

Inputs

Each log entry contains two parts: (Log event ID - Raw content). The window of log sequence that requires your anomaly detection is:

- **E68:**Unexpected exception causing shutdown while sock still open
- **E68:**Unexpected exception causing shutdown while sock still open
- **E69:******* GOODBYE /10.10.34.13:57554 *****

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Guidelines

- Guideline 1: If E68, E69 then the system is [Abnormal]. This rule has a precision of 1.0. The evaluation results are obtained based on 590 pieces of data.

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Response

The log sequence contains multiple instances of E68,E69 which according to the provided guideline 1, is associated with an abnormal state. The rule has a high precision of 1.0, indicating that it is highly reliable. Therefore, based on the presence of E68,E69 in the log sequence and the reliability of the rule, it is likely that the system is in an abnormal state.

System State:[Abnormal] **Accurate √**

(a)

Inputs

E4:- 1118431495 2005.06.10 R30-M1-NE-C:J16-U01 2005-06-10-12.24.55.712836 R30-M1-NE-C:J16-U01 RAS KERNEL INFO 30 ddr errors(s) detected and corrected on rank 0, symbol 9, bit 7

E7:- 1118431495 2005.06.10 R35-M0-N0-C:J07-U01 2005-06-10-12.24.55.988489 R35-M0-N0-C:J07-U01 RAS KERNEL INFO total of 1 ddr error(s) detected and corrected

E6:- 1118431496 2005.06.10 R30-M1-NE-C:J16-U01 2005-06-10-12.24.56.002853 R30-M1-NE-C:J16-U01 RAS KERNEL INFO CE sym 9, at 0x00100000, mask 0x11

E6:- 1118431496 2005.06.10 R30-M1-NE-C:J16-U01 2005-06-10-12.24.56.081836 R30-M1-NE-C:J16-U01 RAS KERNEL INFO CE sym 9, at 0x00088980, mask 0x11

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No Guidelines

Response

The logs show multiple instances of DDR errors being detected and corrected. While the system has been able to correct these errors, the frequency and consistency of these errors across different timestamps is concerning. This could indicate a potential issue with the system's memory.

Although the system has a certain degree of fault tolerance and has been able to correct these errors, the consistent occurrence of these errors is not normal behavior and could potentially lead to more serious issues if not addressed.

Therefore, based on the provided logs, the system state is:

System State:[Abnormal]. **Error x**

(b)

Guidelines

Based on the historical data, the log sequence is perfectly normal. There is no evidence of anomalous log patterns in this log sequence.

Response

The logs provided indicate that there are some errors detected and corrected in the system. However, these errors are not necessarily indicative of a system anomaly. The system is designed to handle and correct such errors, and the logs show that it is doing so successfully. Therefore, based on the guidelines provided, unless there are clear indications of system anomalies, the system can be considered to be operating normally.

System State:[Normal] **Accurate √**

(c)