

GXP® Workflow Management

Simplified management of tasks, including creation, analysis, quality control, and approval, across the GXP software ecosystem

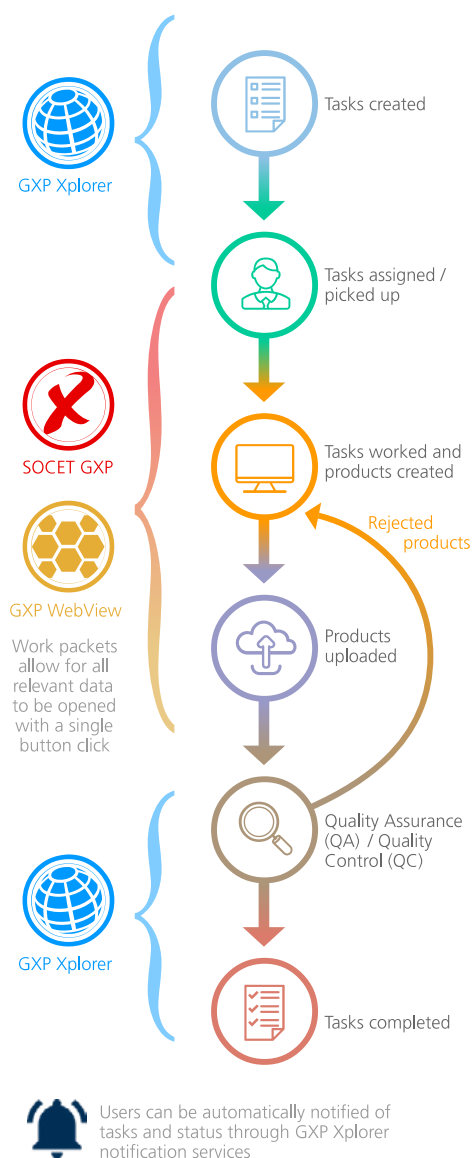
With GXP® Workflow Management, users can create a wide variety of Workflow Tasks including running algorithms against data discovered and cataloged by GXP Xplorer® software, routing data to analysts for exploitation or quality assurance, and creating Observations through advanced analytic techniques such as Natural Language Processing (NLP).

These Tasks can be routed to specific analysts based on key criteria such as geographic region or the various data analysis requirements. Operating across the GXP ecosystem, Workflows and Tasks are managed in GXP Xplorer software and can be exploited further in the SOCET GXP®, GXP WebView®, and GXP Fusion® solutions.

The Workflow Management capability can also be utilized to automatically process data as it is cataloged. As new data is discovered, GXP Xplorer will evaluate the data to determine if it meets pre-defined criteria and, if so, will automatically process it through a wide variety of analytic and processing algorithms. Analysts can then access machine learning object detection results, automatically extracted observations, and more without having to manually process each image or data set.

Note: GXP Xplorer, SOCET GXP, GXP WebView, and GXP Fusion, as described in this document, are all part of the GXP software ecosystem.

Image Interpretation Workflow





Automated image processing using Workflow Management

Default Workflows include the following:

Image Interpretation

Allows users to visualize and exploit imagery in SOCET GXP or GXP WebView and create derived geospatial products. These products are then passed through quality assurance reviews and either published to the GXP Xplorer catalog for distribution or passed back to the analyst for rework.

All Source Analysis

Allows users to create GXP Fusion workspaces with relevant data that can then be exploited using algorithms such as NLP for extracting observations from text documents.

Visual Profiler Artificial Intelligence (AI)

Automatically runs the Visual Profiler machine learning algorithm to identify objects of interest in an image. Analysts can then review the results and publish them as Observations in the GXP Xplorer catalog.

Key Workflow capabilities:

- » Customized triggers for automatic creation of Workflow Tasks.
- » Manual creation of Workflow Tasks for specific needs.
- » Notification service identifying Tasks ready to be worked or reviewed.
- » Workflows customized to your organization's needs can be added.
- » Administration page enabling management of all organization Workflow Tasks.

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