FACT SHEET

NetExport Server

Sharing your geofacilities data with external agencies

Intergraph delivers G/NetExport Server with an ActiveX control that provides a way to export G/Technology data into other standard formats such as MapInfo, MicroStation, AutoCAD, ArcView, and ArcInfo using G/NetViewer on the Web. Users can share G/Technology data with external agencies, companies, or contractors. Since this sharing is often done in a CAD format, users can view CAD data from other sources, as well as export the G/Technology data into other formats.

G/NetExport Server is completely programmable and provides a public Application Programming Interface (API), which developers can use to produce Web pages or applications tailored to their company's business needs. The interface product relies on the third-party application, FME Objects, from Safe Software. The Safe Software license for FME Objects is included in the purchase of G/NetExport Server.

Users may export the geofacilities data either by job or by an ad hoc area, as shown above.

Overview

The primary purpose of G/NetExport Server is to provide a Web-based application that meets user-determined requirements for viewing and exporting G/Technology data. Why a Web-based application?

- First, our general development direction is toward Web-based solutions.
- Second, it offloads the heavy processing to a server system that can be configured with sufficient processing resources to achieve the task.
- Finally, it provides customers the flexibility to control the processing of the export operation to meet their specific workflow requirements.

The client Web-enabled control allows the developer to specify either the extents of the area or a particular area feature instance to define the area boundaries of the data to be extracted. The processing will use the actual geometry, but it will not perform "clipping."

A set of named extractions can be defined to allow the administrator to include multiple formats for extraction. Within these named extractions, the administrator identifies the component views to extract; and additional filtering by any published attribute will reduce the set of data within the export. The named extraction also specifies the style and label information to use when formatting the geometry. Each style is then specified in a mapping of G/Technology characteristics to those inherent in the alternate formats.

Many customers create exports of each job for approval by outside agencies. Others may need only ad hoc areas at arbitrary times. The software architecture allows the flexibility for both types of operations through the Web programming environment. The Web page (or Visual Basic application) can be written to process all jobs with a certain status and to process them nightly. This can be performed on any machine that supports Internet Explorer version 5.0 or greater. Neither G/Designer nor G/Analyst is required.

Any format that can be exported can also be attached as a vector backdrop. This takes advantage of the most current translation technology from Safe Software through the FME objects.

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Extract Requirements

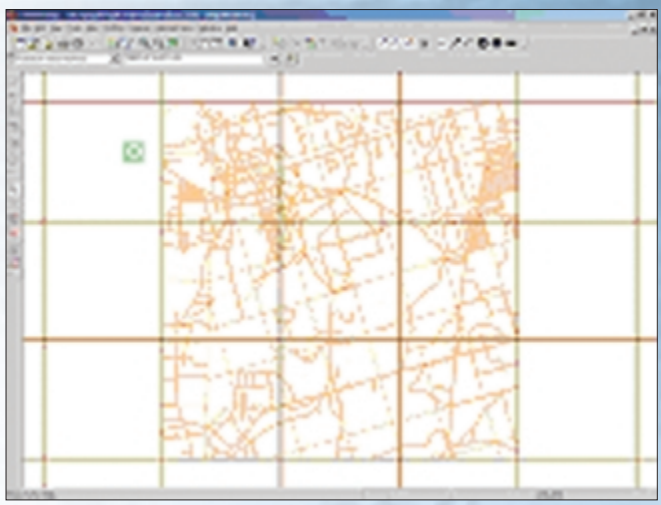
Users have identified the following solution requirements for extracting G/Technology data to the supported standard formats:

- Extract defined areas of data.
- Optionally include job data.
- Support a variety of formats.
- Let the user customize the workflow.
- Match the symbology in a controlled way.
- Let the user choose which part of the data model to extract.

View Requirements

To view the supported formats within G/Technology, users want the capability to:

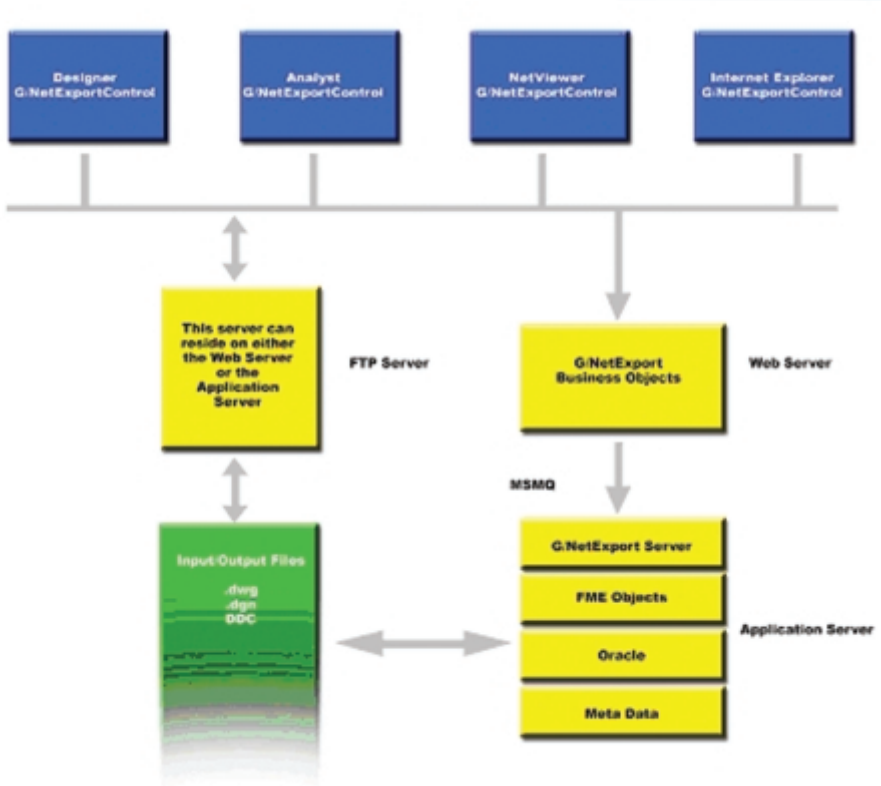
- Review drawings from developers and other third parties.
- Geo-reference these files.
- Support the latest version of files from various vendors.



G/NetExport also allows users to attach, on an ad hoc basis, MapInfo MicroStation, AutoCAD, ArcView, and ArcInfo drawings from developers or other third parties within G/Technology.

Workflow

The following diagram illustrates the G/NetExport Server workflow.



Technology

For more information or a demonstration, call 1-877-818-4171 in the United States.

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