GXP Xplorer® Platform v2.4.9 release details

Presented by GXP® Product Development

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Infrastructure

- Upgrades are supported from GXP Xplorer® v2.4.2+.

- Federation is supported from GXP Xplorer v2.4.2+.

- DRS version is 5.6.05.R1.
  - Contains MSP v1.7.

- GeoServer has been updated to v2.20.2.

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GXP Xplorer v2.4.9 updates

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Performance Increases

- Cataloging of STANAG 4676B files has been significantly sped up
  - This has been re-enabled by default
  - Testing has shown cataloging times drop from 50 minutes to 80 seconds for some cases

- Performance of the catalog in dealing with deleted files from a monitored directory has been significantly increased
  - Efficiency has been improved as well as the cleanup of associated files will happen asynchronously in a background thread

- Browse generation (RSET, Overview, and Thumbnail) on folders with a large number of files is now more performant and resilient when running a large number of parallel jobs

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New Job Queue

- A new set of back end services has been developed to handle running jobs (listed below)
  - Will allow users to reprioritize, cancel, and queue multiple jobs across the application
  - Jobs will run in this framework transparent to the user in this version
  - Currently not hooked up to a user interface (is accessible in the API through /JobQueue)
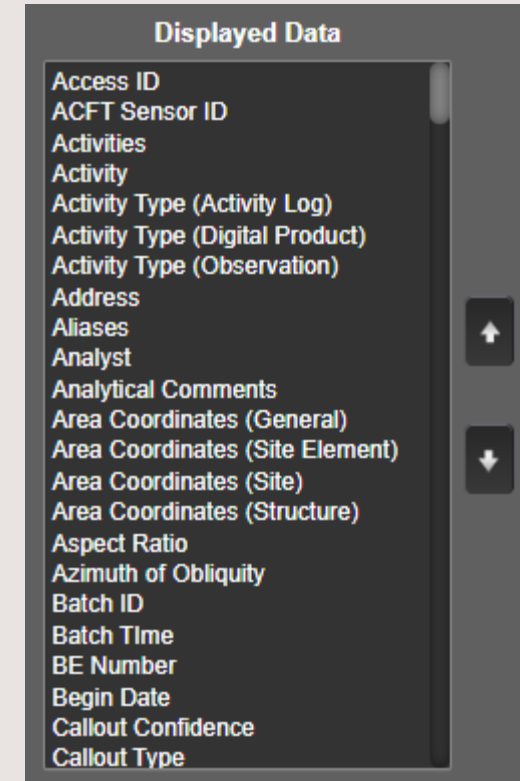   - Will be coming in GXP Xplorer v2.5.x

- ATG (ASM) (/terrain-generation/execute/asm)
- ATG (NGATE) (/terrain-generation/execute/ngate)
- Chip (/conversion/execute/pixchip)
- Chip to PowerPoint (/orchestration/chip-to-powerpoint)
- Convert then publish (/orchestration/convert-then-publish)
- Create video clip (/orchestration/create-video-clip)
- Create video chip (/orchestration/create-video-chip)
- Create video chip (/orchestration/create-video-chip-ppt)
- Ftp (/orchestration/format-image-ftp)
- Reformat (/conversion/execute/reformat)

- Video Reformat (/conversion/execute/videoReformat)
- Movint approve change (/tass/approveChangeSet)
- Movint publish kmz (/tass/publishKmz)
- Movint publish shapefile (/tass/publish/Shape)
- Rset (/conversion/execute/rset)
- WFS URIs (/publishing/publish/wfs)
- Stage (/staging/stage)
- Order (/ordering/order)
- Orthomosaic (ortho/execute/orthomosaic)

- Stereo Pair Finder (/orchestration/find-stereo-pairs)
- Subset (/conversion/execute/geosubset)
- Tass Track Generation (/tass/generate/generateTracks)
- Tass VMTI Track Generation (/tass/generate/generateVMTITracks)
- Tass Publish KMZ (/tass/publishKmz)
- Tass Publish Shape (/tass/publishShape)

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Dynamic Creation of Admin Pages

- Third party integrators can now dynamically add in configuration pages to our Administrator Settings without modifying existing Javascript files
  - Users can drop in .template files which will dynamically create a new page in the proper area based on the category defined in the template file
    - For example: "category": "application_services" will place a new page in GXP Xplorer Application Settings under the header Application Services
    - Template files can be added into: *GXP Xplorer Platform Data/data/configuration/templates/gxp*
      - Integrators can use the templates in this directory as an example to create their own

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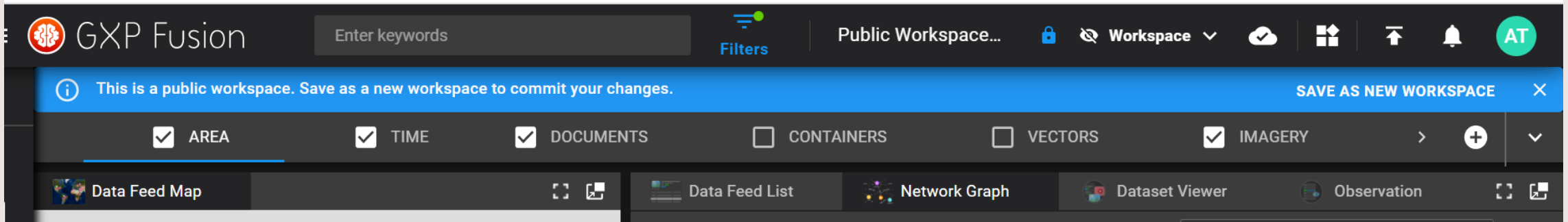
Other significant enhancements

- Multi-line and multi-point geometries can now be imported as reference data into GXP Xplorer

- When viewing available metadata fields in GXP Xplorer, if multiple data model classes have duplicate attribute names, the class will be listed to allow for better identification

- Improved error logging for Coalition Shared Database (CSD) connections

- Users can now generate ortho jobs from the cart if RSETS are generated from the product gallery for an image

- GXP Xplorer will now display a message indicating when the Stereo Pair Finder limit has been reached

- Automatic Terrain Generation can now use foreign characters in the output filename

- GXP Xplorer can now catalog additional terrain files with various unit formats including State Plane coordinate system and US Survey Feet

- Added cataloging support for GeoJSON files that use coordinate reference systems (CRS)

- Orthomosaic and Orthophoto jobs will now be successfully upgraded from previous versions

- Usernames with spaces in them are now supported when installing the GXP Xplorer Platform

- DRS logs and temp file locations have been moved to: *GXP_Xplorer_Platform_Data\data\drs\logs* and *GXP_Xplorer_Platform_Data\data\drs\temp*

Displayed Data

Access ID
ACFT Sensor ID
Activities
Activity
Activity Type (Activity Log)
Activity Type (Digital Product)
Activity Type (Observation)
Address
Aliases
Analyst
Analytical Comments
Area Coordinates (General)
Area Coordinates (Site Element)
Area Coordinates (Site)
Area Coordinates (Structure)
Aspect Ratio
Azimuth of Obliquity
Batch ID
Batch TIme
BE Number
Begin Date
Callout Confidence
Callout Type

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GXP Fusion v2.4.9 updates
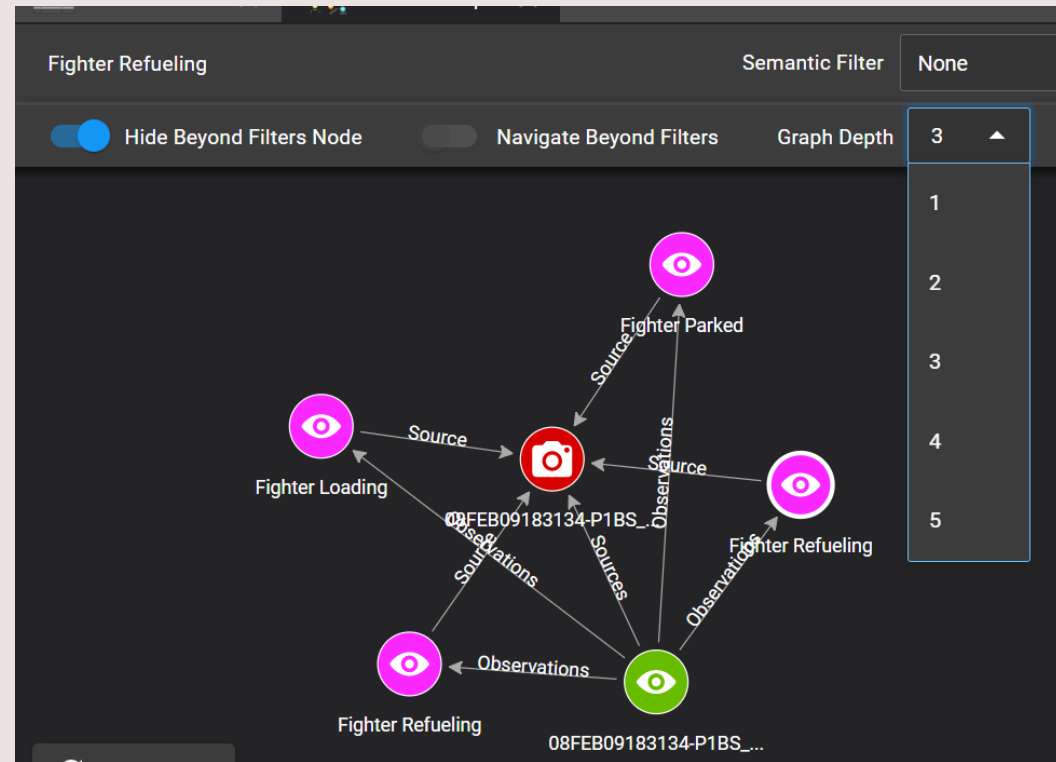
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GXP Fusion Workspace Enhancements

- Public workspaces:
  - Banner shown on all workspaces not owned by user
  - Offers for public workspaces to be saved as private

- Observations created in fusion now include X, Y, and Z values

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GXP Fusion Network Graph now uses a chart depth selection

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Thank you

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