

TECHNICAL NOTE

FabGuard™ Data Management

Data management and retrieval is very important in data integration and Advanced Process Control software. For multiple FabGuard Sensor Integration and Analysis Systems, each computer is connected via a local area network to the FabGuard server which uses Microsoft's SQL Server 2000 operating system.

In addition to the centralized database, there are several other valuable enterprise level tools to help you get the most from the INFICON FabGuard Sensor Integration and Analysis System: FabGuardExecutive, FabGuardWeb, and FabGuard Analysis Only. The FabGuard structure and subsystems with multiple FabGuard systems is explained here.

FABGUARD EXECUTIVE

FabGuard Executive provides one centralized communications gateway from each FabGuard system to the outside world. This includes network messaging, email, and connectivity to one or more FabGuard Web. FabGuard Executive maintains each FabGuard system, primarily by copying data to the FabGuard Server and deleting old data from each FabGuard system. FabGuard Executive runs on the FabGuard Server.

FABGUARD WEB

FabGuard Web provides status information and remote control for all FabGuard systems connected to FabGuard Executive. FabGuard Executive uses a web server to provide active server web pages for FabGuard Web. FabGuard Web runs on Microsoft Internet Explorer so a user can determine from his or her desk what the FabGuard system is seeing without installing special software onto their desktop. FabGuard Web allows the user to search the FabGuard database and in the future, will include a data viewer. FabGuard Web can also be used by INFICON, if the customer chooses to use eFabGuard to provide INFICON with secure access via the Internet.

FABGUARD ANALYSIS ONLY

FabGuard Analysis Only provides all of the functionality of the full version of FabGuard, except for data collection. The most useful features are data analysis and re-analysis, recipe modification, and database searching. FabGuard Analysis Only runs on one or more standard office computers. FabGuard data can be loaded from the FabGuard Server or from individual FabGuard computers. Database searches are performed on the centralized database on the FabGuard Server.

eFABGUARD SPEEDS RESPONSE TO PROBLEMS

eFabGuard uses the internet to provide the capabilities listed above to FabGuard experts located at INFICON. A secure connection is made using state of the art, commercial VPN technology with IPSec security and 3DES encryption. This connectivity makes it possible for INFICON to respond very quickly to process or equipment problems detected by FabGuard as well as provide excellent support for FabGuard recipes and analyses.

