

知 Workspace安装完成后部署界面无法登陆

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组网及说明

Workspace E1009

问题描述

Workspace底层安装完成后，输入http:// <管理节点的管理IP地址>后可以打开管理平台登录界面，但无法登录，且后台执行./vdi_check.sh检查组件安装结果，CAS&UIS项和Workspace项显示为不通过。

过程分析

- 1、优先检查安装包是否完整，校验MD5，确认安装包没有问题。
- 2、检查各组件、服务状态，发现tomcat8没有正常运行。
- 3、安装组件中CAS&UIS项主要就是检查tomcat8状态，tomcat8运行异常，则回显组件安装异常。尝试手动重启tomcat8进程，进程短暂拉起后又变为异常。

解决方法

排查系统日志，可以看到有tomcat8服务无法启动的打印

```
Jul 13 18:46:54 cvk systemd: tomcat8.service: control process exited, code=exited status=1
Jul 13 18:46:54 cvk rsyslogd: imjournal: 7942 messages lost due to rate-limiting
Jul 13 18:46:54 cvk systemd: tomcat8.service: Failed to start: tomcat8.service failed.
Jul 13 18:46:54 cvk systemd: tomcat8.service failed.
Jul 13 18:46:55 cvk java: com.jcraft.jsch.JSchException: java.io.FileNotFoundException: /root/.ssh/id_rsa (No such file or directory)
Jul 13 18:46:55 cvk java: at com.jcraft.jsch.KeyPair.load(KeyPair.java:545)
Jul 13 18:46:55 cvk java: at com.jcraft.jsch.IdentityFile.newInstance(IdentityFile.java:40)
Jul 13 18:46:55 cvk java: at com.jcraft.jsch.JSch.addIdentity(JSch.java:407)
Jul 13 18:46:55 cvk java: at com.jcraft.jsch.JSch.addIdentity(JSch.java:367)
Jul 13 18:46:55 cvk java: at com.virtual.vdi.server.common.ssh.SSHTools.d(SourceFile:433)
Jul 13 18:46:55 cvk java: at com.virtual.vdi.server.common.ssh.SSHTools.d(SourceFile:332)
Jul 13 18:46:55 cvk java: at com.virtual.vdi.server.handler.cas.CasLicenseUtils.isPhyKvm(SourceFile:21)
```

cas.log日志中也有相关组件缺失的报错:

```
七月 13, 2021 7:11:24 下午 org.apache.catalina.core.ContainerBase startInternal
严重: A child container failed during start
java.util.concurrent.ExecutionException: org.apache.catalina.LifecycleException: Failed to start component [StandardEngine[Catalina].StandardHost[localhost]]
    at java.util.concurrent.FutureTask.report(FutureTask.java:122)
    at java.util.concurrent.FutureTask.get(FutureTask.java:192)
    at org.apache.catalina.core.ContainerBase.startInternal(ContainerBase.java:945)
    at org.apache.catalina.core.StandardEngine.startInternal(StandardEngine.java:262)
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:145)
    at org.apache.catalina.core.StandardService.startInternal(StandardService.java:441)
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:145)
    at org.apache.catalina.core.StandardServer.startInternal(StandardServer.java:789)
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:145)
    at org.apache.catalina.startup.Catalina.start(Catalina.java:641)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at org.apache.catalina.startup.Bootstrap.start(Bootstrap.java:349)
    at org.apache.catalina.startup.Bootstrap.main(Bootstrap.java:483)
Caused by: org.apache.catalina.LifecycleException: Failed to start component [StandardEngine[Catalina].StandardHost[localhost]]
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:162)
    at org.apache.catalina.core.ContainerBase.startChild.call(ContainerBase.java:1410)
    at org.apache.catalina.core.ContainerBase.startChild.call(ContainerBase.java:1400)
    at java.util.concurrent.FutureTask.run(FutureTask.java:266)
    at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
    at java.lang.Thread.run(Thread.java:748)
Caused by: org.apache.catalina.LifecycleException: A child container failed during start
    at org.apache.catalina.core.ContainerBase.startInternal(ContainerBase.java:953)
    at org.apache.catalina.core.StandardHost.startInternal(StandardHost.java:871)
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:145)
    ... 6 more

七月 13, 2021 7:11:24 下午 org.apache.catalina.startup.Catalina start
严重: The required Server component failed to start so Tomcat is unable to start.
org.apache.catalina.LifecycleException: Failed to start component [StandardServer[8005]]
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:162)
    at org.apache.catalina.startup.Catalina.start(Catalina.java:641)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
```

判断是安装过程中，tomcat包解压出问题，部分内容损坏、缺失，进入/var/lib/tomcat8/webapps目录，重新生成目录下cas文件夹可以解决。

- 1、进入CVM节点 /var/lib/tomcat8/webapps目录，手动备份cas文件夹后，执行删除操作，命令如下：
rm -rf /var/lib/tomcat8/webapps/cas
- 2、重启CVM tomcat服务，使cas.war自动生成新的cas文件夹，执行命令如下：
service tomcat8 restart
- 3、此时在/var/lib/tomcat8/webapps/目录下，可以看到重新生成的cas文件夹
- 4、重新执行./vdi_check.sh，各组件状态都是success。刷新浏览器，可以正常登录。

