

知 3par 7400 cage6到cage9不定时黄灯报警

告警监控 王建科 2019-09-29 发表

组网及说明

3par 7400

3par os:

Release version 3.2.1 (MU3)

Patches: P17,P18,P19,P23,P27,P29,P30,P37

问题描述

多个盘笼上 (cage6到cage9) 的第三个告警灯亮, 亮一段时间后自动熄灭。不定时又会再亮, 再自动熄灭。



过程分析

从3par历史日志看, 对应盘笼有温度低的报警:

Time : 2019-08-13 08:27:01.19 CST

Node : 1

Seq : 35278619

Class : Status change

Severity : Informational

Type : Component state change

Component: hw_cage:6

Message : Cage 6 Normal (Temperature Under_Warning_Threshold)

Time : 2019-08-05 00:43:22.50 CST
Node : 1
Seq : 35099684
Class : Status change
Severity : Informational
Type : Component state change
Component: hw_cage:7
Message : Cage 7 Normal (Temperature Under_Warning_Threshold)

Time : 2019-08-12 00:05:16.02 CST
Node : 1
Seq : 35249498
Class : Status change
Severity : Informational
Type : Component state change
Component: hw_cage:8
Message : Cage 8 Normal (Temperature Under_Warning_Threshold)

Time : 2019-08-12 09:29:16.09 CST
Node : 1
Seq : 35257396
Class : Status change
Severity : Informational
Type : Component state change
Component: hw_cage:9
Message : Cage 9 Normal (Temperature Under_Warning_Threshold)

查看对应盘笼的dump日志，提示盘笼的zone2区域有低温报警：
cage 6 log dump:

Display logged msgs

1145+23:36:19.121; ENC_MGT; env_control; 04; Temperature zone 2 is now: OK
1145+23:36:19.121; ENC_MGT; env_control; 04; Temperature zone 2 is now: warning cold cleared
1145+20:37:32.612; ENC_MGT; env_control; 04; Temperature zone 2 is now: warning cold set

zone 2

name : PCM 0 inlet
location : PCM0:0
currentTemperature : 12.250
faultStates.generatedFault : 0
faultStates.detectedFault : 0
faultStates.generatedPredictedFail: 0
faultStates.detectedPredictedFail : 0
faultStates.elementSpecificFaults : 0x0
defaultCriticalColdTemperature : 5
defaultCriticalHotTemperature : 55
modifiedWarningColdTemperature : 10
modifiedNormalTemperature : 45
modifiedWarningHotTemperature : 50

cage 7 log dump:

Display logged msgs

1138+01:19:59.150; ENC_MGT; env_control; 04; Temperature zone 2 is now: OK
1138+01:19:59.150; ENC_MGT; env_control; 04; Temperature zone 2 is now: warning cold cleared
1137+12:52:51.717; ENC_MGT; env_control; 04; Temperature zone 2 is now: warning cold set

zone 2

name : PCM 0 inlet
location : PCM0:0

currentTemperature : 12.500
faultStates.generatedFault : 0
faultStates.detectedFault : 0
faultStates.generatedPredictedFail: 0
faultStates.detectedPredictedFail : 0
faultStates.elementSpecificFaults : 0x0
defaultCriticalColdTemperature : 5
defaultCriticalHotTemperature : 55
modifiedWarningColdTemperature : 10
modifiedNormalTemperature : 45
modifiedWarningHotTemperature : 50

cage 8 log dump:

Display logged msgs

1145+03:11:34.224; ENC_MGT; env_control; 04; Temperature zone 2 is now: OK
1145+03:11:34.224; ENC_MGT; env_control; 04; Temperature zone 2 is now: warning cold cleared
1144+12:15:44.969; ENC_MGT; env_control; 04; Temperature zone 2 is now: warning cold set

zone 2

name : PCM 0 inlet
location : PCM0:0
currentTemperature : 12.375
faultStates.generatedFault : 0
faultStates.detectedFault : 0
faultStates.generatedPredictedFail: 0
faultStates.detectedPredictedFail : 0
faultStates.elementSpecificFaults : 0x0
defaultCriticalColdTemperature : 5
defaultCriticalHotTemperature : 55
modifiedWarningColdTemperature : 10
modifiedNormalTemperature : 45
modifiedWarningHotTemperature : 50

cage 9 log dump:

Display logged msgs

1145+02:45:02.678; ENC_MGT; env_control; 04; Temperature zone 2 is now: OK
1145+02:45:02.678; ENC_MGT; env_control; 04; Temperature zone 2 is now: warning cold cleared
1144+21:43:05.386; ENC_MGT; env_control; 04; Temperature zone 2 is now: warning cold set

zone 2

name : PCM 0 inlet
location : PCM0:0
currentTemperature : 12.875
faultStates.generatedFault : 0
faultStates.detectedFault : 0
faultStates.generatedPredictedFail: 0
faultStates.detectedPredictedFail : 0
faultStates.elementSpecificFaults : 0x0
defaultCriticalColdTemperature : 5
defaultCriticalHotTemperature : 55
modifiedWarningColdTemperature : 10
modifiedNormalTemperature : 45
modifiedWarningHotTemperature : 50

解决方法

cage6-9有多次低温警告，日志记录都是发生在cage6-9的zone 2 (PCM 0) 位置。经与用户核实确实现场PCM 0一侧的环境温度偏低。

建议改善设备环境温度。