



Digital Geographic Technologies, Inc. Network Information Systems Group



Info Sheet Network Security

Overview

At DGT, we feel it is important to plan for and implement a level of security that is appropriate for an organizations business needs. We have made network security an important practice area within our organization and have dedicated the necessary resources to keep current on matters of network security. This allows us to help clients align their security needs with their business practices by assisting them with planning for their network security and implement their security plan.

DGT recognizes the importance of the four major security issues as identified by the CERT Coordination Center of the Software Engineering Institute with regards to securing network servers. Our security practice service is designed to address these four issues.

Confidentiality — Maintaining the confidentiality of information stored on the network. This includes:

- Ensuring that only authorized users can access the services and information
- Ensuring that authorized users can access only the services for which they are authorized

Integrity — Maintaining the integrity of information stored on the servers. This includes ensuring that you can recognize and recover from breaches of integrity.

Availability — Maintaining the availability of the services. This includes:

- Ensuring that services are uninterrupted even when there are hardware or software failures or during routine system maintenance
- Ensuring that you can recognize and recover from security incidents in a timely manner

Mutual Authentication — Ensuring that the user is who he claims to be and that the network server host is who it claims to be. CERT®/CC

DGT has developed a security practice plan with goals that are closely aligned with Microsoft's documented Network Infrastructure Administration Implementation goals for Enterprise-Wide Network Security. This plan includes goals for **Implementing Network Security, Configuring Remote Access Security and Monitoring Security Events**. When implemented, a customized security plan will help an organization achieve the desired level of network security that is aligned with their business objectives.