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T-Server for CSTA Connector Deployment Guide

Failed Route Notification

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Failed Route Notification

T-Server supports a variety of alarm messages for unsuccessful routing scenarios.

When this feature is enable, a failed route timer is set using the interval defined in the `route-failure-alarm-period` configuration option. Each routing failure reported during this period is added to a counter. If this counter exceeds a *high water mark* threshold value defined by the `route-failure-alarm-high-wm` configuration option, T-Server sets a route failure alarm condition, and resets the counter.

The alarm condition is cleared when fewer route failures than what is configured in the `route-failure-alarm-low-wm` configuration option are recorded and, also, there is no more than the number of route failures configured in the `route-failure-alarm-high-wm` option in one complete period (configured in the `route-failure-alarm-period` option).

Setting the value of the `route-failure-alarm-period` option to 0 (zero) disables this feature.

LMS Messages

High alarm

Text: STANDARD Route Failure: Exceeds [%d1] failures within [%d2] seconds; Last Route ConnID[%s], ErrorCode(%d3)

Description: T-Server sends a warning that the number of allowable failed route requests during the set time period is exceeded.

Attributes:

- %d1 represents the number of failed route requests during this time period
- %d2 represents the period of time (in seconds) in which the failures occurred
- %d3 represents the error code generated, within this time period, in the EventError message for the last failed route

Low alarm

Text: STANDARD Route Failed: Below high water mark

Description: The reported condition has ended.

Attributes: None

HA Considerations

Only the primary T-Server maintains the failed routing counter. The backup T-Server does not run the route-failure-alarm-period option timer, so it keeps the routing failure alarm in the canceled state.

- On switchover from the primary role to the backup role, T-Server stops the route-failure-alarm-period option timer and clears any alarm internally, without sending any LMS message.
- On switchover from the backup role to the primary role, T-Server starts the route-failure-alarm-period option timer and starts counting routing requests and routing failures.