



iMC- APM 一种监视Nginx应用失败原因

APM

Ucenter

zhlliao_osgV69

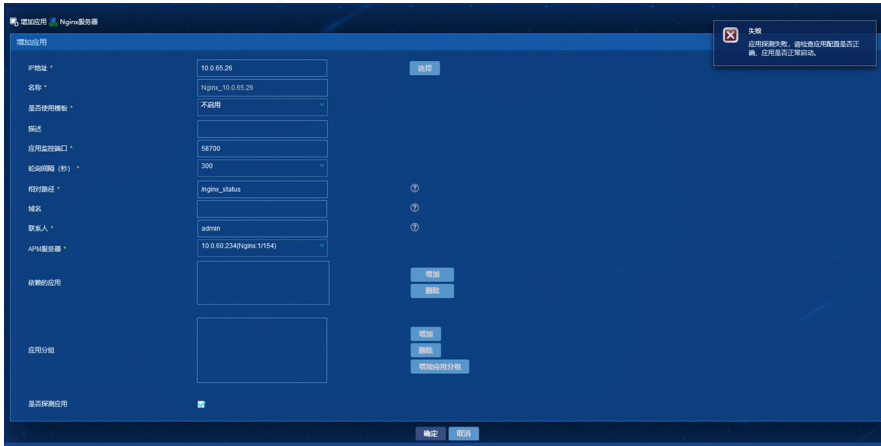
2023-03-31 发表

组网及说明

不涉及

问题描述

增加Nginx服务器时，提示失败，报错原因：应用探测失败，请检查应用配置是否正确，应用是否正常启动



过程分析

1.APM监控Nginx的先决条件，需要配置Nginx的conf目录下的nginx.conf文件，在apm服务器侧在浏览器地址栏中输入http://nginx-ip/nginx_status，能够访问服务器状态页面。如果此界面能否正常加载并且返回数据，说明配置成功，并能在apm进行监控，当Nginx服务器侧配置正确并且在Nginx服务器上能够访问http://nginx-ip/nginx_status，但是在APM上无法访问时，需要检查是否存在防火墙策略或者杀毒软件阻止访问。如果有，请关闭防火墙或杀毒软件，或者手工添加防火墙策略放行对应端口



```
Active connections: 90
server accepts handled requests
105823 105823 297164
Reading: 0 Writing: 2 Waiting: 88
```

2.现场在apm服务器侧能正常访问，但还是纳管不上，需要复现问题，收集 apmserver和 imcpamedm进程的DEBUG级别的日志，从日志中可以看到，我们apm服务端去访问 http://10.0.65.26:58700/nginx_status，返回了400，然后对比现场的访问成功uri截图，发现现场是通过https协议去访问服务器状态页面，然后现场通过http协议去访问无法打开页面，因此还是Nginx服务器侧配置问题

```
2023-03-22 11:35:43 [DEBUG] [pool-3-thread-66] [com.imc.apm.message.AppMessageHandlerMgrImpl:preHandleMessage] ++++++36701
2023-03-22 11:35:43 [DEBUG] [pool-3-thread-66] [com.imc.apm.message.AppMessageHandlerMgrImpl:handleRequestReceiver] Start Receiving msg
2023-03-22 11:35:43 [INFO ] [pool-3-thread-66] [com.imc.apm.message.AppMessageHandlerMgrImpl:handleRequestReceiver] Coming a message of type:oracle unit:jobs a
2023-03-22 11:35:43 [INFO ] [pool-3-thread-66] [com.imc.apm.application.nginx.NginxMgr:lookupApplicationItem] Exception caused by get the textfile of serverInfo.
Server returned HTTP response code: 400 for URL: http://10.0.65.26:58700/nginx_status
java.io.IOException: Server returned HTTP response code: 400 for URL: http://10.0.65.26:58700/nginx_status
    at sun.net.www.protocol.http.HttpURLConnection.getInputStream(HttpURLConnection.java:1509) ~[?:?]
    at sun.net.www.protocol.http.HttpURLConnection.getStream(HttpURLConnection.java:1550) ~[?:?]
    at com.imc.apm.application.nginx.NginxMgr.query(NginxMgr.java:286) [apmCore.jar:?]
    at com.imc.apm.application.nginx.NginxMgr.lookupApplicationItem(NginxMgr.java:505) [apmCore.jar:?]
    at com.imc.apm.message.AppMessageHandlerMgrImpl.handleRequestReceiver(AppMessageHandlerMgrImpl.java:1114) [apmCore.jar:?]
    at com.imc.apm.message.AppMessageHandlerMgrImpl.preHandleMessage(AppMessageHandlerMgrImpl.java:649) [apmCore.jar:?]
    at com.imc.apm.message.AppMessageHandlerMgrImpl.run(AppMessageHandlerMgrImpl.java:1439) [apmCore.jar:?]
    at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128) [?:?]
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628) [?:?]
    at java.lang.Thread.run(Thread.java:834) [?:?]
2023-03-22 11:35:43 [DEBUG] [pool-3-thread-66] [com.imc.apm.application.oracle.OracleServiceMgrImpl:parseParameter] the monitor type is 0
2023-03-22 11:35:43 [INFO ] [pool-3-thread-34] [com.imc.apm.message.AppMessageHandlerMgrImpl:handleRequestReceiver] type:nginx unit:test appid:0 Process time(s
2023-03-22 11:35:43 [INFO ] [pool-3-thread-66] [com.imc.apm.application.oracle.OracleServiceMgrImpl:parseParameter] oci:the type is rac
2023-03-22 11:35:43 [DEBUG] [pool-3-thread-34] [com.imc.apm.message.AppMessageHandlerMgrImpl:handleRequestReceiver] return mor...
```

解决方法

- 1.现场当前APM版本不支持https去监控Nginx服务器，默认是使用http去监控，只能修改Nginx服务器侧实现http协议访问
- 2.APM E0709P02版本开始支持https监控Nginx服务器

