



Enterprisewide data access – from the desktop to the field

Within Intergraph's G/Technology solutions, NetViewer makes the geofacilities data available to all relevant users within the organization via the Web, while MobileViewer moves subsets of geospatial data from the desktop to the field laptop. Both applications unleash valuable geospatial data that was once limited to mapping departments.

G/Technology solutions generate an integrated and fully automated feature model that allows companies to maintain maps and records in a full digital environment. Here, users not only design and maintain online changes to facilities; they also plot and store additions and changes in a central spatial repository.

NetViewer takes advantage of the information stored in this central database by providing read-only access to the data for users operating over a Local Area Network (LAN). MobileViewer makes a read-only "snapshot" available to field personnel for maintenance and operations activities.

In other words, both of these viewing clients distribute intelligent geospatial information to fixed and mobile locations, providing navigation, query, and redline capabilities to two main groups of users: connected viewers who work in an office environment connected to the network and disconnected viewers who represent mobile users in the field.

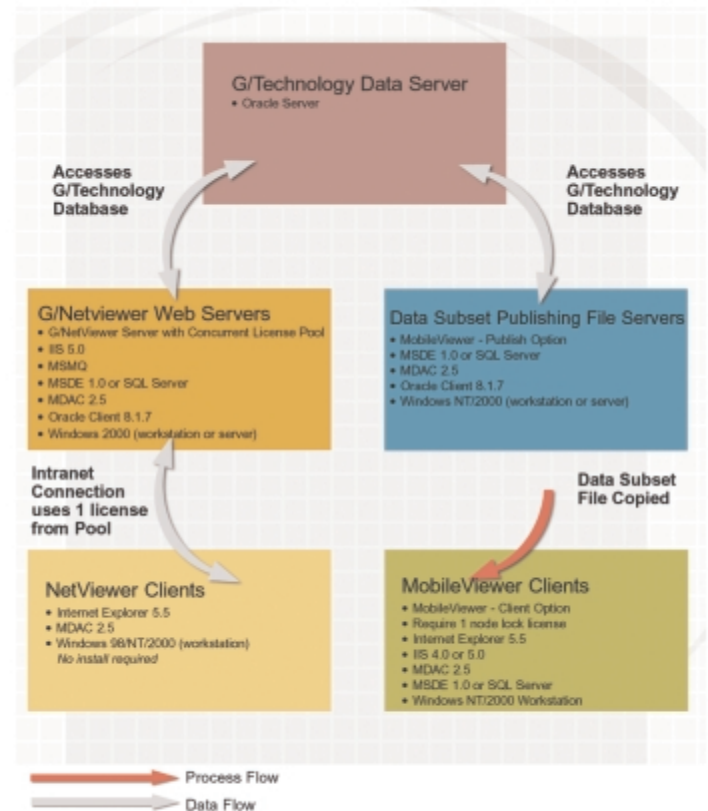
General Information

The following information provides a general overview of the NetViewer and MobileViewer systems and interfaces.

- **NetViewer:**
 - Supports corporate users who need read-only viewing of the master facility model via a LAN connection.
 - Operates as an Internet or Intranet application.
- **MobileViewer:**
 - Does not require the purchase of a database product, such as Oracle, for the mobile laptop computer.
 - Runs on a standard laptop configuration.
 - Utilizes a snapshot of the geofacilities database.

The following diagram illustrates the configuration of both the MobileViewer and NetViewer applications. The G/Technology Data Server referenced in the diagram contains an Oracle database.

G/Technology Viewer Configuration



The G/Technology Viewer Configuration is subject to change over the course of final product development.

General Functional Overview

Using the Microsoft Windows look and feel, whether connected with NetViewer or disconnected with MobileViewer, the user can:

- View geographic maps of the geofacilities model.
- Perform pre-defined tracing and area-bounded queries, which are configured during the implementation phase.
- Locate geofacilities by X,Y coordinates.
- Search for facilities, based on specific attribute values.
- Select facilities on the map and view their attributes (both graphic and non-graphic).
- Navigate through facility relationships within the data model, based on an attribute or feature type.
- Conduct step-wise tracing, based on connectivity criteria.
- Make redline markups that can be viewed later through other products in the G/Technology family.
- Measure the distance between two points or the length along a linear element.
- View the manhole layout in Feature Explorer when a duct is selected. (This is applicable only to data models that include duct configurations.)
- Through pre-defined legends, control what is displayed and what may be selected in the map view.
- Pan and zoom.
- Display detail views.
- Provide a variety of reports that are pre-configured in the G/Technology system.

Publishing Capabilities

The Data Subset Publishing/File Server Seat is used to publish the various data subsets for a company's regions. Additionally, it acts as a file server so that the data subsets can be file copied to the MobileViewer systems.

- **Subsetting Data.** The publishing utilities for G/Technology can subset data, based on an attribute common to all features.
- **PublishSubset Utility.** MobileViewer's PublishSubset utility extracts subsets of non-graphic data by feature attribute and converts those tables into the format used by the database engine of the mobile laptop computer. It will also support batch scheduling.

Benefits Summary

Among the major benefits offered by NetViewer and MobileViewer are the following:

- **Cost reduction** will be realized because facility-locate inquiries can be screened using NetViewer. Users can check the facility database to confirm the need to send field personnel.
- **Better service** results because front-line employees in Customer Service can view a customer's location and identify nearby existing facilities. If there are none, Customer Service can inform customers of the waiting period.
- **Productivity increases** because critical data on the corporate network can be shared with remote users, eliminating unnecessary field trips and printed maps.



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

