

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:InitWebApps] Deploying web application "E:\Program Files\iMC\client\webapps\epviewer" to "epviewer"
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\epviewer\WEB-INF\as
129 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\epviewer\WEB-INF\as
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\epviewer\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\epviewer\WEB-INF\as
132 2020-11-14 10:15:38 [INFO ] [main] [com.imc.bootstrap.WebAppAutoAssembler:checkFiles] Do nothing for web assembly config: E:\Program Files\iMC\client\webapps\epviewer\WEB-INF\as
133 2020-11-14 10:15:38 [INFO ] [main] [com.imc.bootstrap.WebAppAutoAssembler:checkFiles] Do nothing for web assembly config: E:\Program Files\iMC\client\webapps\epviewer\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\epviewer\WEB-INF\as
135 2020-11-14 10:15:38 [INFO ] [main] [com.imc.bootstrap.WebAppAutoAssembler:assembleWebConfig] Can not find assembly web.xml - E:\Program Files\iMC\client\webapps\epviewer\WEB-INF\as
136 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:
137 org.xml.sax.SAXParseException; systemId: file:/E:/Program%20Files/iMC/client/conf/server.xml; lineNumber: 1; columnNumber: 1; 文件提前结束。
138 at com.sun.org.apache.xerces.internal.parsers.DOMParser.parse(DOMParser.java:257)
139 at com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderImpl.parse(DocumentBuilderImpl.java:347)
140 at javax.xml.parsers.DocumentBuilder.parse(DocumentBuilder.java:205)
141 at com.imc.common.CommonUtils.queryWebServerPort(CommonUtils.java:728)
142 at com.imc.common.CommonUtils.getWebServerPortFromServerXml(CommonUtils.java:556)
143 at com.imc.bootstrap.TomcatStartup.init(TomcatStartup.java:136)
144 at com.imc.bootstrap.TomcatStartup.afterPropertiesSet(TomcatStartup.java:79)
145 at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(AbstractAutowireCapableBeanFactory.java:1571)
146 at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1509)
147 at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:521)
148 at org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:458)
149 at org.springframework.beans.factory.support.AbstractBeanFactory.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.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFactory.java:633)
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(IKCServer.java:132)
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:677)
162 at com.imc.bootstrap.ServerStartup.start(ServerStartup.java:511)
163 at com.imc.bootstrap.ServerStartup.process(ServerStartup.java:384)
164 at com.imc.bootstrap.Bootstrap.process(Bootstrap.java:139)
165 at com.imc.bootstrap.Bootstrap.main(Bootstrap.java:449)
166 2020-11-14 10:15:38 [WARN ] [main] [com.imc.bootstrap.TomcatStartup:afterPropertiesSet] Start Embedded Tomcat Server error
167 java.lang.NullPointerException
168 at com.imc.common.CommonUtils.queryWebServerPort(CommonUtils.java:728)

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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; systemId: file:/E:/Program%20Files/iMC/client/conf/server.xml; lineNumber: 1; columnNumber: 1; 文件提前结束。

- at com.sun.org.apache.xerces.internal.parsers.DOMParser.parse(DOMParser.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(AbstractAutowireCapableBeanFactory.java:1571)
- at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1509)
- at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:521)
- at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:458)
- at org.springframework.beans.factory.support.AbstractBeanFactory\$1.getObject(AbstractBeanFactory.java:296)
- at org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:223)
- at org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:293)
- at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:194)
- at org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFactory.java:633)
- at org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext.java:932)

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at org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplic
ationContext.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 loa
d(ServerStartup.java:677)
at com.imc.bootstrap.ServerStartup.start(ServerStartup.java:511) at com.imc.bootstrap.Serv
erStartup.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:\Program 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euplat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。