
Rule WLM353: I/O activity may have caused significant delays to server

Finding: CPExpert believes that I/O activity by the service class may be a significant cause of the service class missing its performance goal. This finding is produced when (1) the DASD Component of CPExpert is licensed and (2) the CPExpert modification to MXG or MICS has been installed to associate device information to service classes, and (3) SMF Type 30(Interval) records for the address spaces in the server service class **were** available during the measurement intervals when the service class missed its performance goal.

This finding applies only to MVS versions prior to OS/390 Release 3, and to MVS versions with OS/390 Release 3 if I/O Priority Management has **not** been specified.

Impact: This finding can have a LOW IMPACT, MEDIUM IMPACT, or HIGH IMPACT, depending upon the amount of I/O activity and the delay to the service class caused by the I/O activity.

Logic flow: The following rule causes this rule to be invoked:
Rule WLM301: Server Service Class was delayed for UNKNOWN delay

Discussion: When CPExpert produces Rule WLM301 to indicate that a server service class was delayed for UNKNOWN reasons, CPExpert attempts to estimate the amount of UNKNOWN delay which might be attributed to I/O delay.

Rule WLM353 is similar to Rule WLM350, except the information pertains to server service classes.

Suggestion: Please refer to Rule WLM350 for a discussion of I/O delays and alternatives to reduce the delays.