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Stat Server User's Guide

System Clock Changes

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System Clock Changes

Local system clock changes do not affect the time reported by event-supplying servers, except when these servers are located on the same computer as Stat Server. (Such a deployment, incidentally, is not recommended.) However, if the system time changes on the data source computer, for Daylight Saving Time, for example, this server may start sending events with timestamps that are earlier than the timestamps of previously transmitted events. Stat Server manages this scenario by holding in memory the timestamp of the last received event, for each data source. If the timestamp of a newly received event is less than the timestamp of the last received timestamp, Stat Server uses the timestamp of the last received event to ensure monotonicity of source time for each data source. If the system time on the data source computer is adjusted forward to a later time, Stat Server applies no adjustments to the new time.