

组网及说明

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问题描述

iMC&U-Center jserver进程启动失败，报错“进程启动失败，需要审计日志分析原因”或者“进程启动未知错误”等之类的报错

过程分析

对于进程启动失败问题，什么进程启动失败就对应查看什么进程的日志。如本例现场jserver进程启动失败，就收集imcforeground.log分析。

- 1、查看日志有如下报错提示，该问题很常见，大部分是因为现场环境有杀毒软件、或者磁盘异常导致server.xml文件被损坏导致。
- 2、现场对应查找%iMC/client/conf/server.xml，发现文件大小确实只有0Kb。

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127 2020-11-14 10:15:38 [INFO] [main] [com.imc.bootstrap.TomcatStartup:iniWebApps] Deploying web application "%E:\Program Files\iMC\client\webapps\ipviewer" to "/ipviewer"
128 2020-11-14 10:15:38 [WARN] [main] [com.imc.bootstrap.WebAppAutoAssembler:assembleWebConfig] Can not find assembly web.xml - E:\Program Files\iMC\client\webapps\ipviewer\WEB-INF\w
129 2020-11-14 10:15:38 [INFO] [main] [com.imc.bootstrap.TomcatStartup:iniWebApps] Deploying web application "%E:\Program Files\iMC\client\webapps\selfservice" to "/selfservice"
130 2020-11-14 10:15:38 [WARN] [main] [com.imc.bootstrap.WebAppAutoAssembler:checkFiles] Do nothing for web assembly config: E:\Program Files\iMC\client\webapps\selfservice\WEB-INF\as
131 2020-11-14 10:15:38 [WARN] [main] [com.imc.bootstrap.WebAppAutoAssembler:checkFiles] Do nothing for web assembly config: E:\Program Files\iMC\client\webapps\selfservice\WEB-INF\as
132 2020-11-14 10:15:38 [WARN] [main] [com.imc.bootstrap.WebAppAutoAssembler:checkFiles] Do nothing for web assembly config: E:\Program Files\iMC\client\webapps\selfservice\WEB-INF\as
133 2020-11-14 10:15:38 [WARN] [main] [com.imc.bootstrap.WebAppAutoAssembler:checkFiles] Do nothing for web assembly config: E:\Program Files\iMC\client\webapps\selfservice\WEB-INF\as
134 2020-11-14 10:15:38 [WARN] [main] [com.imc.bootstrap.WebAppAutoAssembler:checkFiles] Do nothing for web assembly config: E:\Program Files\iMC\client\webapps\selfservice\WEB-INF\as
135 2020-11-14 10:15:38 [INFO] [main] [com.imc.bootstrap.TomcatStartup:iniWebApps] Deploying web application "%E:\Program Files\iMC\client\webapps\test" to "/test"
136 2020-11-14 10:15:38 [WARN] [main] [com.imc.bootstrap.WebAppAutoAssembler:assembleWebConfig] Can not find assembly web.xml - E:\Program Files\iMC\client\webapps\test\WEB-INF\asse
137 2020-11-14 10:15:38 [WARN] [main] [com.imc.common.CommonUtils:queryWebServerPort] getWebServerPort() Parse E:\Program Files\iMC\client\conf\server.xml get SAXException:
138 org.xml.sax.SAXParseException; lineNumber: 1; columnNumber: 1; 文件提前结束。
139
140 at com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderImpl.parse(DocumentBuilderImpl.java:347)
141 at javax.xml.parsers.DocumentBuilder.parse(DocumentBuilder.java:205)
142 at com.imc.common.CommonUtils.queryWebServerPort(CommonUtils.java:728)
143 at com.imc.common.CommonUtils.getWebServerPortFromServerXml(CommonUtils.java:556)
144 at com.imc.bootstrap.TomcatStartup.init(TomcatStartup.java:136)
145 at com.imc.bootstrap.TomcatStartup.afterPropertiesSet(TomcatStartup.java:79)
146 at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(AbstractAutowireCapableBeanFactory.java:1571)
147 at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1509)
148 at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:521)
149 at org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:296)
150 at org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:223)
151 at org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:293)
152 at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:194)
153 at org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:93)
154 at org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext.java:932)
155 at org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:479)
156 at com.imc.bootstrap.IMCServer.load(IMCServer.java:112)
157 at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
158 at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)
159 at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
160 at java.lang.reflect.Method.invoke(Method.java:606)
161 at com.imc.bootstrap.ServerStartup.load(ServerStartup.java:67)
162 at com.imc.bootstrap.ServerStartup.start(ServerStartup.java:51)
163 at com.imc.bootstrap.ServerStartup.process(ServerStartup.java:384)
164 at com.imc.bootstrap.BootstrapProcess(Bootstrap.java:139)
165 at com.imc.bootstrap.Bootstrap.main(Bootstrap.java:49)
166
167 2020-11-14 10:15:38 [WARN] [main] [com.imc.bootstrap.TomcatStartup:afterPropertiesSet] Start Embedded Tomcat Server error
168 java.lang.NullPointerException
169 at com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderImpl.parse(DocumentBuilderImpl.java:347)

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2020-11-14 10:15:38 [WARN] [main] [com.imc.common.CommonUtils::queryWebServerPort] getWebServerPort() Parse E:\Program Files\iMC\client\conf\server.xml get SAXException: org.xml.sax.SAXParseException; lineNumber: 1; columnNumber: 1; 文件提前结束。

at com.sun.org.apache.xerces.internal.parsers.DOMParser.parse(DOMPParser.java:257)

at

com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderImpl.parse(DocumentBuilderImpl.java:347)

at javax.xml.parsers.DocumentBuilder.parse(DocumentBuilder.java:205)

at com.imc.common.CommonUtils.queryWebServerPort(CommonUtils.java:728)

at com.imc.common.CommonUtils.getWebServerPortFromServerXml(CommonUtils.java:556)

at com.imc.bootstrap.TomcatStartup.init(TomcatStartup.java:136)

at com.imc.bootstrap.TomcatStartup.afterPropertiesSet(TomcatStartup.java:79)

at

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(A bstractAutowireCapableBeanFactory.java:1571)

at

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(Abstra ctAutowireCapableBeanFactory.java:1509)

at

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(Abstr actAutowireCapableBeanFactory.java:521)

at

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(Abstrac tAutowireCapableBeanFactory.java:458)

at

org.springframework.beans.factory.support.AbstractBeanFactory\$1.getObject(AbstractBeanFactory.ja va:296)

at

org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingleto nBeanRegistry.java:223)

at

org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.jav a:293)

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at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:1
94)
at
org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(Default
ListableBeanFactory.java:633)
at
org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(Abstra
ctApplicationContext.java:932)
at
org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:479)
at com.imc.bootstrap.IMCServer.load(IMCServer.java:112)
  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)
  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
  at java.lang.reflect.Method.invoke(Method.java:606) at
com.imc.bootstrap.ServerStartup.load(ServerStartup.java:677)
at com.imc.bootstrap.ServerStartup.start(ServerStartup.java:511) at
com.imc.bootstrap.ServerStartup.process(ServerStartup.java:384)
at com.imc.bootstrap.Bootstrap.process(Bootstrap.java:139)
at com.imc.bootstrap.Bootstrap.main(Bootstrap.java:249)
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#### 解决方法

##### 从现场环境

%iMC\deploy\components\iMC-PLAT\V700R001B06D023SP05(这个根据现场实际环境修改, 即为目  
录下最新文件夹)\client\client.zip\client\conf找到server.xml文件对应替换到现场环境对应目录下E:\Prog  
ram Files\iMC\client\conf\server.xml下, 再重启jserver即可。

注: 该问题分析及排查不局限于jserver进程启动失败, 对于其他例如leuplat和seplat等进程启动失败都  
有可能会有类似原因, 只要日志中出现这个上述错误, 一般这么处理就能解决。