

知识库文章：000481068

误报容器运行状况。(000481068)

主要产品 : ECS 应用装置
产品 : ECS 应用装置、ECS 应用装置硬件、ECS Appliance Software with Encryption、ECS Appliance Software without Encryption、ECS Appliance Software with Encryption 2.2、ECS Appliance Software without Encryption 2.2

版本：6 文章类型：故障修复 目标受众：级别 30 = 客户 上次发布时间：2016 年 5 月 6 日（星期五），12:00:19 GMT

摘要：

问题： 误报容器运行状况。

ECS 将 dial-home，并显示如下警报：

Connect Home

Clarify Id: APM00999007777
Site Name: UNKNOWN
Vendor: EMC
DeviceType: ElasticCloudStorageApp
Model: ElasticCloudStorage
SerialNumber: APM00999007777
Platform: platform
OS: SUSE Linux Enterprise Server 12
OS_VER: SUSE Linux Enterprise Server 12
EmbedLevel: 2
InternalMaxSize: 512800
Comment: Fabric Alert
Ucode_Ver: 2.2
ConnectType: ESRS
IP_Address: Not Available
IP_Name: [Noed6.ecs1.BigCo.net](#)
Port: 22

SymptomCode: 2012
Category: Status
Severity: Error
Status: Warning
Component: Fabric Agent
ComponentID: 2205c9d8-790b-4310-a964-e5360e05
SubComponent: Service
SubComponentID: [object-main](#)
CallHome: true
FirstTime: [2016-04-05T15:02:18.026Z](#)
Description: Service Health Suspect event

在上面的警报中，Fabric Agent 宣称 Object Main Container 出错，但下面的日志显示 Object Main Container 就算真的出了问题，时间也只有 15 秒或更短。

```

2016-04-05 15:02:08,365 60562787 [pool-1-thread-1] INFO
com.emc.caspian.fabric.agent.driver.GoalStateDriver - Handling event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED,
timestamp=04/05/2016 15:02:08.364 UTC, slot= object-main,
health=GOOD]
2016-04-05 15:02:18,027 60572449 [pool-1-thread-1] DEBUG
com.emc.caspian.fabric.agent.api.EventHelper - Emitting event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED,
timestamp=04/05/2016 15:02:18.026 UTC, slot= object-main,
health=SUSPECT]
2016-04-05 15:02:18,027 60572449 [pool-1-thread-1] INFO
com.emc.caspian.fabric.agent.driver.GoalStateDriver - Handling event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED,
timestamp=04/05/2016 15:02:18.026 UTC, slot= object-main,
health=SUSPECT]
2016-04-05 15:02:32,401 60586823 [pool-1-thread-1] DEBUG
com.emc.caspian.fabric.agent.api.EventHelper - Emitting event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/05/2016 15:02:32.401 UTC, slot=
object-main, health=GOOD]

```

请注意：在上面的日志中，对象容器标记为 SUSPECT 时的时间戳对应于警报内容中的“FirstTime”的值。

在 15:02:08 时容器状态为 GOOD，然后在 15:02:18 时状态变为不是 GOOD (SUSPECT)。接着，在 15:02:32，结构检测到该容器状态又变为 GOOD。

根据此时间线判断，此警报不应发出！

- 原因：** 这是 ECS 应用装置中的一项缺陷，具体就是，任何表明容器未处于 GOOD 状态的迹象都将触发警报。ECS 软件未将瞬时状况考虑在内。
- 更改：** 不适用
- 解决方法：** 为确认您存在此问题，请检查结构日志。

以下命令将查看过去两天内的每一个 Fabric Agent 日志：
Node2:~ # **viprexec -i 'find /opt/emc/caspian/fabric/agent/log/ -type f -name "*agent.log*" -mtime -2 -exec xzgrep SLOT_HEALTH_UPDATED {} \; | sort | grep -v GOOD'**

Output from host : 192.168.219.1

Output from host : 192.168.219.2

Output from host : 192.168.219.3

Output from host : 192.168.219.4

Output from host : 192.168.219.5

```

Output from host : 192.168.219.6
2016-04-04 22:12:48,577 2999 [pool-1-thread-1] DEBUG
com.emc.caspian.fabric.agent.api.EventHelper - Emitting event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/04/2016 22:12:48.577 UTC, slot=
object-main, health=DEGRADED]
2016-04-04 22:12:48,641 3063 [pool-1-thread-1] INFO
com.emc.caspian.fabric.agent.driver.GoalStateDriver - Handling event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/04/2016 22:12:48.577 UTC, slot=
object-main, health=DEGRADED]
2016-04-05 15:02:18,027 60572449 [pool-1-thread-1] DEBUG
com.emc.caspian.fabric.agent.api.EventHelper - Emitting event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/05/2016 15:02:18.026 UTC, slot=
object-main, health=SUSPECT]
2016-04-05 15:02:18,027 60572449 [pool-1-thread-1] INFO
com.emc.caspian.fabric.agent.driver.GoalStateDriver - Handling event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/05/2016 15:02:18.026 UTC, slot= object-main,
health=SUSPECT]

```

Output from host : 192.168.219.7

Output from host : 192.168.219.8

```
Node2:~ # date
Tue Apr 5 16:14:16 UTC 2016

Node2:~ # viprexec -i 'hostname -f'

Output from host : 192.168.219.1
Node1.ecs1.BigCo.net

Output from host : 192.168.219.2
Node2.ecs1.BigCo.net

Output from host : 192.168.219.3
Node3.ecs1.BigCo.net

Output from host : 192.168.219.4
Node4.ecs1.BigCo.net

Output from host : 192.168.219.5
Node5.ecs1.BigCo.net

Output from host : 192.168.219.6
Node6.ecs1.BigCo.net

Output from host : 192.168.219.7
Node7.ecs1.BigCo.net

Output from host : 192.168.219.8
Node8.ecs1.BigCo.net
```

我们看到 Node6 上最近的错误，而且 Node6 的主机名称匹配警报中的名称。让我们通过 ssh 连接到 Node6，更仔细地了解一下此情况。

```
Node2:~ # ssh 192.168.219.6
Last login: Tue Apr 5 16:18:32 2016 from sandy.rack
```

```
Node6:~ # find /opt/emc/caspian/fabric/agent/log/ -type f -name "*agent.log*" -mtime -2 -exec xzgrep
SLOT_HEALTH_UPDATED {} \; | sort > /tmp/Junk
```

```
Node6:~ # grep -B2 -A2 SUSPECT /tmp/Junk
2016-04-05 15:02:08,365 60562787 [pool-1-thread-1] DEBUG
com.emc.caspian.fabric.agent.api.EventHelper - 9162cbcc-122a-4fc6-8744-039ad8c4f0e5
Emitting event SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/05/2016
15:02:08.364 UTC, slot= object-main, health=GOOD]
2016-04-05 15:02:08,365 60562787 [pool-1-thread-1] INFO
com.emc.caspian.fabric.agent.driver.GoalStateDriver - Handling event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/05/2016 15:02:08.364 UTC, slot=
object-main, health=GOOD]
2016-04-05 15:02:18,027 60572449 [pool-1-thread-1] DEBUG
com.emc.caspian.fabric.agent.api.EventHelper - Emitting event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/05/2016 15:02:18.026 UTC, slot=
object-main, health=SUSPECT]
2016-04-05 15:02:18,027 60572449 [pool-1-thread-1] INFO
com.emc.caspian.fabric.agent.driver.GoalStateDriver - Handling event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/05/2016 15:02:18.026 UTC, slot=
object-main, health=SUSPECT]
2016-04-05 15:02:32,401 60586823 [pool-1-thread-1] DEBUG
com.emc.caspian.fabric.agent.api.EventHelper - Emitting event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/05/2016 15:02:32.401 UTC, slot=
object-main, health=GOOD]
2016-04-05 15:02:32,402 60586824 [pool-1-thread-1] INFO
com.emc.caspian.fabric.agent.driver.GoalStateDriver - Handling event
SlotHealthUpdated[kind=SLOT_HEALTH_UPDATED, timestamp=04/05/2016 15:02:32.401 UTC, slot=
object-main, health=GOOD]
```

如果您的日志与此类似，那么就算真有问题，您充其量也只是有一个瞬间问题，不应生成警报。此问题已作为一项需要在未来版本中补救的代码缺陷提交给 ECS 开发团队。

ECS 开发团队已承诺在定于 2016 年下半年推出的 ECS 3.0 中解决此问题。此修复将要求 ECS 的结构层为容器提供 60 秒的自行恢复到 GOOD 状态的宽限期。有了等待 60 秒后再触发警报这一机制，瞬时故障将不会触发警报。

主要产品：

ECS 应用装置

产品：

ECS 应用装置、ECS 应用装置硬件、ECS Appliance Software with Encryption、ECS Appliance Software without Encryption、ECS Appliance Software with Encryption 2.2、ECS Appliance Software without Encryption 2.2