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Cloning und Laufzeitüberwachung von Oracle Fusion Middleware

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Agenda

- **Wichtige Konzepte und Begriffe**
- Kopieren von Oracle Fusion Middleware
- Laufzeitüberwachung von Oracle Fusion Middleware

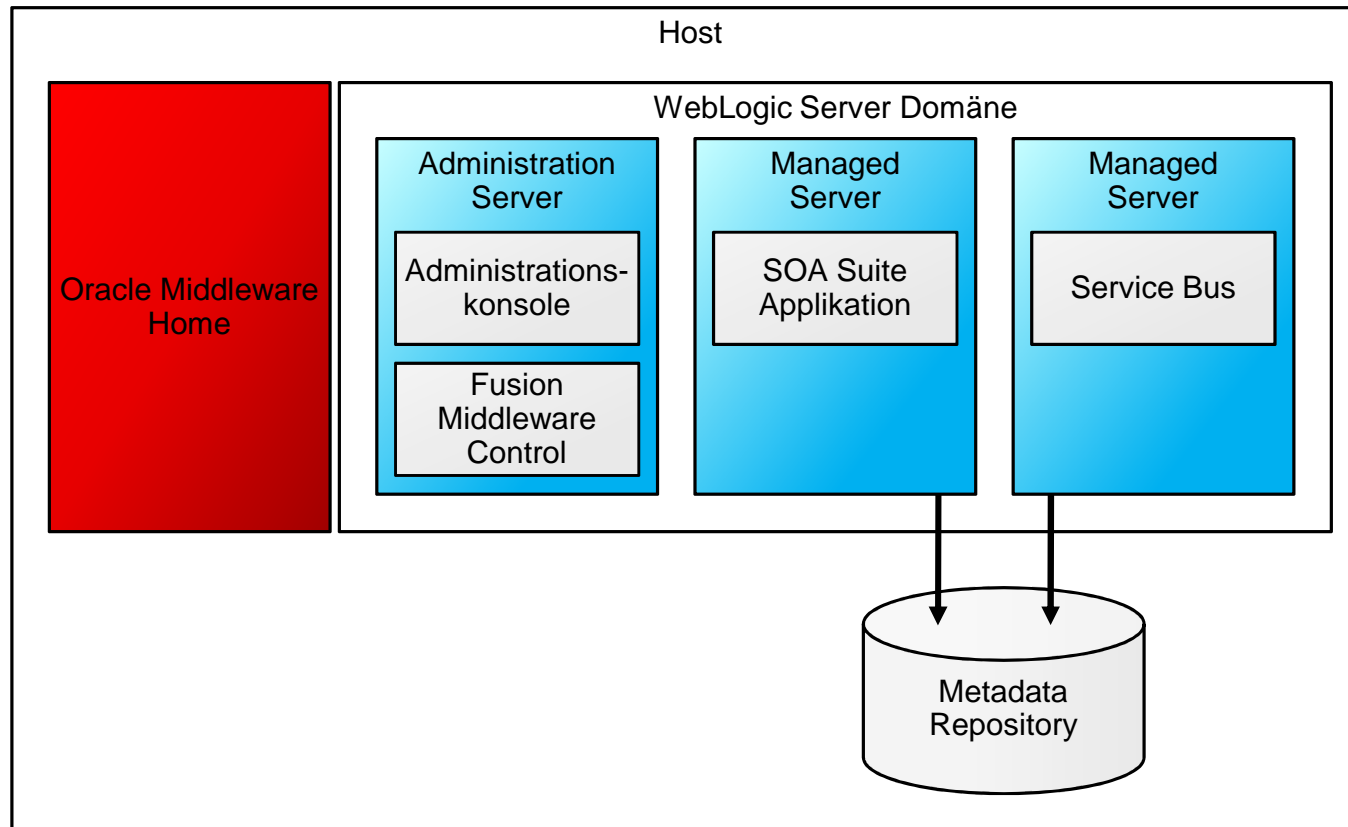


Oracle Fusion Middleware im Gesamtstack

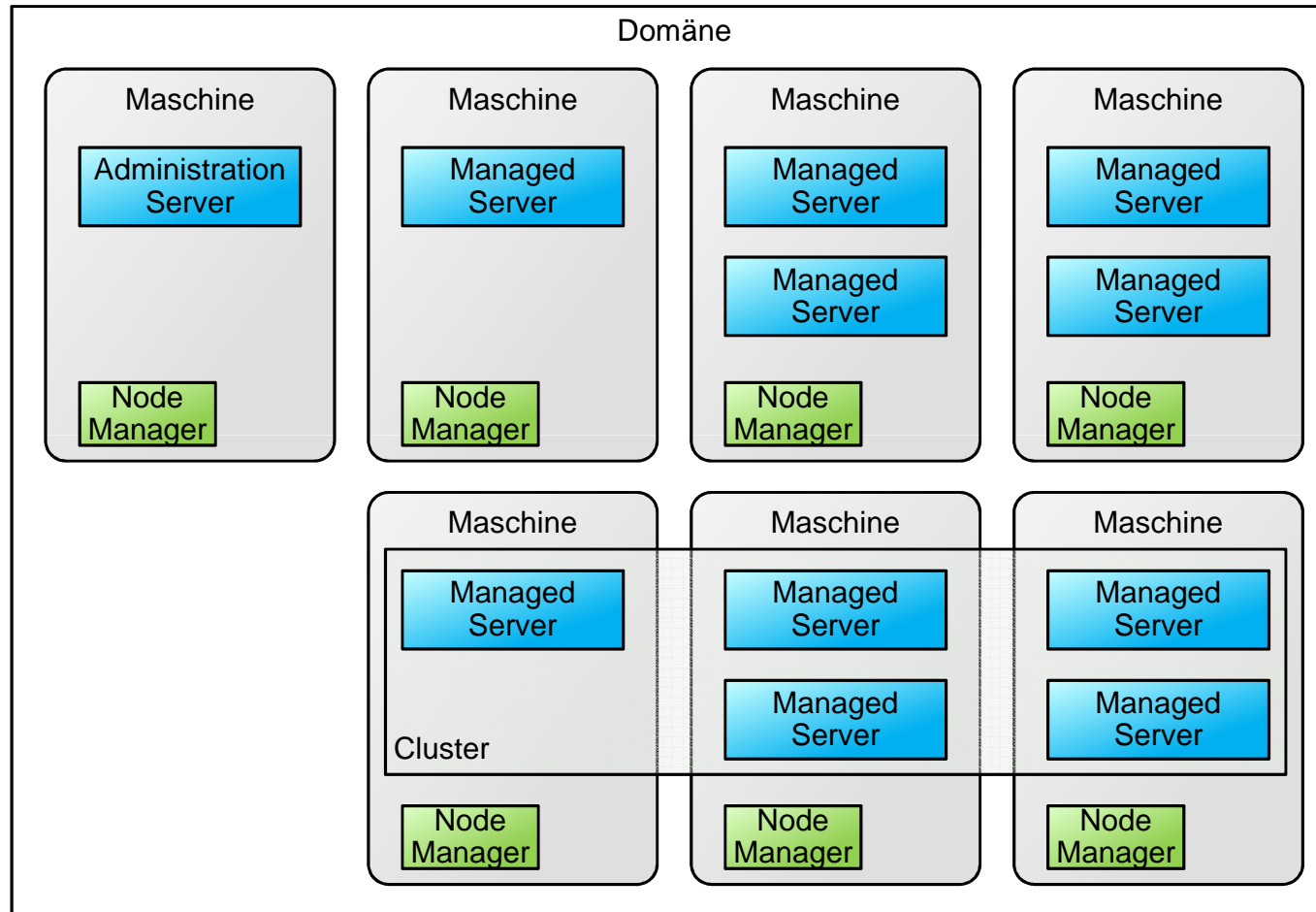


- Oracle liefert den gesamten Stack vom Speicher bis zur Applikation
- Fusion Middleware ist ein zentraler Baustein

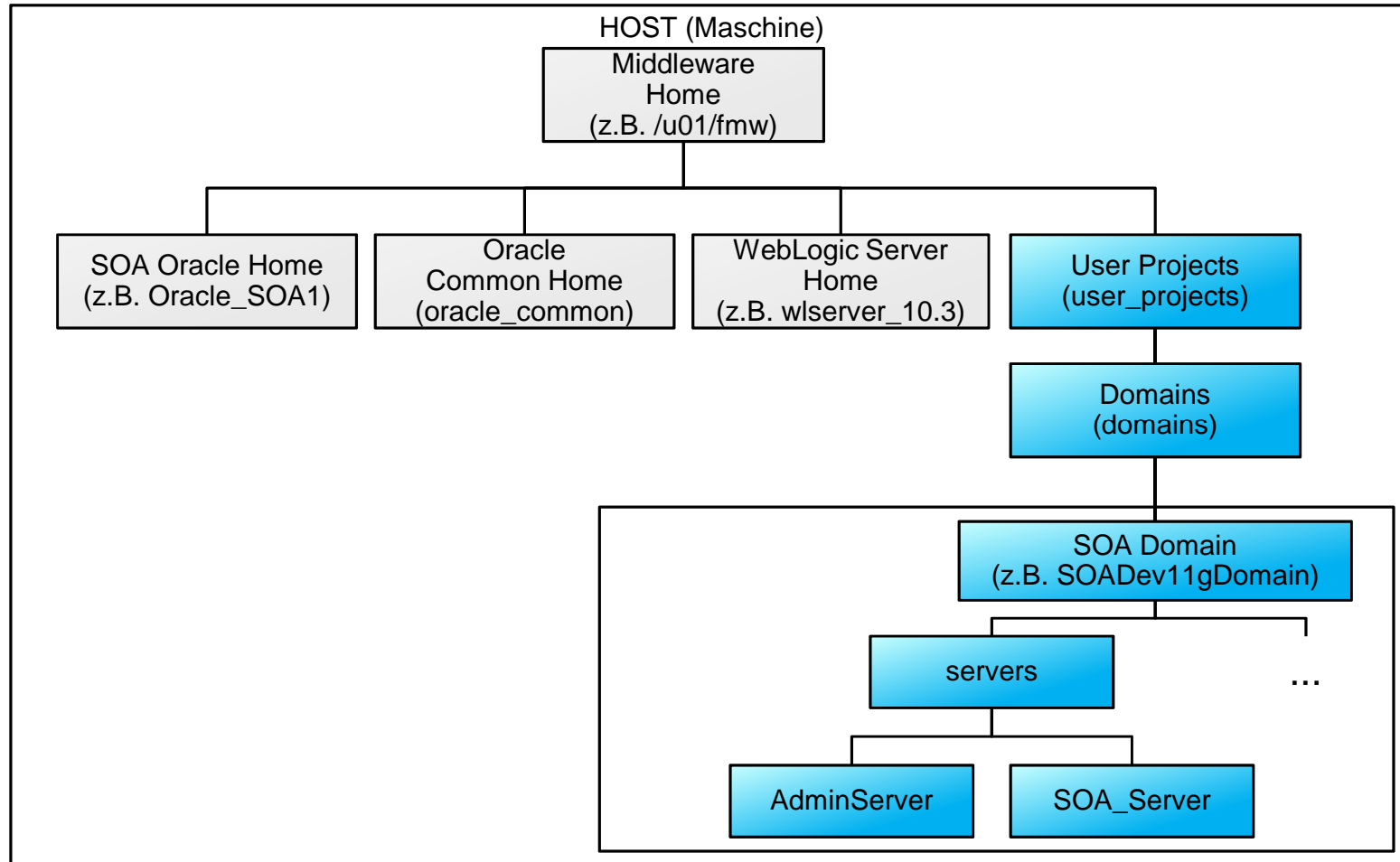
Oracle Fusion Middleware Umgebung



Oracle WebLogic Server Domäne



Vereinfachte Verzeichnisstruktur

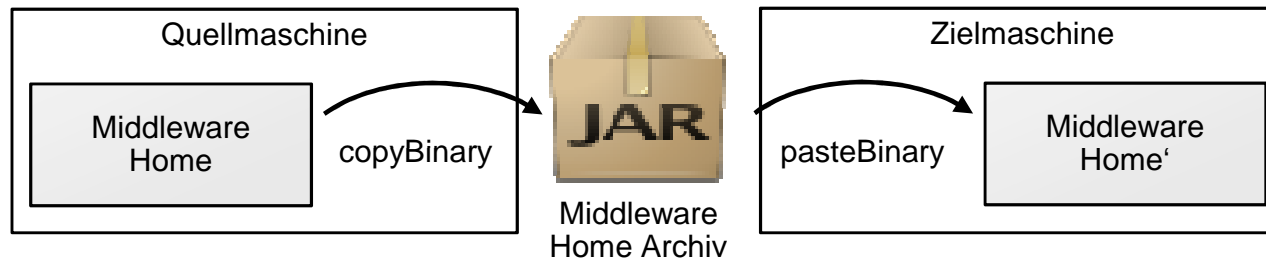


Agenda

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- Kopieren von Oracle Fusion Middleware
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Der Kopierprozess für Middleware Homes



Demo

Kopieren eines FMW Homes

```
oracle@vbox:~/doag2011
File Edit View Terminal Tabs Help
[oracle@vbox doag2011]$ copyBinary.sh -javaHome $JDK_HOME -archiveLoc /home/oracle/doag2011/fmw_clone
.jar -sourceMWHomeLoc /u01/fmw

Log File: "/tmp/CLONE2011-09-13_03-12-18PM-LOG/CLONE2011-09-13_03-12-18PM.log".
Error File: "/tmp/CLONE2011-09-13_03-12-18PM-LOG/CLONE2011-09-13_03-12-18PM.error".

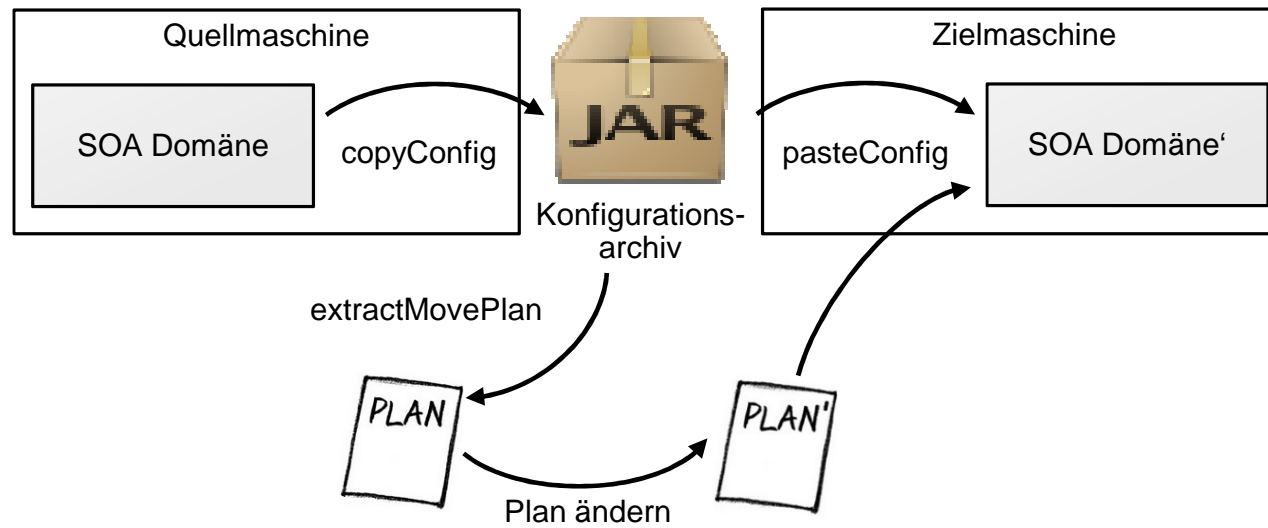
INFO : Sep 13, 2011 3:12:18 PM - CLONE-21009 The Middleware home that will be included in the archive is /u01/fmw.
INFO : Sep 13, 2011 3:12:18 PM - CLONE-21013 Trying to find Oracle home(s) present under Middleware home /u01/fmw...
INFO : Sep 13, 2011 3:12:35 PM - CLONE-21038 The archive will contain both Middleware home /u01/fmw and Oracle home(s) /u01/fmw/oracle_common,/u01/fmw/Oracle_SOA1.
INFO : Sep 13, 2011 3:12:35 PM - CLONE-21154 Checking free space availability for copyBinary operation.
INFO : Sep 13, 2011 3:12:35 PM - CLONE-21155 Required free space is available for copyBinary operation.
To proceed enter "yes", or any other text to abort:
```

```
oracle@vbox:~/doag2011
File Edit View Terminal Tabs Help
[oracle@vbox doag2011]$ pasteBinary.sh -javaHome $JDK_HOME -archiveLoc /home/oracle/doag2011/fmw_clone
.jar -targetMWHomeLoc /home/oracle/doag2011/fmw_clone

Log File: "/tmp/CLONE2011-09-13_04-07-35PM-LOG/CLONE2011-09-13_04-07-35PM.log".
Error File: "/tmp/CLONE2011-09-13_04-07-35PM-LOG/CLONE2011-09-13_04-07-35PM.error".

INFO : Sep 13, 2011 4:07:35 PM - CLONE-21012 The archive will be restored fully at /home/oracle/doag2011/fmw_clone.
INFO : Sep 13, 2011 4:07:35 PM - CLONE-21104 The number of Oracle home(s) and Middleware home present in the archive is 2 and 1 respectively.
█
```

Der Kopierprozess für Java Komponenten



Demo

Kopieren von Java Komponenten

```
oracle@vbox:~/doag2011
File Edit View Terminal Tabs Help
[oracle@vbox doag2011]$ copyConfig.sh -javaHome $JDK_HOME -archiveLoc /home/oracle/doag2011/bpm1lgdomain.jar -sourceDomainLoc /u01/fmw/user_projects/domains/BPM1lgDomain -sourceMWHomeLoc /u01/fmw/ -domainHostName vbox -domainPortNum 7001 -domainAdminUserName weblogic -domainAdminPassword /home/oracle/doag2011/pwd.txt

Log File: "/tmp/CLONE2011-09-13_05-09-40PM-LOG/CLONE2011-09-13_05-09-40PM.log".
Error File: "/tmp/CLONE2011-09-13_05-09-40PM-LOG/CLONE2011-09-13_05-09-40PM.error".

To proceed enter "yes", or any other text to abort:yes
INFO : Sep 13, 2011 5:09:45 PM - CLONE-21095 Create archive for J2EECOMPONENT@BPM1lgDomain started
...
INFO : Sep 13, 2011 5:09:45 PM - CLONE-23270 Connecting to domain runtime...
INFO : Sep 13, 2011 5:09:45 PM - CLONE-23271 Trying to connect to vbox:7001...
█
```

```
oracle@vbox:~/doag2011
File Edit View Terminal Tabs Help
[oracle@vbox doag2011]$ extractMovePlan.sh -javaHome $JDK_HOME -archiveLoc /home/oracle/doag2011/bpm1lgdomain.jar -planDirLoc /home/oracle/doag2011/plans

Log File: "/tmp/CLONE2011-09-13_06-16-59PM-LOG/CLONE2011-09-13_06-16-59PM.log".
Error File: "/tmp/CLONE2011-09-13_06-16-59PM-LOG/CLONE2011-09-13_06-16-59PM.error".

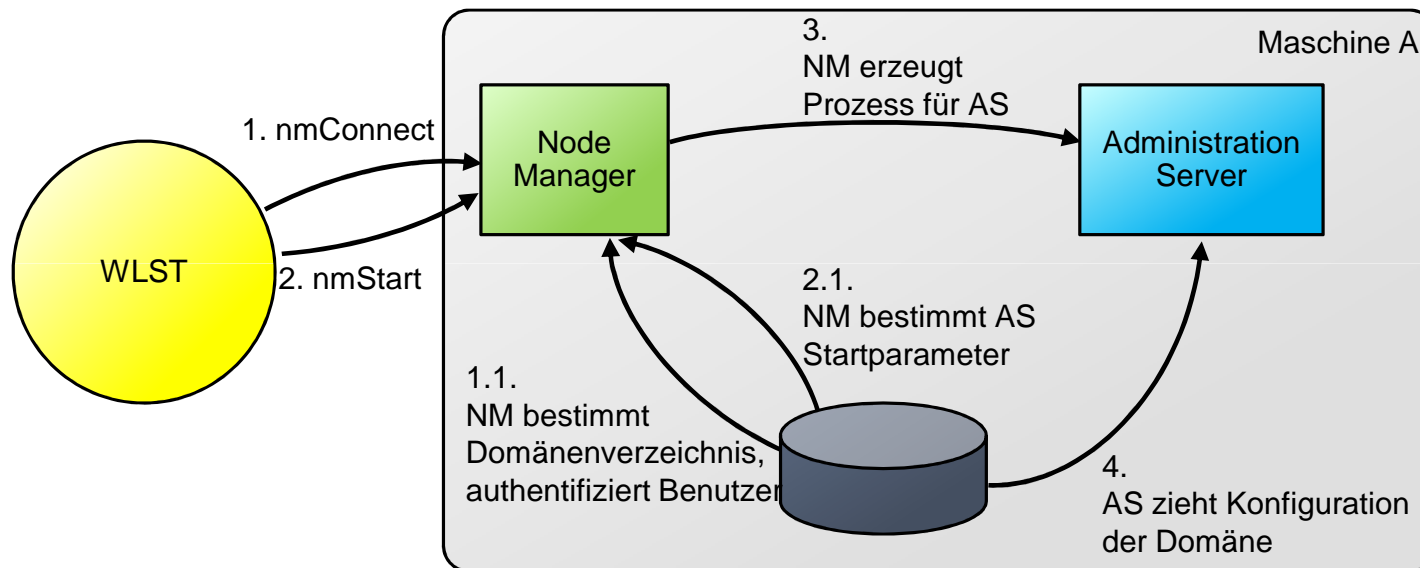
INFO : Sep 13, 2011 6:16:59 PM - CLONE-23300 Configplans have been extracted at "/home/oracle/doag2011/plans".
INFO : Sep 13, 2011 6:16:59 PM - CLONE-23301 ExtractMovePlan operation completed successfully.
[oracle@vbox doag2011]$ █
```

Agenda

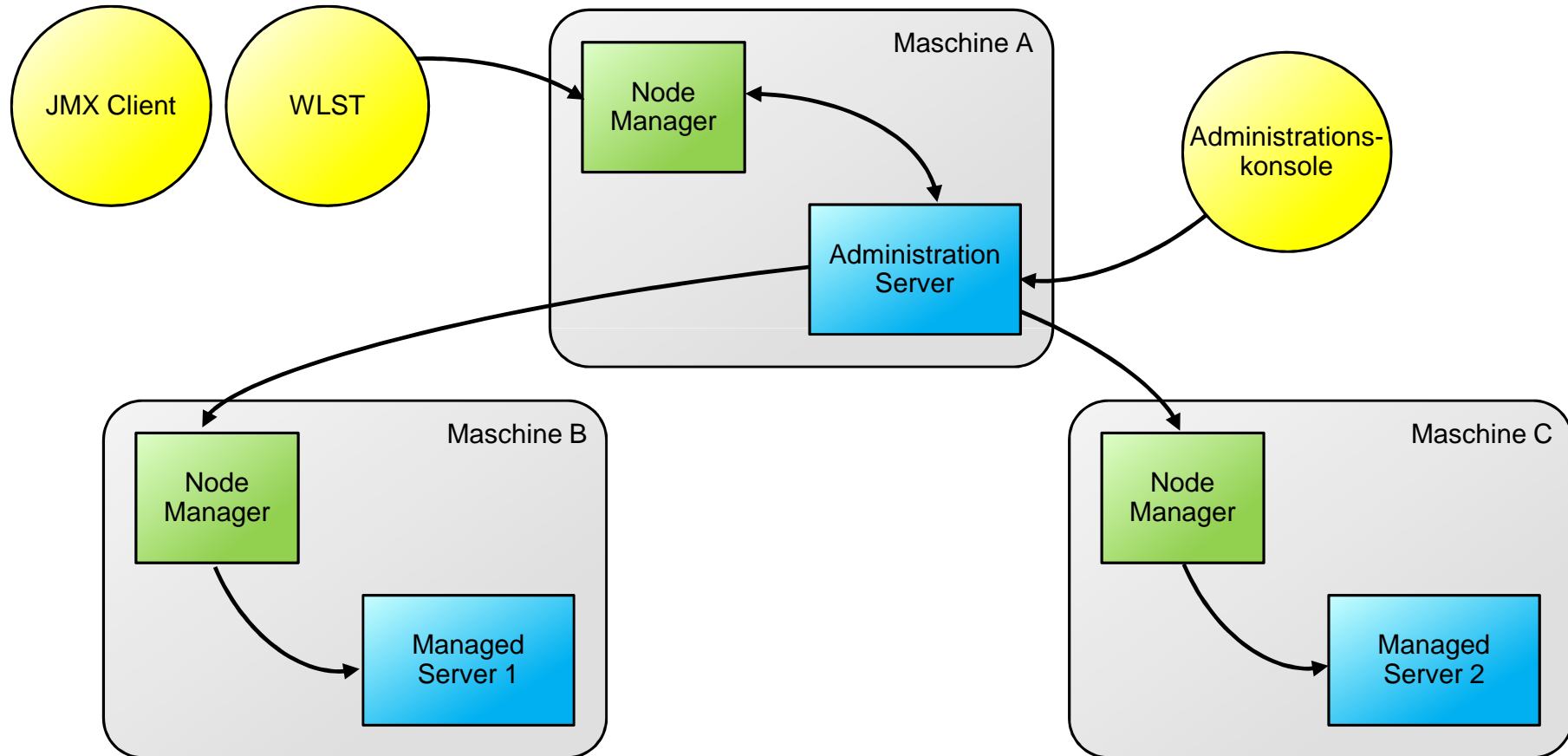
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Node Manager startet Admin Server



Node Manager in der WebLogic Server Umgebung



Demo

Start und Restart eines Managed Servers

The image shows a screenshot of the Oracle WebLogic Server Administration Console in a Firefox browser window. The console displays the 'Summary of Servers' page for the 'BPM11gDomain'. The 'Control' tab is active, showing a table of servers. The table has columns for 'Server', 'Machine', 'State', and 'Status of Last Action'. Three servers are listed: 'AdminServer(admin)' (RUNNING), 'managed_01' (SHUTDOWN), 'managed_02' (SHUTDOWN), and 'managed_03' (SHUTDOWN). The 'Start' button is highlighted with a mouse cursor. To the right, a terminal window shows the execution of 'ps aux | grep weblogic' and 'kill -9 31040' commands.

Summary of Servers

Server	Machine	State	Status of Last Action
<input type="checkbox"/> AdminServer(admin)		RUNNING	None
<input checked="" type="checkbox"/> managed_01		SHUTDOWN	None
<input checked="" type="checkbox"/> managed_02		SHUTDOWN	None
<input checked="" type="checkbox"/> managed_03		SHUTDOWN	None

Questions



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