)

View count

146

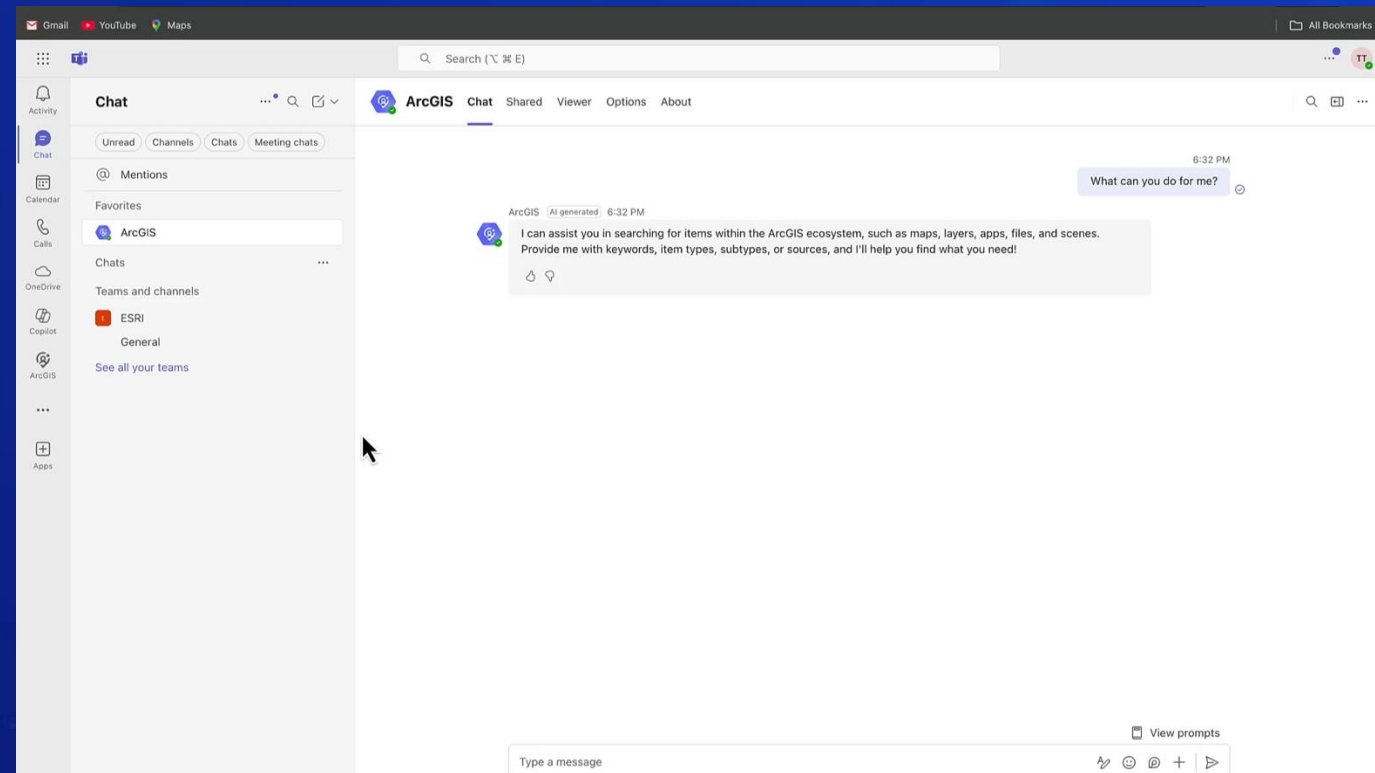
[Source](#)

ArcGIS for Teams Assistant (beta)

Natural language search and discovery in familiar application

- Conversational AI Search
 - Prompt Suggestions
- Intuitive & user-friendly search
 - Familiar user interface
- Follows the ArcGIS sharing model
 - Secure sharing and access

• [Learn more](#)



Survey123 AI analysis tools (beta)

Accelerate data collection with AI-powered calculations

- AI-powered form calculations
 - Extract information from images
 - “Get license plate from vehicle photo”
 - “Describe condition of asset as ‘Damaged’ or ‘OK’”
 - ...
 - Analyze text
 - “Summarize user’s comments in less than 20 words”
 - “Analyze sentiment of text as ‘Positive’ or ‘Negative’”
 - ...
 - Transcribe audio
- [Learn more](#)

Survey on Signage Purpose and Condition in Yorkshire, UK

Thank you for participating in our survey regarding the purpose and condition of signs in Yorkshire. Your insights are valuable in helping us improve signage across the region.

Please upload a photo or take a photo of the sign to help us understand its purpose and current condition

Drop image here or select from gallery

What is the main purpose of the sign?

What would you like to extract from the image?

Please describe what type of sign this is in the UK. Use official the code defined under the Traffic Signs Regulations and General Directions (TSRGD) 2016. if not a UK sign please return - Not recognised

ArcGIS assistants in Private Beta

ArcGIS assistants in private beta

Available for testing by-invitation-only

- Assistants in private beta :
 - By-invitation-only
 - Not functionally complete nor fully documented
 - No security baseline assurance. Transparency card not available
 - Tech support via Early Adopter Program
- Available now:
 - Item Details (ArcGIS Online)
 - Data Explorer Instant App (ArcGIS Online)
 - ArcGIS Pro

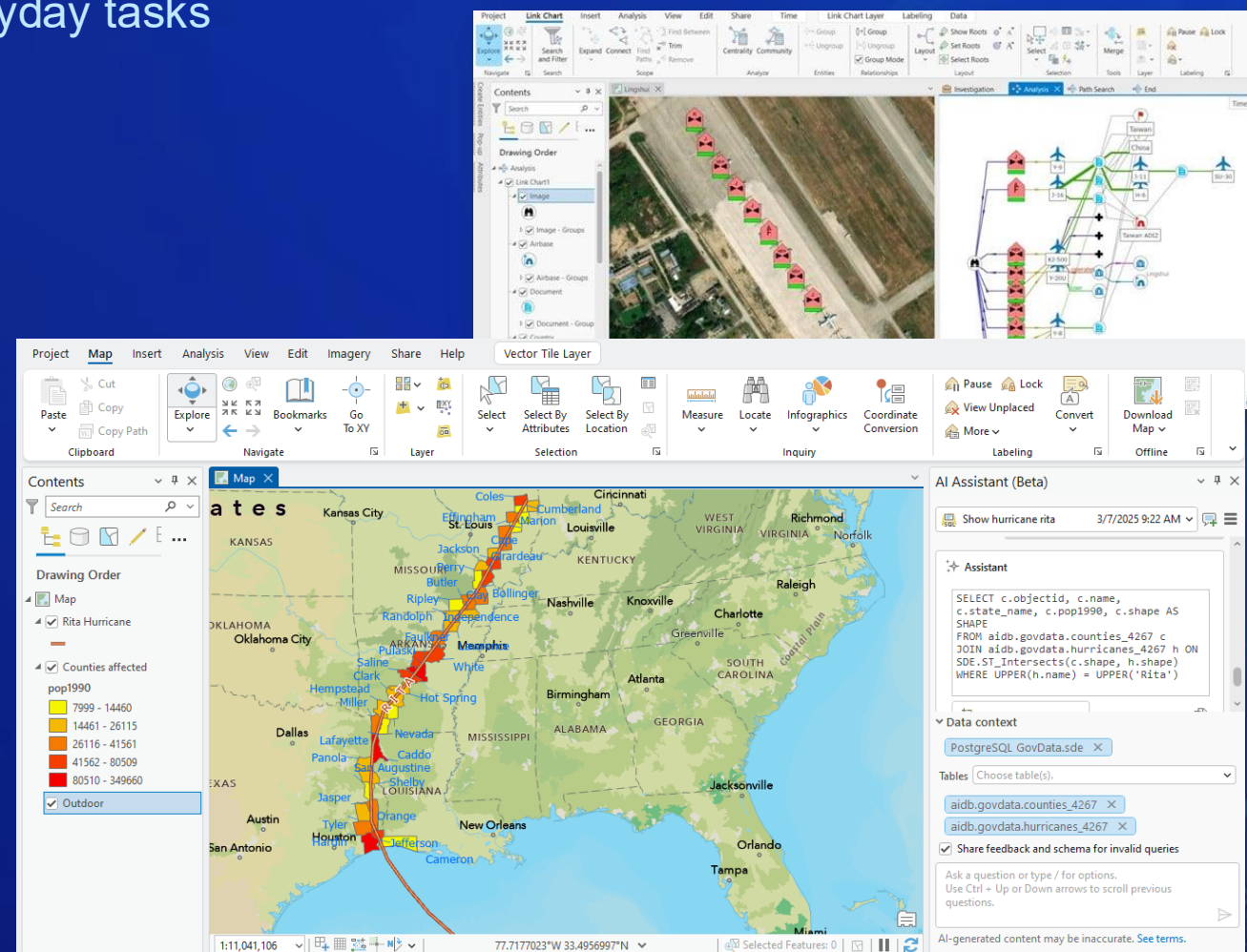




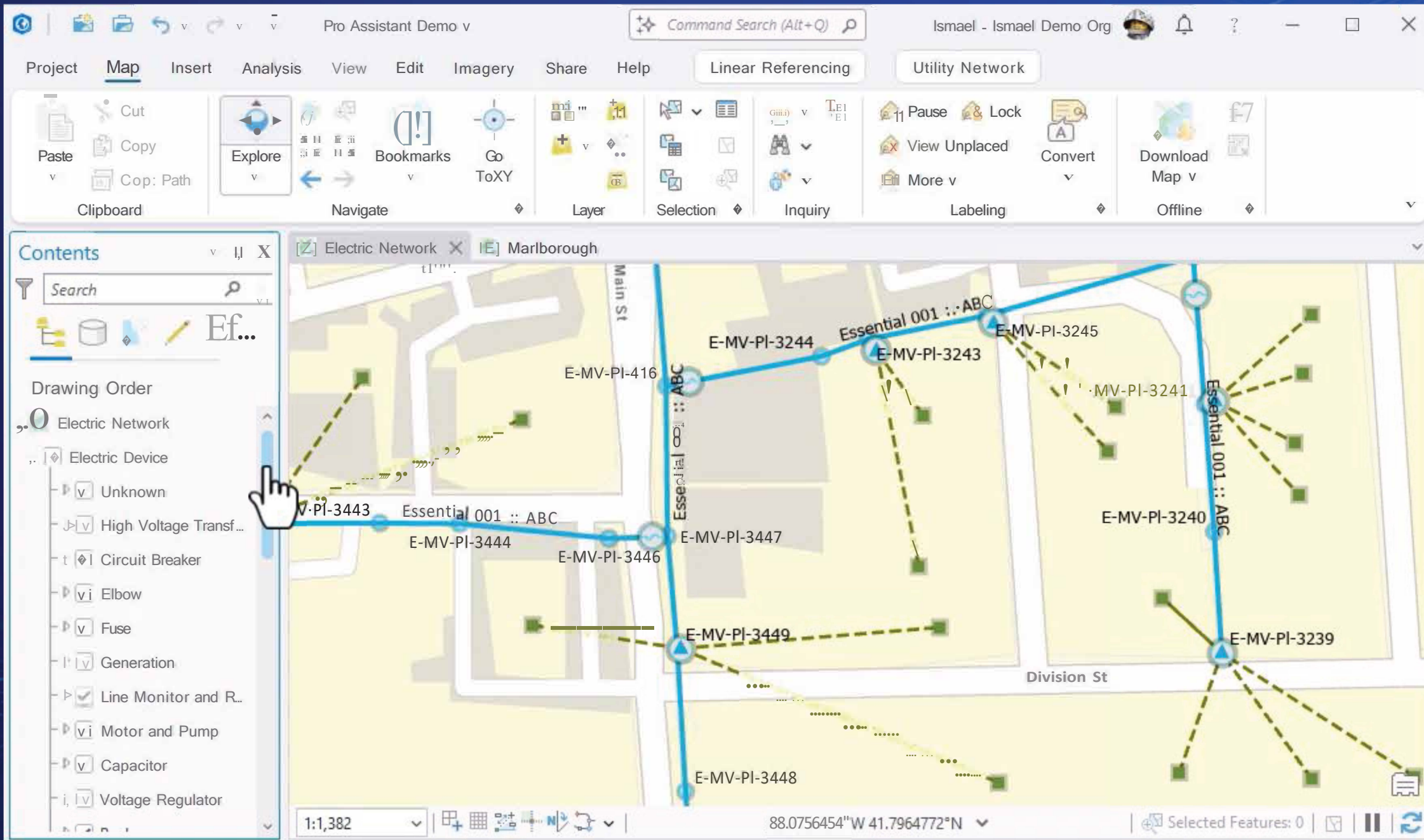
ArcGIS Pro assistant (private beta)

An in-app assistant to help you streamline everyday tasks

- Use natural language to:
 - Explore ArcGIS Pro documentation
 - Generate Query Layer SQL expressions
 - Generate Knowledge Graph Cypher queries
 - Trigger common actions in ArcGIS Pro
- New at 3.6*:
 - More actions
 - ArcPy code generation
 - Enterprise 12.0 support
- Complete this [form](#) to request access



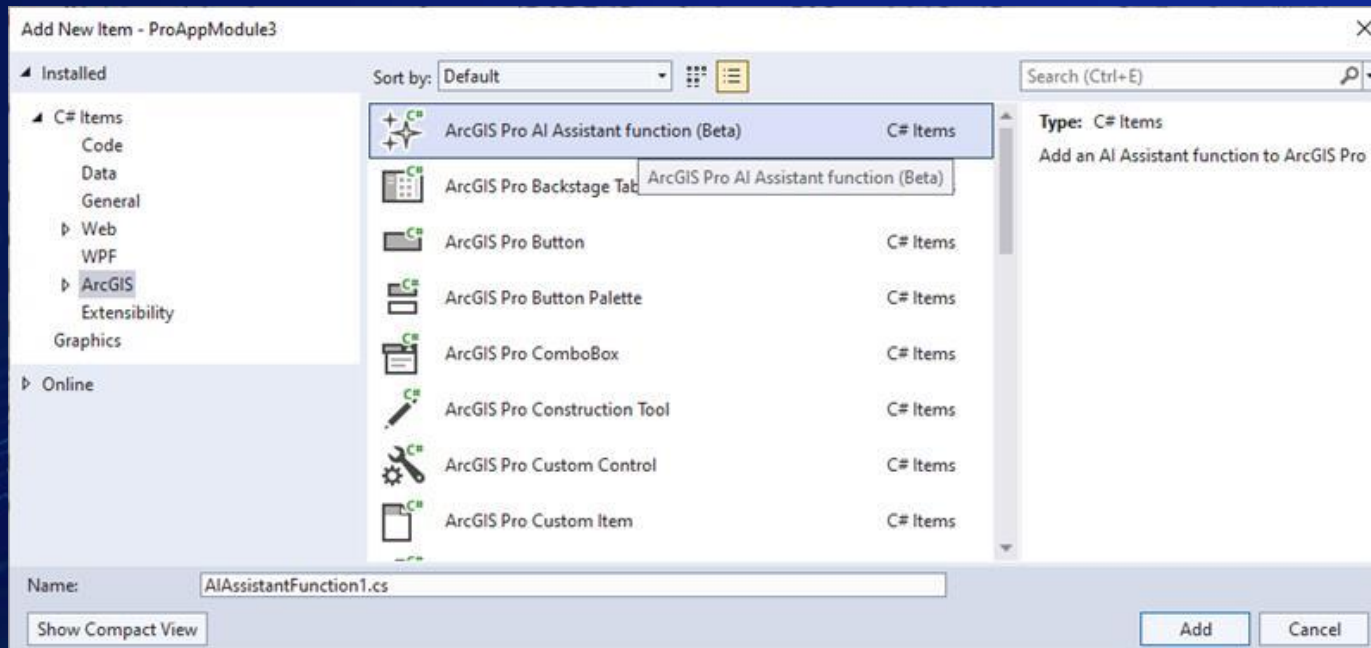
* ArcGIS Pro 3.6 assistant available December 1st 2025 for Early Adopters



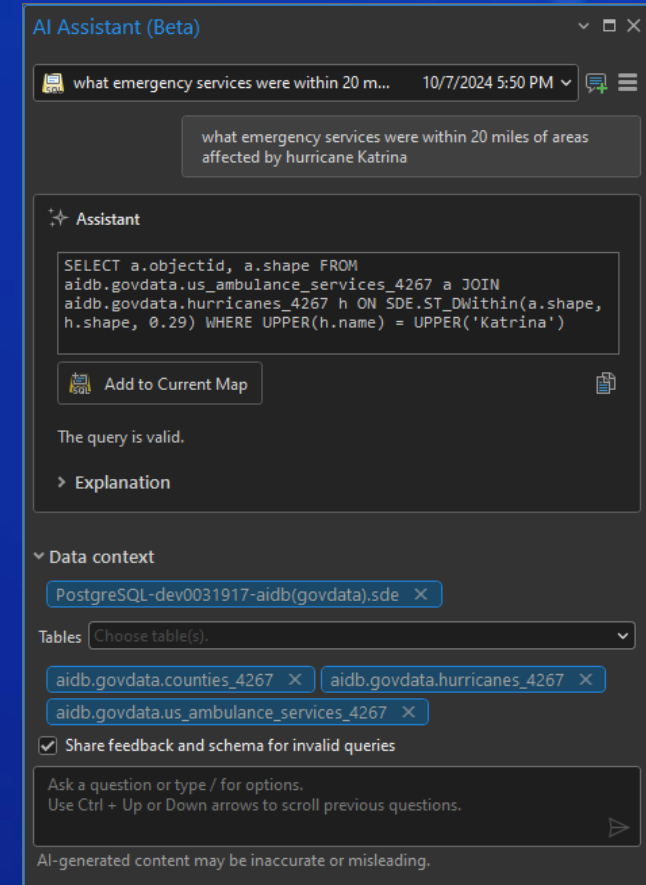
ArcGIS Pro Assistant Extensibility

Custom AI Function Template - 3.5 Beta

- Write (.NET) and register custom AI functions with the Pro AI assistant
- Registered skills are used by the AI assistant to execute user requests
- SDK Resources – Samples, Snippets, ProGuides



AI Function Template



ArcGIS Pro Assistant

ArcGIS Assistants (Online) | Release Plan *



* Tentative release plan. Subject to change.

Common questions

- **What is the monetization plan for AI assistants?**
 - Our intent with AI assistants is to modernize the user experience for ArcGIS products, helping our customers be more productive and streamline the use of GIS in organizations.
 - Pricing for AI assistants is still to be defined, but our inclination is to have assistants be made available with ArcGIS user types.
 - Higher user types will have more assistant capabilities than lower user types

Common questions

What is the plan to support ArcGIS Enterprise customers?

As of October 2025, the use of AI assistants is limited to ArcGIS Online.

However, Esri is actively working to integrate AI assistants into ArcGIS Enterprise.

- ArcGIS Enterprise 12.0 allows the configuration of the Item details assistant, through a connection to ArcGIS Online AI services
- Support for disconnected environments will be implemented progressively in the future

Common questions

What accounts have access to AI assistants?

Only ArcGIS foundational accounts. Student, personal and public accounts do not have access to AI assistants. [More info in this KB article.](#)

ArcGIS Assistants (Enterprise) | Release Plan

