

基于 docker、tomcat 搭建图片(文件)服 务器

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- 原文链接: https://ld246.com/article/1638862835639
- 来源网站:链滴
- 许可协议: 署名-相同方式共享 4.0 国际 (CC BY-SA 4.0)



docker search Tomcat docker pull Tomcat:8.0

本人指定拉取Tomcat 8.0,如下

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
image-tomcat	latest	2a4bdfe8c5c1	47 minutes ago	356MB
tomcat	8.5	a041be4a5ba5	2 weeks ago	533MB
tomcat	8.0	ef6a7c98d192	2 years ago	356MB

二、测试Tomcat运行

注意高版本的Tomcat中webapps目录中是没有内容的,也就是说无法访问到Tomcat默认的欢迎界面

注:前者是外围访问端口:后者是容器内部端口

如下命令可后台启动tomcat

-d: 后台运行容器,并返回容器ID;

-i: 以交互模式运行容器,通常与-t同时使用;

-t: 为容器重新分配一个伪输入终端, 通常与 -i 同时使用;

docker run -itd -p 8080:8080 tomcat

三、验证是否启动

1.如果docker ps 查看当前正在运行的容器,如果出现如下,则代表启动成功,或则 ip+9999 (自己射的)访问

[root@iZuf63u6	wgvqu4o7y464bbZ	images]# docker ps				
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
ef5e4d834faa	image-tomcat	"catalina.sh run"	51 minutes ago	Up 51 minutes	0.0.0.0:9999->8080/tcp	img-tomcat-server
[root@iZuf63u6	wgvqu4o7y464bbZ	images]#				
2.如果启动	失败,没有出	出现上图, 则 d	ocker logs 💈	容器id (此id)	在 docker run 命令	执行完毕后会
回) 查看E]志					
,	. –					

<pre>[root@iZuf63u0wgvgu4o7y464bbZ images]# docker run -d -v /blog/images:/data/ -p 9999:8080name img-tomcat-server images-tomcat</pre>
0479ed318f91945c95763722de230dedf3f70956a58b9979eb9955d38e588094
Iroot@iZut63u0wgvgu4o7v464bbZ_images1#_docker_ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
[root@iZuf63u0wgvgu4o7y464bbZ images]# docker logs 0479ed318f91945c95763722de230dedf3f70956a58b9979eb9955d38e588094
05-Jan-2021 07:33:20.960 SEVERE [main] org.apache.tomcat.util.digester.Digester.fatalError Parse Fatal Error at line 167 column 37: Element type "
org.xml.sax.SAXParseException; systemId: file:/usr/local/tomcat/conf/server.xml; lineNumber: 167; columnNumber: 37; Element type "Context" must
at com.sun.org.apache.xerces.internal.util.ErrorHandlerWrapper.createSAXParseException(ErrorHandlerWrapper.java:198)
at com.sun.org.apache.xerces.internal.util.ErrorHandlerWrapper.fatalError(ErrorHandlerWrapper.java:177)因为我们PS后友规没有答
at com.sun.org.apache.xerces.internal.impl.XMLErrorReporter.reportError(XMLErrorReporter.java:400)
at com.sun.org.apache.xerces.internal.impl.XMLErrorReporter.reportError(XMLErrorReporter.java:327)
at com.sun.org.apache.xerces.internal.impl.XMLScanner.reportFatalError(XMLScanner.java:1465)
at com.sun.org.apache.xerces.internal.impl.XMLDocumentFragmentScannerImpl.seekCloseOfStartTag(XMLDoCUMEACONGLARS(AMSCARS(A
the set of

四、创建Dockerfile (首字母要大写)

FROM tomcat:8.0 RUN rm -rf /usr/local/tomcat/webapps/* ADD ./server.xml /usr/local/tomcat/conf/ ENV TZ=Moran/bj RUN ln -snf /usr/share/zoneinfo/\${TZ} /etc/localtime && echo \${TZ} > /etc/timezone

五、准备 server.xml

这个文件可以去 下载个tomcat copy 出来

🔒 apa	che-tomcat-8.5.61-windov	名称 ^	压缩后大小
×	apache-tomcat-8.5.61 bin conf lib logs temp	 catalina.policy catalina.properties context.xml jaspic-providers.xml jaspic-providers.xsd	2,854 2,408 709 621 857
	work	 logging.properties server.xml tomcat-users.xml tomcat-users.xsd web.xml 	1,044 2,615 1,006 851 19,033

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增加配置项

E se	erver. xm]🔀	
128		
129	¢.	You should set jvmRoute to support load-balancing via AJP ie :</td
130		<engine defaulthost="localhost" jvmroute="jvml" name="Catalina"></engine>
131	-	>
132	白	<engine defaulthost="localhost" name="Catalina"></engine>
133		
134	¢.	For clustering, please take a look at documentation at:</td
135		/docs/cluster-howto.html (simple how to)
136	t.	/docs/config/cluster.html (reference documentation)>
137	中	<1
138		<cluster classname="org.apache.catalina.ha.tcp.SimpleTcpCluster"></cluster>
139	-	>
140		
141	中	Use the LockOutRealm to prevent attempts to guess user passwords</td
142		via a brute-force attack>
143	卓	<realm classname="org.apache.catalina.realm.LockOutRealm"></realm>
144	白	This Realm uses the UserDatabase configured in the global JNDI</td
145		resources under the key "UserDatabase". Any edits
146		that are performed against this UserDatabase are immediately
147	-	available for use by the Realm>
148		<realm <="" classname="org.apache.catalina.realm.UserDatabaseRealm" td=""></realm>
149		resourceName="UserDatabase"/>
150	-	
151		
152		<host <="" appbase="webapps" name="localhost" td=""></host>
153	F	unpackWARs="true" autoDeploy="true">
154	1	
100	T	Singlesignon valve, share authentication between web applications</p
120	1	Documentation at: /docs/config/valve.ntml>
150	T	The share share was a set in a
150	1	varve crasswame- org.apache.catarria.authencitcator.singlesignon //
160		
161		<pre><!-- Access log processes all example.</pre--></pre>
162	T	Documentation at: /docs/config/valve html
163	-	Note: The pattern used is equivalent to using pattern="common">
164		<valve <="" classname="org.apache.catalina.valves.AccessLogValve" directorv="logs" td=""></valve>
165		prefix="localhost access log" suffix=".txt"
166		pattern="%h %l %u %t "%r" %s %b" />
167		<context debug="0" docbase="//blog/images" path="/logo" reloadable="true"></context>
168	-	
169	-	浏览器的url路径
170	- </td <td>'Service> 虚拟机图片文件存放地址</td>	'Service> 虚拟机图片文件存放地址
171	L <td>erver> https://biog.csdn.net/hu150813</td>	erver> https://biog.csdn.net/hu150813

六、将server.xml Dockerfile 上传到linux服务器

total 40 -rw-r--r-- 1 root root 27632 Jan 5 14:31 caoliao.png -rw-r--r-- 1 root root 227 Jan 5 15:25 Dockerfile -rw-r--r-- 1 root root 7833 Jan 5 15:35 server.xml [rootai7uf63u0vgnud027u664bZ images]#

七、执行docker build 编译

注意

img-tomcat-server:0.1 (镜像名称)

名称后面 空格 然后有个.代表当前目录执行查找Dockerfile

docker build -t image-tomcat. 编译

八、查看生成的镜像文件

REPOSITORY	Jwgvqu407y TAG	'464bbZ images]# IMAGE ID	CREATED	SIZE
image-tomcat	latest	2a4bdfe8c5c1	About an hour ago	356MB
tomcat	8.5	a041be4a5ba5	2 weeks ago	533MB
tomcat	8.0	ef6a7c98d192	2 years ago	356MB
[root@iZuf63u	9wgvqu4o7y	464bbZ images]#		

九、执行启动Tomcat

docker run -d -v /blog/images:/data/ -p 9999:8080 --name img-tomcat-server image-tomcat

此时 /blog/images 已经挂载到容器内部目录中,此时外部linux上传图片,外网访问正常



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