

Defense and Intelligence Forum

October 29, 2020 | Virtual Experience



Thank you for attending the Esri's Defense and Intelligence Forum. Our Team at Esri is committed to providing you with the most up-to-date resources. Here are a few simple ways you can stay connected, subscribe to the Esri's Quarterly Defense and Intel [eBrief](#), connect with GIS professionals on [GeoNet](#), or follow us on [Twitter](#).

[ArcGIS Pro Intel](#)

ArcGIS Pro Intelligence is designed for intelligence professionals - to visualize, explore, and analyze disparate data to produce actionable intelligence. Explore data from multiple sources and perform advanced analytics such as spatial, temporal, statistical, predictive, and relational.

ArcGIS Pro Intelligence provides tools to directly connect to your data. Data can come from relational databases, web services, spreadsheets, or unstructured documents. Visualize your data in 2D or 3D maps, link charts, timelines, tables, and graphs. Ask complex questions of your data using a variety of analytical techniques to uncover patterns, trends, forecasts, correlations, and relationships.

Additional Resources

- [ArcGIS Blog](#)
- ArcGIS Pro Intelligence
- Part 1: [Time-enabling layers](#)
- Part 2: [Understanding Movement Data and Analysis](#)
- [Training Seminar](#)

[ArcGIS Earth](#)

ArcGIS Earth is an interactive 3D experience to plan, visualize, and evaluate events on the globe. ArcGIS Earth provides situational awareness on desktop and mobile devices for improved decision-making. Ingest data in different formats, including 3D models; Keyhole Markup Language (KML), Keyhole Markup language Zipped (KMZ) files; TXT; and open services from ArcGIS or with a URL, to explore areas of interest in 3D. Manipulate KML in its entirety to understand changing circumstances. ArcGIS Earth is a free and easy-to-use tool to quickly fuse, manipulate, and collaborate with 3D data.

Additional Resources

- [Blogs](#)
- [YouTube Playlist](#)
- Follow the [ArcGIS Apps Team](#) on Twitter

[GeoAI and Spatial Data Science](#)

GeoAI the intersection of Geospatial (Geo), Location Analytics, Machine Learning, and Artificial Intelligence (AI). GeoAI has a huge potential to solve hundreds of problems, that couldn't be efficiently solved using traditional analytical and GIS tools. National government agencies, specifically Defense and Intelligence users, are actively modernizing and automating their workflows to be more efficient and effective. The key driver to this national capability need is the explosion in the volume, velocity and veracity of new data sources and sets which need to be analyzed. The use of GeoAI, together with geographic location information and analysis from ArcGIS to mine big data helps government agencies develop effective use of GeoAI and AIM strategies to get required knowledge quickly and with fewer resources.

Additional Resources

- [Blogs](#)
- [Webinar Recording](#)
- [Events, Videos, Webinars, and Courses](#)

[Unstructured Data and Graph \(Locate XT\)](#)

ArcGIS LocateXT enables analysts to efficiently discover and extract geographic coordinates and custom locations from large volumes of unstructured data, including an array of messages, reports, briefings, and social media. Analyze data inside Microsoft Office documents (Word, Excel, PowerPoint), Adobe PDF, XML, HTML, and text files. Publish extractions to a map to share across the enterprise, including geodatabases, feature classes, and feature services. Implement custom automated workflows for faster, deeper analysis and better decision-making.

Additional Resources

- [Resource Guide](#)
- [Esri GeoNet Video](#)
- Follow the [ArcGIS Enterprise Team](#) on Twitter

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[ArcGIS Excalibur](#)

ArcGIS Excalibur provides an intuitive web-based experience that lets you search for, discover, annotate, and exploit imagery. You can integrate imagery and authoritative GIS data and view imagery from multiple perspectives to gain the maximum analytic value from your data. You can also streamline image exploitation tasks and provide transparency into your imagery projects, helping you quickly deliver useful insights to decision-makers.

Additional Resources

- [Blogs](#)
- [YouTube Playlist](#)

[ArcGIS Notebooks](#)

ArcGIS Notebooks provide a Jupyter notebook experience optimized for spatial analysis. Combine industry-leading spatial analysis algorithms with open-source Python libraries to build precise spatial data science models. Reduce time spent managing dependencies across data science ecosystems, and increase cross-team collaboration and transparency. Ideate, iterate, and share workflows in a secure environment—accessible anywhere you go. Convey results with beautiful, interactive maps and apps for data storytelling that drives insight and action.

Additional Resources

- [GeoNet Community for ArcGIS Notebooks](#)
- [ArcGIS Notebook Lessons](#)

[Motion Imagery Capabilities](#)

Full Motion Video (FMV) in the ArcGIS Image Analyst extension provides capabilities for playing and geospatial analysis of video data that is FMV-compliant. FMV-compliant refers to the combination of a video stream and associated metadata into one video file, which makes the video geospatially aware. The sensor systems collect camera pointing information, platform position and attitude, and other data, and encode it into the video stream so that each video frame is associated with geospatial information.

Additional Resources

- [Product information](#)

[Military Symbology](#)

ArcGIS supports US (MIL-STD-2525) and NATO (APP-6) standard military symbology. Use out-of-the-box symbol sets included in ArcGIS which are compliant to the military specifications, or customize them to suit particular needs. In ArcGIS Pro, quickly discover military symbols using the Military Symbol Editor and sketch them on a map when creating military plans and intelligence products. Publish maps including military symbology so they can be used in web applications or in mobile apps, including in disconnected environments. Custom web and native applications can also be developed including military symbology using the JavaScript API and Runtime SDKs.

Additional Resources

- [YouTube Playlist](#)
- [Symbol Editor](#)
- [Symbology Style](#)
- [More information and examples](#)

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[ArcGIS Maps SDKs](#)

ArcGIS Maps SDKs integrate with the two market leading game engines, Unity and Unreal Engine, to provide direct access to ArcGIS data and analytics. ArcGIS Maps SDK for Unity and ArcGIS Maps SDK for Unreal Engine enable game engine developers to create interactive, immersive, photo-realistic 3D and XR experiences with real world data.

Additional Resources

- [Blogs](#)
- [YouTube Playlist](#)

[MicroServices/Kubernetes](#)

ArcGIS Enterprise on Kubernetes, scheduled to be released next year, is a cloud-native deployment option for ArcGIS Enterprise based on the principles of microservices and containerization.

Additional Resources

- [Blogs](#)
- [YouTube Playlist](#)
- Esri UC [Q&A-Kubernetes](#)
- Follow the [ArcGIS Enterprise Team](#) on Twitter

[Enterprise Integration/Scalability](#)

Learn about best practices for architecting your ArcGIS Enterprise deployment.

Additional Resources

- [YouTube Playlist](#)
 1. [ArcGIS Enterprise: Architecting Your Deployment](#)
 2. [ArcGIS Enterprise: Tuning and Scaling](#)
 3. [ArcGIS Enterprise playlist](#)
- Follow the [ArcGIS Enterprise Team](#) on Twitter

[DevSecOps](#)

Leverage automation solutions to streamline your administrative workflows in ArcGIS Enterprise.

Additional Resources

- [YouTube Playlist](#)
 1. [Automate ArcGIS Enterprise deployments with Chef](#)
 2. [Quick Start ArcGIS Enterprise with Automation](#)
 3. [ArcGIS Enterprise playlist](#)
- Follow the [ArcGIS Enterprise Team](#) on Twitter

[nFrames](#)

ArcGIS platform now includes nFrames SURE software and enables your teams to seamlessly capture, process, produce, and analyze high-quality 2D and 3D information. SURE transforms imagery and lidar data into true orthophotos, point clouds, and photo-textured 3D meshes to update your large-to-medium-scale, authoritative basemaps and products. ArcGIS empowers users to access this national mapping content securely from their desktop, web, and mobile applications.

Additional Resources

- [Webinars](#)
- [Announcement](#)

[Partner Resources](#)

[Spire's listings in the ArcGIS marketplace](#)

[Hawkeye 360](#)

- [YouTube Video- A New Layer of RF Knowledge](#)