# 节点管理器

节点管理器是指在物理的机器上运行的一个守护进程,通过它,管理服务器可以获得诸如在控制台中强制重启远程机器上的 server 等功能(没有节点管理器的情况下也是可以强制关闭远程服务器的,但是不能重启)。

在 weblogic 中启动节点管理器的好处:

- 1、 当被管服务器的 java 进程异常终止时 NodeManager 可以检测到并重启服务;
- 2、 可以通过 console 远程启动或停止被管服务器;

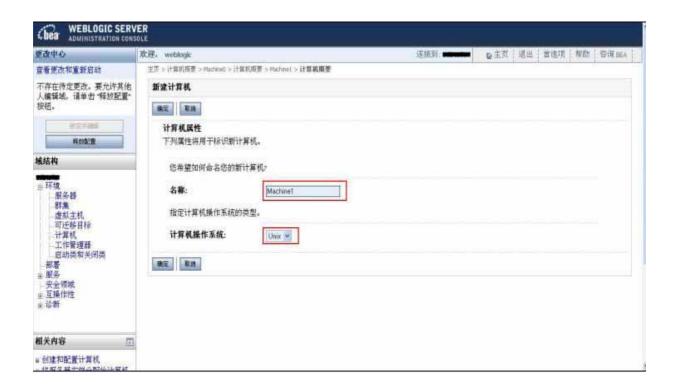
### 配置 nodemanager

一、如果在创建 Cluster Domain 时没有配置 Machines 则需通过以下步骤配置, 否则略过:

1、 登录 weblogic console ,http://192.168.0.1:8001/console ,依次点击左边的"环境"——"计算机",然后点击"锁定并编辑"——"新建":



### 2、输入"名称"和"计算机操作系统":



3、按照2步骤新建 Machine2, 建好后如下:



4、进入 Machinel 的配置页面,点击红框内的按钮,添加被管服务器:



5、选择"server1"添加到 Machine1 中:



6、添加完成后的页面:



7、同样将 server2 和 Machine2 关联起来,最后点击"激活更改":



# 二、启动 NodeManager,并通过 console 远程启动被管服务器:

1、通过如下命令启动 Machine1 上的 NodeManager:

startNodeManager.cmd 127.0.0.1 5556

2、、重新登录 console, 依次点击左边的"环境"——"服务器",可以看到**管理**服务器和被管服务器的状态:



3、远程启动被管服务器,点击第2步中的 server1 连接,进入如下页面:



4、、将页面下拉,选中 server1,单击"启动"按钮:



## 5、点击"是"按钮:



#### 6、被管服务器 server1 开始启动:



7、被管服务器 server2 由于在另外一个域里,默认情况下启动 server2 时管理服务器的后台日志会报如下错误:

(2009-3-26 涓嬪妹02鏃?3鍒?4缢95MT+08:00>〈Error〉〈NodeManager〉〈BEA-300033>〈Could not execute command "getVersion" on the node m anager. Reason: "I/O error while reading domain directory: java.io.FileNotFoundException: Domain directory '/u01/home/weblogic/bea/weblogic92/common/nodemanager' invalid (domain salt file not found)".>

通过 console 查看 NodeManager 的状态也为未知:



#### 需要通过如下命令把 Machine2 中的 NodeManager 注册到集群的 Administrator Server 中去:



8、然后通过第 1 步所说的方法启动 Machine2 上的 NodeManager,通过 console 查看 NodeManager 的状态也正常了:



#### 9、最后所有被管服务器的状态如下:



# 三、关于 NodeManager 的配置:

Element	Value
Node Manager service port for dizzyMachine2 5556	
IP Address of AdminServer	127.0.0.1

1、导航到 domain\_name → Environment → Servers → AdminServer(admin) → Configuration → Keystores. Lock the console.

If the keystore is not already **Demo Identity and Demo Trust**, select that from the list of keystores. (这里不设置 SSL,所以选择 Demo)

- 2、修改 keystore 的配置后,需要重启 admin server.
- 3、在 Machine2 创建 nodemanager.hosts file

路径: <WEBLOGIC\_HOME>\common\nodemanager directory. 加上一行 admin server 的 IP

例如:127.0.0.1

这样 admin server 就变成被信任的主机。

3、启动 nodemanager:

Windows: startNodeManager.cmd 127.0.0.1 5556 Unix/Linux: ./startNodeManager.sh 127.0.0.1 5556

4、 按照第二部分的启动方式去启动远程 server , 可以通过 netstat -an 命令去检查是否 启动成功。

# 四、weblogic10.3 要注意的地方:

按照原来成功在 weblogic server 10.1 配置 nodemanager 的方法,在 10.3 上进行相应的配置,启动 nodemanager 之后, nodemanager 和 adminserver 都报 hostname 无法通过认证的错误提示,当然更无法通过 nodemanager 来启动 managedserver。

<Jun 9, 2009 3:43:18 PM CST> < Warning> < Security> < BEA-090482> < BAD\_CERTIFICATE</p>

alert was received from localhost - 127.0.0.1. Check the peer to determine why i
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may be required to determine the exact reason the certificate was rejected.>

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at com.certicom.io.InputSSLIOStreamWrapper.read(Unknown Source)
at sun.nio.cs.StreamDecoder.readBytes(StreamDecoder.java:264)
at sun.nio.cs.StreamDecoder.implRead(StreamDecoder.java:306)
at sun.nio.cs.StreamDecoder.read(StreamDecoder.java:158)
at java.io.InputStreamReader.read(InputStreamReader.java:167)
at java.io.BufferedReader.fill(BufferedReader.java:136)
at java.io.BufferedReader.readLine(BufferedReader.java:299)
at java.io.BufferedReader.readLine(BufferedReader.java:362)
at weblogic.nodemanager.server.Handler.run(Handler.java:66)
at java.lang.Thread.run(Thread.java:619)
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#### 解决的办法:

修改 adminserver 的 ssl 默认参数 Hostname Verification:None。之后不再提示上述错误。