CASE STUDY

ILLUMINATOR

Next Generation Network

GD
PROGRESSIVE
SOFTWARE
SOLUTIONS

CASE STUDY

ILLUMINATOR & Next Generation Networks

Problem

The client is in the process of developing a next generation all IP network architecture. This involves a parallel build of the replacement (time limited imperative to discontinue current system) optical core and associated access network elements. It also includes a complex implementation strategy which requires detailed analysis of multiple existing network topologies and services. This is essential to the success of the project and will be key to effective roll out planning and subsequent customer service continuity throughout the migration phase.

Solution

The first challenge from a tool development perspective was the creation of an existing connection and service discovery strategy. The network architectures are numerous and include many legacy system elements. The current platforms were constructed over many decades and involved a large number of build projects. Design, implementation and operational records formats are diverse and were not consistent in nature.

GD began with an analysis of existing data and formulated a cleansing and normalisation strategy. We integrated a suitable 3rd party geo-location product to fit seamlessly into the ILLUMINATOR interface and created a unique internal multi-layer data structure which reflected the client's network architecture and allowed for appropriate and most

valuable data querying. Graphical Data also provisioned ongoing development and data management facilities to fully support the next generation network roll out.

Benefits

- Provides the client the ability to view and interpret very complex network connections in a multi-layer attribute perspective.

- Enhanced, well informed design & implementation decision making which in turn is reducing risks associated with service continuity during migration.

- Considerable reduction in time spent by design teams trawling through numerous, diverse and inconsistent data repositories.

- Provides capacity modelling facilities associated with current and projected network requirements.

For more information contact us on info@graphicaldata.co.uk