

Esri Technology: Closing

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*Pacific Islands GIS and Remote Sensing User
Conference 2023*



EAGLE
TECHNOLOGY



esri Official
Distributor

GIS in Flooding



Demo

Flooding Response & Recovery



Project Map Insert **Analysis** View Edit Imagery Share Help

History ModelBuilder Python Environments Ready To Use Tools Tools

Geoprocessing

Pairwise Buffer Summarize Within Spatial Join Pairwise Clip

Tools

Feature Analysis Raster Analysis

Portal

Data Engineering Suitability Modeler Visibility Analysis Exploratory 3D Analysis Network Analysis Neighborhood Explorer

Workflows

Geostatistical Wizard Business Analysis Data Interop

Raster Functions Function Editor

Raster

Contents

Search

Drawing Order

- FloodRisk_str
- Reclass_distWaterways
- Reclass_distStreams
- Reclass_prc
- Reclass_Slope
- Reclass_Elevation
- DistancetoWaterways
- DistancetoStreams
- Streams
- FlowAccumulation
- FlowDirection
- Fill_DEM
- HillshadeVitiLevu
- Precipitation(mm) FebVitiLevu
- SlopeFiji
- ElevationFijiVitiLevu
- PrecipitationFeb
- ElevationRasterW
- Fiji - Main island/Catchments
- Fiji Catchments
- Fiji OSM Data

Standalone Tables

data.csv



Geoprocessing

Find Tools

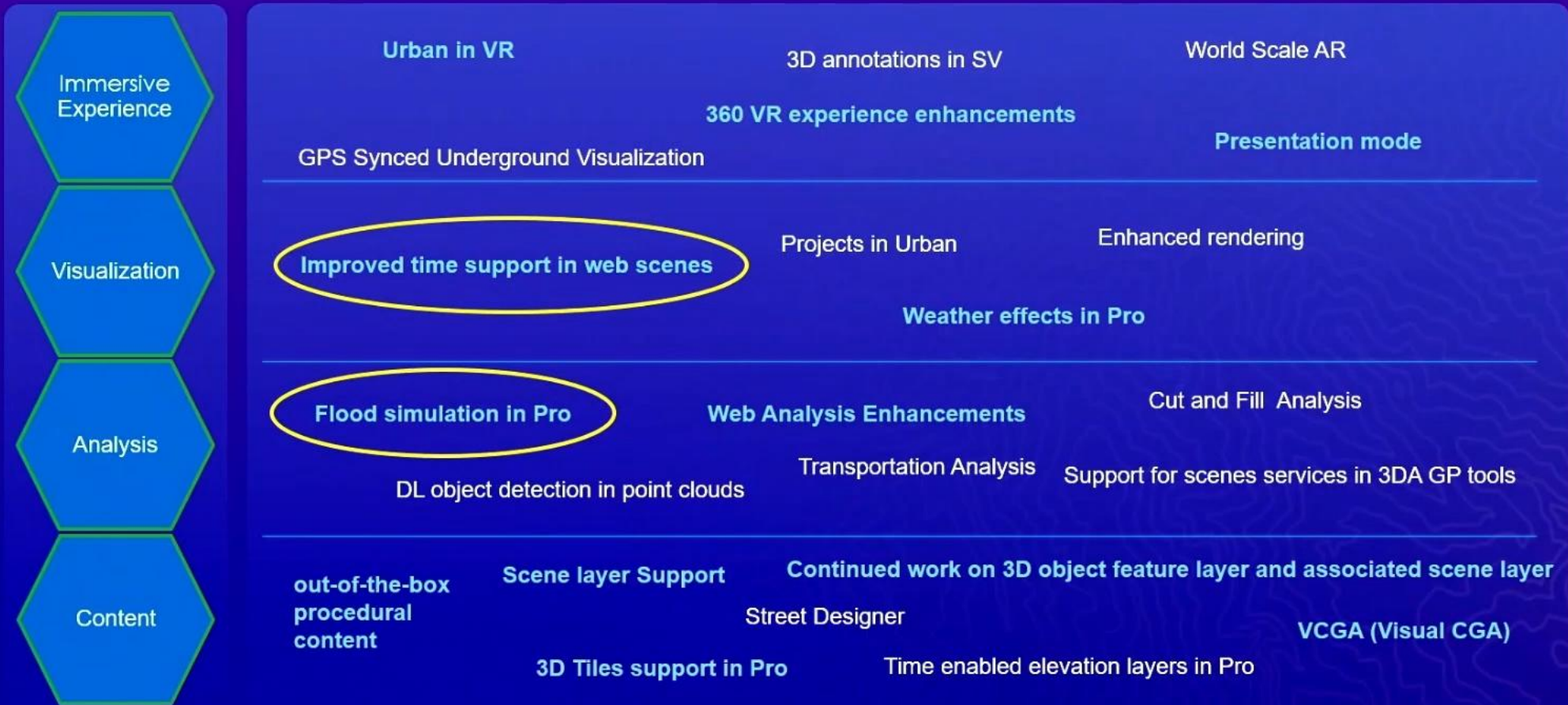
Favorites Toolboxes Portal

- Public Transit Tools
- Reality Mapping Tools
- Server Tools
- Space Time Pattern Mining Tools
- Spatial Analyst Tools**
 - Conditional
 - Density
 - Distance
 - Extraction
 - Generalization
 - Groundwater
 - Hydrology
 - Interpolation
 - Local
 - Map Algebra
 - Math
 - Multidimensional Analysis
 - Multivariate
 - Neighborhood
 - Overlay
 - Raster Creation
 - Reclass
 - Segmentation and Classification
 - Solar Radiation
 - Surface
 - Zonal

What's *Coming*...Road Ahead



What's next to innovate 3D Capabilities in ArcGIS ?



ArcGIS® Pro Roadmap

Near-term

- Portal Projects for ArcGIS Pro
- Discard for Nonversioned Editing
- Schema Reporting
- Provenance in Knowledge Graphs
- Flood Simulation Modeling
- OAuth 2.0 for External Services
- 64-Bit Object ID
- New Field Types
- Thematic Map Series
- Oriented Imagery
- OGC API Tiles
- 3D Tiles support
- Presentations
- Point Cloud Object Detection
- Multi-Modal AI Models
- Import Ground from Civil 3D and IFC

Mid-term

- Timeline View
- Knowledge Graph SDK
- Point Cloud Scene Layer Data Management
- Roof Editing in Stereo
- Layer & Feature Effects
- Materials Authoring
- Oriented Imagery – Inspection Workflow and AI Integration
- Mesh Segmentation Models
- AutoML: Fairness Metrics and Bias Mitigation
- Causal Inference

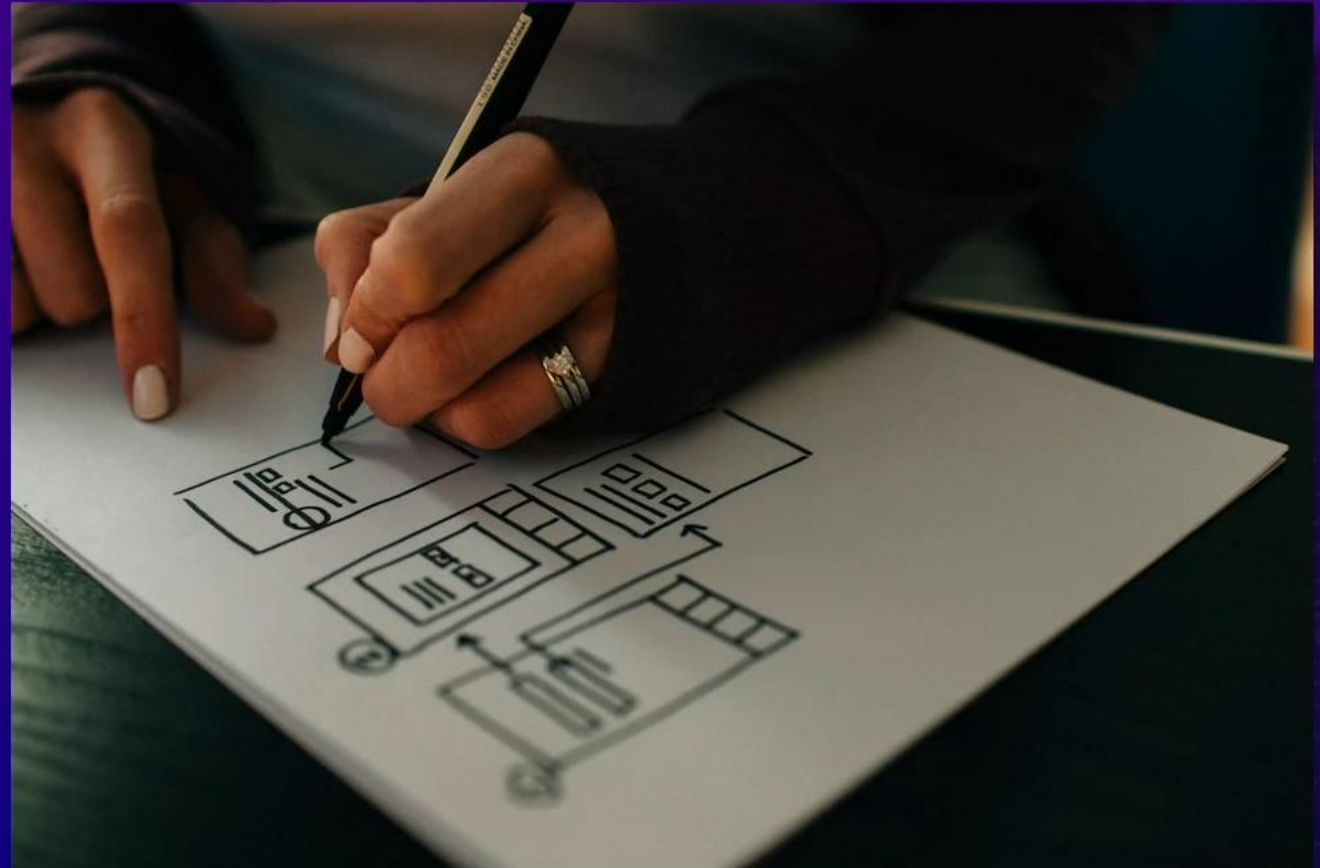
Long-term

- Share ModelBuilder Item to Portal
- Terrain Editing
- High Fidelity Rendering
- 3D Mesh as Ground
- Integrated Mesh Scene Layer Data Management
- Cloud Drive Support
- Oriented Imagery – Live Video Superposition
- Reading Alignments from IFC

ArcGIS Online Road Ahead agenda

What We're Working On

- Map Viewer
- Web Editing
- User Experience Consistency Across Web Apps
- Content
- Security
- Restricted Status
- Item Relationships
- Data Pipelines
- Item & User Management
- Dashboards
- Instant Apps
- Experience Builder
- Q&A



Map Viewer Roadmap

Near term

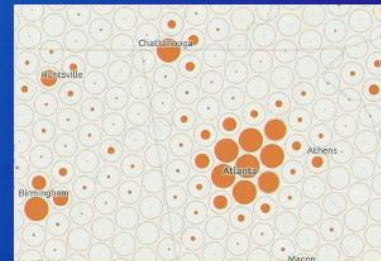
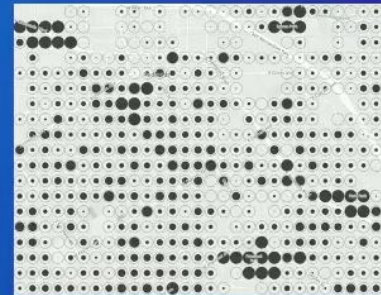
- Saving layers to the portal
 - Media layer, Sketch layer, Imagery and Tiled Imagery layer, Map Image Layer
- Popups on Vector Tile layer created from Feature Layer
- Time
 - Web Map timezone
 - Date only field types
 - Time only field types
 - Unknown timezone support
- Continued Accessibility improvements
- Config style on STGL

Near term

- New Layer types
 - Oriented Imagery
 - Video Layer
 - Knowledge Graph Link Charts
- Continued evolution of Tiled Imagery Layer with client side raster capabilities
- New Group Layer item
- LRS –M support in Popups
- Binning support for line and polygon layer types
- Continued improvement to UX & Onboarding

Near term

- New Smart Mapping style: Proportional Grid / Wurman Dots / reference point style



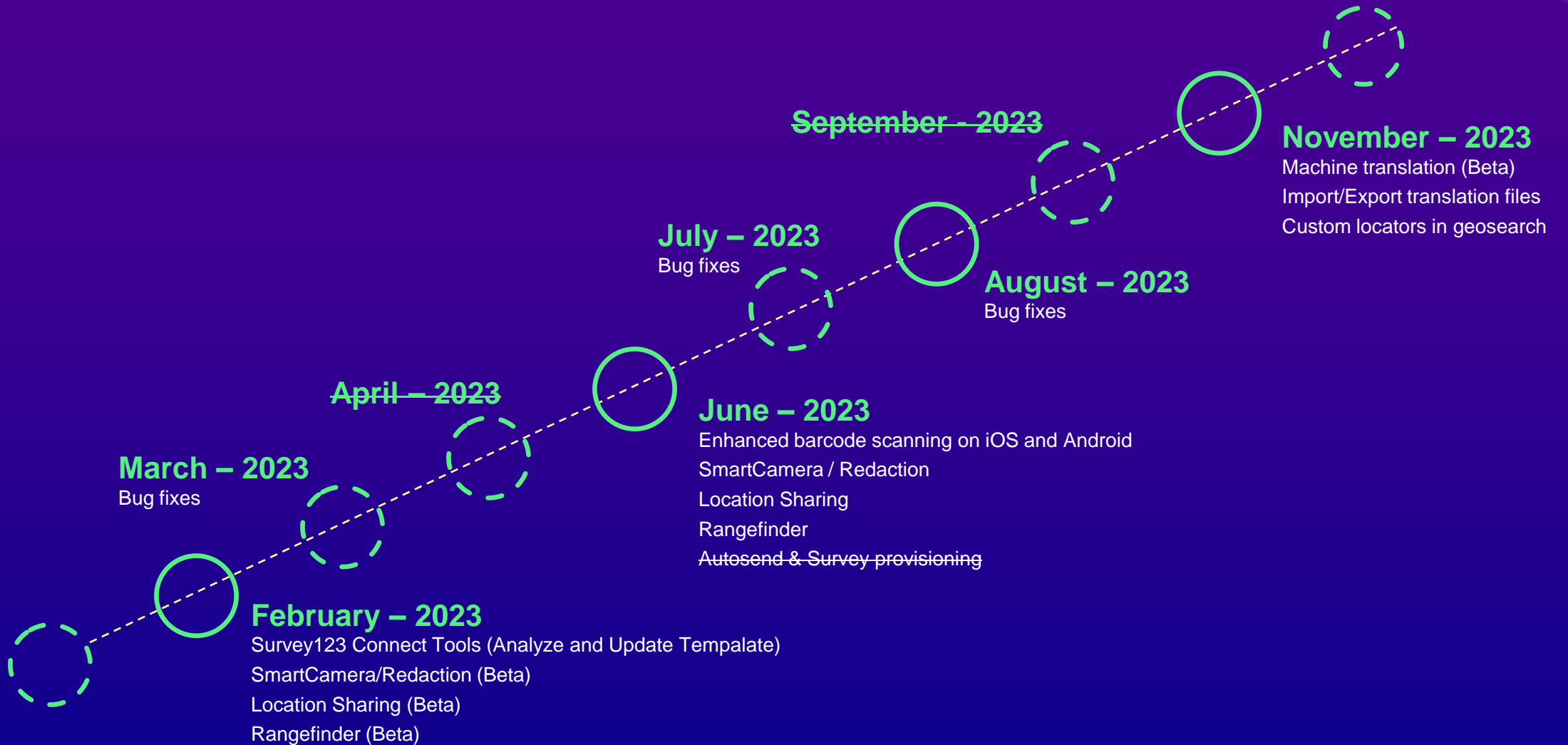
- Table Enhancements
 - Add/Remove field, field calc, delete rows, related records

Longer term

- Tracking animation on stream layers – working with Runtime, Pro teams
- Better time series animations
- New Catalog Layer item
- Map Templates
- Server side binning
- Sketch with curves
- Animated symbols



ArcGIS Survey123 in 2023 (Mobile App & Connect)



What's Next for ArcGIS

Continuous Improvements

Incremental Releases



Predictive Analysis Web ModelBuilder
GeoAI Text Analytics Smart Mapping
Spatiotemporal Indoors Enterprise Integration
Accessibility Customer Experience
Spatial Analysis Market Planning, Site Selection and Optimization **UX/UI**
Kubernetes **Online Analysis** Multilingual Apps
Briefing Books **Advanced Automation** **Imagery**
Time Knowledge Graphs Developer Experience
BIM **Cloud Native** Unstructured Data IoT
Voice-Assisted Capture
Mobile Terrain Editing **Security**
Augmented Reality **SaaS** Drones
Reality Mapping Situational Awareness
Browser-Based Processing **Collaboration**
Digital Twin 3D Game Engines
Metadata & Search Simulation Modeling
AI Assistance **Web Editing** **Big Data**
IT Readiness

... Continued Focus on Quality and Performance

PROFESSIONAL DEVELOPMENT

550K+ Users
Trained Last Year



COMPREHENSIVE SKILLS TRAINING

Certifications

Progressive Learning Programs

Instructor-Led
Courses

Industry Technology
Workflows **Learn ArcGIS**
Web Courses

MOOCs

Learning
Plans

100s of Free
Courses & Lessons



Helping Users Stay Current and Grow Their Careers

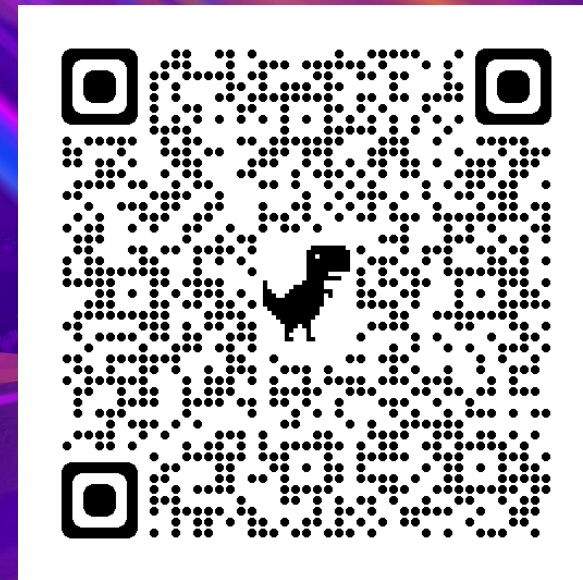


Resources

- **Esri Community:** <https://community.esri.com/>
- **Esri Blogs:** <https://www.esri.com/about/newsroom/esri-blog/overview/>
- **Esri Documentation:** <https://doc.arcgis.com/en/>
- **Esri Training Academy:** <https://www.esri.com/training/>

Climate Action MOOC

You can still join!





esri

SERVING OUR USERS

*... Working Together
to Make a Difference*

Advancing GIS & The Science of Where

Engineering and Science Focused

Strong and Growing

*Promoting Geographic Thinking
... at a Global Scale*

Thank you!

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