
Rule DAS287: OTHER APPLICATIONS DID NOT REFERENCE THE VOLUME

Finding: CPExpert has determined that only the "loved one" workload referenced the volume during the interval when the device had the worst performance.

Impact: This finding has little impact, other than to indicate that the device performance is a function of the "loved one" workload, rather than performance problems being caused by other workload.

Logic flow: The following rules cause this rule to be invoked:
DAS200: Volume with worst overall performance

Discussion: CPExpert examined the workload accessing the device during the period of "worst" performance. Only the "loved one" workload accessed the device during this measurement interval.

As described in Section 5, the SMF Type 30(Interval) information might not be synchronized with the SMF Type 70(series) information. In this case, the identification of applications may not correctly identify the applications with the most I/O operations to the volume. However, if the analysis produces the same results after analyzing more than one day's measurement data, you can be more comfortable that the applications are correctly identified.

In some cases, the Type 30(Interval) data does not reflect all I/O activity to a device. This normally is caused by the Interval records not being written for all address spaces (such as started tasks running in SYSSTC service class). Consequently, you should use the output from DAS180 with care.

However, if the analysis produces the same results after analyzing more than one day's measurement data, you can be more comfortable that other workload did not reference the device.

Suggestion: This finding implies that performance problems for the device are not caused by contending workloads. Performance tuning actions must be directed toward the "loved one" workload.