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SAS® 9.2 Enhanced Logging Facilities Exposed

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ABSTRACT

(Loggers, Appenders, and Thresholds: Oh My!)

The SAS® 9.2 enterprise server environment contains an enhanced logging facility which provides the ability to finely tune SAS® logging and auditing behavior. SAS administrators and Enterprise IT administrators now have the power and flexibility to classify messages according to a well-defined namespace and dynamically enable diagnostic logging levels. SAS programmers can also exploit the enhanced logging features through the use of SAS 4GL language statements. Enhanced logging features include classifying messages according to audit, performance, administration or application namespaces, and diagnostic level such as trace, information, error, warning, or fatal conditions. The logging facility contains a suite of predefined patterns to customize the output format for diagnostic messages. Through the use of appenders, administrators can direct messages to customized output destinations such as the Windows Event Viewer, UNIX System logs, the z/OS System Logger, or operators console. Additionally, messages can be directed to an external database for real-time analysis of enterprise activity or to perform historical analysis on audit, performance, or diagnostic events. Through the enhanced logging facility, SAS and IT administrators, as well as SAS application programmers are now armed with a rich collection of options to optimize their auditing and logging SAS Enterprise environment.

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