



Log Analyzer

Correlation and collection of log data - Introduction

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Updated August 6, 2009

The objective of this IBM Education Assistant module is to describe how to correlate and collect log data using Log Analyzer.

Correlation and Log Analyzer

- Correlation is the process of analyzing and determining a set of related events. These events are based on a set of rules that are used to interpret the data contained in the events
- Types of correlation include:
 - ▶ Sequential
 - ▶ Associative

You can use the Log Analyzer to correlate information within a log file from a single application or across multiple log files generated by different applications.

Sequential correlation is the ability to sort the events in a log by various fields contained in the events, for example, the time stamp.

Associative correlation is the ability to filter or group the events displayed in a log by the values in various fields contained in the events, for example, grouping by thread ID.

You can use the correlation types together to provide a complete picture. For example, when grouping a set of events together you typically order the events in the group also.

Correlation and collection of log data

- Log Analyzer supports different types of log formats from many different IBM products
- Log files can be located on different workstations within the customer environment
- Log files can be extremely large
- The Log View shows the log records of an imported log in common base event format

The first step is to determine if Log Analyzer supports the log files for the product you want to analyze.

The next step is to import log files from IBM Support Assistant.

Before you import a log, know the size of the log. Use filters to only import the necessary records for problem analysis.

You can see the properties and values of each log record in this view. Use the Log View with the Log Interactions and Log Thread Interactions views to effectively examine log interactions.

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