



CUSTOMER EXPERIENCE  
+ ENGAGEMENT TEAM

# HealthCheck Jboss EAP Standalone Mode

preparado para - Customer Name

Robson Watt <robson@redhat.com>

Versión 1.0.0

## Tabla de contenidos

1. Versiones .....	1
2. Prefacio .....	2
2.1. Confidencialidad, Copyright y responsabilidad .....	2
2.2. Acerca de este documento .....	2
2.3. Audiencia .....	2
2.4. Terminología .....	2
3. Arquitectura de despliegue .....	3
4. Análisis del cumplimiento .....	4
4.1. Conclusión .....	4
4.2. Puntos de mejoras por capa y nodo .....	4
4.3. Producto: eap .....	4
5. Anexo: Datos obtenidos .....	6
5.1. Grupo: servidores .....	6
5.1.1. TASK: Usuario JBOSS .....	6
5.1.2. TASK: Disco Asignado .....	6
5.1.3. TASK: Cantidad Cores .....	6
5.1.4. TASK: Cantidad Ram .....	7
5.1.5. TASK: Ulimits .....	7
5.1.6. TASK: Reglas IPTABLES .....	7
5.1.7. TASK: chkconfig iptables .....	8
5.1.8. TASK: Interfaces de red: ifconfig .....	8
5.1.9. TASK: Java Version .....	9
5.1.10. TASK: chkconfig .....	10
5.1.11. TASK: Parametros JVM: Xms .....	10
5.1.12. TASK: Parametros JVM: Xmx .....	10
5.1.13. TASK: Parametros JVM: XX:MaxPermSize .....	10
5.1.14. TASK: ps -fea   grep jboss .....	10
5.1.15. TASK: Parametros binding IP: jboss.bind.address.management .....	11
5.1.16. TASK: Parametros binding IP: jboss.bind.address .....	11
5.1.17. TASK: Standard Socket Binding .....	11
5.1.18. TASK: LOG Rotate [[/subsystem=logging:read-resource(recursive=true)]] .....	13
5.1.19. TASK: Modules EXTRAS .....	14
5.1.20. TASK: Datasources .....	15
5.1.21. TASK: Colas JMS .....	15
5.1.22. TASK: Despliegues .....	15
5.1.23. TASK: Revisando system-properties .....	15
5.1.24. TASK: Informacion de parches .....	17

### 1. Versiones

Versión	Fecha	Autor	Cambios
1.0.0	2017-03-13	Robson Watt < <a href="mailto:robson@redhat.com">robson@redhat.com</a> >	Creación del documento

## 2. Prefacio

### 2.1. Confidencialidad, Copyright y responsabilidad

Este es un documento de orientación al cliente entre Red Hat®, Inc. y Customer Name. Copyright 2017 Red Hat, Inc. Todos los derechos reservados. Ninguna parte de la obra amparada por el derecho de autor en este documento puede ser reproducida o utilizada de ninguna forma ni por ningún medio-gráfico, electrónico o mecánico, incluyendo el fotocopiado, grabación o sistemas de almacenamiento y recuperación de información, sin permiso por escrito de Red Hat con excepción de lo que se requiere para compartir esta información según lo previsto con las partes confidenciales antes mencionados.

### 2.2. Acerca de este documento

El objetivo de este documento es el de informar los resultados de la ejecución de la certificación de la plataforma instalada en el ambiente de Producción.

### 2.3. Audiencia

Este documento está dirigido para los administradores de sistemas, arquitectos y desarrolladores de Customer Name

### 2.4. Terminología

*Tabla 1. Tabla de términos*

Término	Definición
LVS	Linux Virtual Server
EWS	Enterprise Web Server
EAP	Enterprise Application Platform
JON	JBoss Operations Network
QA	Quality assurance

3. Arquitectura de despliegue

En este apartado se describe la arquitectura actual del cliente

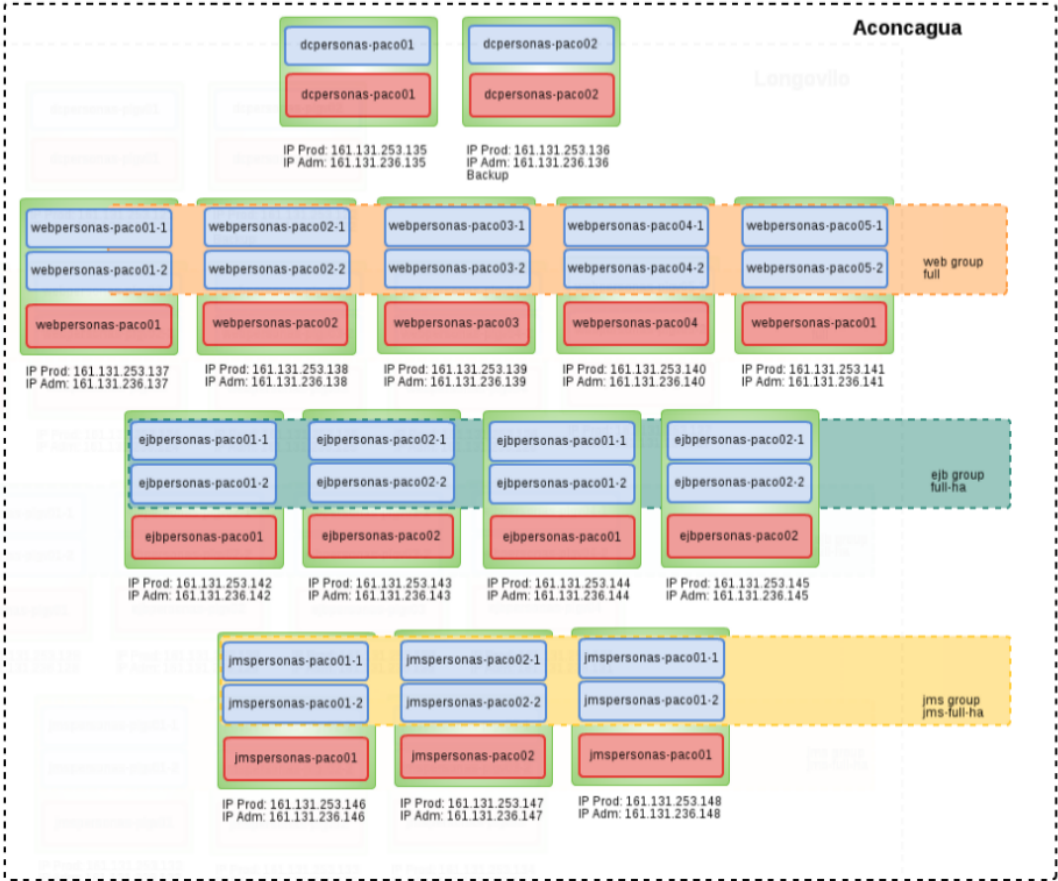


Imagen 1. Plataforma Middleware Producción

## 4. Análisis del cumplimiento

En este apartado se entregará un análisis simple del resultado del cumplimiento

### 4.1. Conclusión

















En este apartado se entregará una conclusión simple del resultado del cumplimiento]

### 4.2. Puntos de mejoras por capa y nodo














En caso de requerir se entregará en este apartado se entregará un listado de puntos de mejora

### 4.3. Producto: eap

Tabla 2. Checklist eap

#	Res	Aspecto	Comentario
1		Usuario JBOSS	Se verifica que el usuario JBOSS exista en el sistema operativo
2		Disco Asignado	Se verifica que el disco donde está instalado el OPT sea una LVM
3		Cantidad Cores	Se verifica que tenga minimo 2 cores
4		Cantidad Ram	Se verifica que tenga minimo 4 GBs de RAM
5		Ulimits	Se verifica que el parametros ----- tenga un mínimo de ----- para el usuario JBOSS
6		Reglas IPTABLES	Se verifica que esté aceptando peticiones solo para los puertos de JBOSS
7		chkconfig iptables	Se verifica que el servicio esté activo para los niveles 3, 4 y 5
8		Interfaces de red: ifconfig	Se comprueba que exista una IP asignada
9		Java Version	Se verifica que la versión de java sea 1.7 o 1.8
10		Installed JDK	Se verifica que la instalación de java sea un JDK
11		Installed JDK devel	Se verifica que la instalación java tenga los paquetes de desarrollo
12		Verificando Carpeta del product en /opt/jboss-eap-6.4	Se verifica que el producto esté instalado en /opt
13		chkconfig	Se verifica que el servicio esté activo para los niveles 3, 4 y 5
14		Parametros JVM: Xms	Se verifica una asignación del parámetro acorde a la RAM del servidor
15		Parametros JVM: Xmx	Se verifica una asignación del parámetro acorde a la RAM del servidor
16		Parametros JVM: XX:MaxPermSize	Se verifica una asignación del parámetro acorde a la RAM del servidor

## Customer Experience & Engagement

#	Res	Aspecto	Comentario
17		ps -fea   grep jboss	Se verifica que el proceso pertenezca al usuario JBOSS
18		Parametros binding IP: jboss.bind.address.management	Se verifica que el parámetro contenga la IP asignada
19		Parametros binding IP: jboss.bind.address	Se verifica que el parámetro contenga la IP asignada
20		HA: JGroups	Se verifica la configuración para determinar el modo de clusterización
21		Modcluster	Se verifica la configuración para determinar el modo de clusterización
22		Standard Socket Binding	Se verifica la configuración para hacer pareo con IP TABLES
23		LOG Rotate [[/subsystem=logging:read-resource(recursive=true)]]	Se verifica que exista una rotación de logs controlada
24		Modules EXTRAS	Se verifica la inclusión de módulos extas
25		Datasources	Se verifica la configuración de datasources agregados a la plataforma
26		Colas JMS	Se verifica la configuración para determinar el modo de clusterización de las colas JMS
27		Despliegues	Se verifican los despliegues realizados
28		Revisando system-properties	Se verifica la configuración de las propiedades de sistema
29		Informacion de parches	Se verifica que los parches esté al día con los publicados en el portal de clientes

### 5. Anexo: Datos obtenidos

#### 5.1. Grupo: servidores

##### 5.1.1. TASK: Usuario JBOSS

*Servidor de Ejecución 1. 192.168.0.69*

```
$ id jboss
id: jboss: no such user
```

##### 5.1.2. TASK: Disco Asignado

*Servidor de Ejecución 2. 192.168.0.69*

```
$ df -h
Filesystem                Size      Used Avail Use% Mounted on
devtmpfs                  7.7G         0  7.7G   0% /dev
tmpfs                     7.7G    283M   7.4G   4% /dev/shm
tmpfs                     7.7G    1.6M   7.7G   1% /run
tmpfs                     7.7G         0  7.7G   0% /sys/fs/cgroup
/dev/mapper/fedora_bandurria-root 50G    7.7G   39G  17% /
tmpfs                     7.7G    78M   7.6G   1% /tmp
/dev/sda1                 477M    165M   283M  37% /boot
/dev/mapper/fedora_bandurria-var 20G    9.7G   9.0G  52% /var
/dev/mapper/fedora_bandurria-home 493G   201G   267G  43% /home
tmpfs                     1.6G    12K   1.6G   1% /run/user/42
tmpfs                     1.6G    60K   1.6G   1% /run/user/1000
tmpfs                     1.6G         0  1.6G   0% /run/user/0
```

##### 5.1.3. TASK: Cantidad Cores

*Servidor de Ejecución 3. 192.168.0.69*

```
$ lscpu
Architecture:          x86_64
CPU op-mode(s):        32-bit, 64-bit
Byte Order:            Little Endian
CPU(s):                 8
On-line CPU(s) list:   0-7
Thread(s) per core:    2
Core(s) per socket:    4
Socket(s):              1
NUMA node(s):          1
Vendor ID:              GenuineIntel
CPU family:             6
Model:                  60
Model name:             Intel(R) Core(TM) i7-4910MQ CPU @ 2.90GHz
Stepping:               3
CPU MHz:                1550.027
CPU max MHz:            3900.0000
CPU min MHz:            800.0000
BogoMIPS:                5786.69
Virtualization:         VT-x
L1d cache:              32K
L1i cache:              32K
L2 cache:               256K
L3 cache:               8192K
NUMA node0 CPU(s):     0-7
```



### 5.1.4. TASK: Cantidad Ram

Servidor de Ejecución 4. 192.168.0.69

```
$ free
              total        used        free      shared  buff/cache   available
Mem:      16053936    7229620    3296000      915924     5528316     7579224
Swap:      4190204         932     4189272
```

### 5.1.5. TASK: Ulimits

Servidor de Ejecución 5. 192.168.0.69

```
$ bash -c 'ulimit -aHS'
core file size          (blocks, -c) 0
data seg size           (kbytes, -d) unlimited
scheduling priority     (-e) 0
file size               (blocks, -f) unlimited
pending signals         (-i) 62622
max locked memory       (kbytes, -l) 64
max memory size         (kbytes, -m) unlimited
open files              (-n) 1024
pipe size               (512 bytes, -p) 8
POSIX message queues    (bytes, -q) 819200
real-time priority      (-r) 0
stack size              (kbytes, -s) 8192
cpu time                (seconds, -t) unlimited
max user processes      (-u) 62622
virtual memory          (kbytes, -v) unlimited
file locks              (-x) unlimited
```

### 5.1.6. TASK: Reglas IPTABLES

Servidor de Ejecución 6. 192.168.0.69

```
$ bash -c 'iptables -S'
-P INPUT ACCEPT
-P FORWARD ACCEPT
-P OUTPUT ACCEPT
-N FORWARD_IN_ZONES
-N FORWARD_IN_ZONES_SOURCE
-N FORWARD_OUT_ZONES
-N FORWARD_OUT_ZONES_SOURCE
-N FORWARD_direct
-N FWDI_FedoraWorkstation
-N FWDI_FedoraWorkstation_allow
-N FWDI_FedoraWorkstation_deny
-N FWDI_FedoraWorkstation_log
-N FWDO_FedoraWorkstation
-N FWDO_FedoraWorkstation_allow
-N FWDO_FedoraWorkstation_deny
-N FWDO_FedoraWorkstation_log
-N INPUT_ZONES
-N INPUT_ZONES_SOURCE
-N INPUT_direct
-N IN_FedoraWorkstation
-N IN_FedoraWorkstation_allow
-N IN_FedoraWorkstation_deny
-N IN_FedoraWorkstation_log
-N OUTPUT_direct
-A INPUT -i virbr0 -p udp -m udp --dport 53 -j ACCEPT
-A INPUT -i virbr0 -p tcp -m tcp --dport 53 -j ACCEPT
-A INPUT -i virbr0 -p udp -m udp --dport 67 -j ACCEPT
-A INPUT -i virbr0 -p tcp -m tcp --dport 67 -j ACCEPT
-A INPUT -m conntrack --ctstate RELATED,ESTABLISHED -j ACCEPT
```

```
-A INPUT -i lo -j ACCEPT
-A INPUT -j INPUT_direct
-A INPUT -j INPUT_ZONES_SOURCE
-A INPUT -j INPUT_ZONES
-A INPUT -p icmp -j ACCEPT
-A INPUT -m conntrack --ctstate INVALID -j DROP
-A INPUT -j REJECT --reject-with icmp-host-prohibited
-A FORWARD -d 192.168.122.0/24 -o virbr0 -m conntrack --ctstate RELATED,ESTABLISHED -j ACCEPT
-A FORWARD -s 192.168.122.0/24 -i virbr0 -j ACCEPT
-A FORWARD -i virbr0 -o virbr0 -j ACCEPT
-A FORWARD -o virbr0 -j REJECT --reject-with icmp-port-unreachable
-A FORWARD -i virbr0 -j REJECT --reject-with icmp-port-unreachable
-A FORWARD -m conntrack --ctstate RELATED,ESTABLISHED -j ACCEPT
-A FORWARD -i lo -j ACCEPT
-A FORWARD -j FORWARD_direct
-A FORWARD -j FORWARD_IN_ZONES_SOURCE
-A FORWARD -j FORWARD_IN_ZONES
-A FORWARD -j FORWARD_OUT_ZONES_SOURCE
-A FORWARD -j FORWARD_OUT_ZONES
-A FORWARD -p icmp -j ACCEPT
-A FORWARD -m conntrack --ctstate INVALID -j DROP
-A FORWARD -j REJECT --reject-with icmp-host-prohibited
-A OUTPUT -o virbr0 -p udp -m udp --dport 68 -j ACCEPT
-A OUTPUT -j OUTPUT_direct
-A FORWARD_IN_ZONES -i tun0 -g FWDI_FedoraWorkstation
-A FORWARD_IN_ZONES -i wlp3s0 -g FWDI_FedoraWorkstation
-A FORWARD_IN_ZONES -g FWDI_FedoraWorkstation
-A FORWARD_OUT_ZONES -o tun0 -g FWDO_FedoraWorkstation
-A FORWARD_OUT_ZONES -o wlp3s0 -g FWDO_FedoraWorkstation
-A FORWARD_OUT_ZONES -g FWDO_FedoraWorkstation
-A FWDI_FedoraWorkstation -j FWDI_FedoraWorkstation_log
-A FWDI_FedoraWorkstation -j FWDI_FedoraWorkstation_deny
-A FWDI_FedoraWorkstation -j FWDI_FedoraWorkstation_allow
-A FWDO_FedoraWorkstation -j FWDO_FedoraWorkstation_log
-A FWDO_FedoraWorkstation -j FWDO_FedoraWorkstation_deny
-A FWDO_FedoraWorkstation -j FWDO_FedoraWorkstation_allow
-A INPUT_ZONES -i tun0 -g IN_FedoraWorkstation
-A INPUT_ZONES -i wlp3s0 -g IN_FedoraWorkstation
-A INPUT_ZONES -g IN_FedoraWorkstation
-A IN_FedoraWorkstation -j IN_FedoraWorkstation_log
-A IN_FedoraWorkstation -j IN_FedoraWorkstation_deny
-A IN_FedoraWorkstation -j IN_FedoraWorkstation_allow
-A IN_FedoraWorkstation_allow -d 224.0.0.251/32 -p udp -m udp --dport 5353 -m conntrack --ctstate NEW -j ACCEPT
-A IN_FedoraWorkstation_allow -p udp -m udp --dport 137 -m conntrack --ctstate NEW -j ACCEPT
-A IN_FedoraWorkstation_allow -p udp -m udp --dport 138 -m conntrack --ctstate NEW -j ACCEPT
-A IN_FedoraWorkstation_allow -p tcp -m tcp --dport 22 -m conntrack --ctstate NEW -j ACCEPT
-A IN_FedoraWorkstation_allow -p udp -m udp --dport 1025:65535 -m conntrack --ctstate NEW -j ACCEPT
-A IN_FedoraWorkstation_allow -p tcp -m tcp --dport 1025:65535 -m conntrack --ctstate NEW -j ACCEPT
```

### 5.1.7. TASK: chkconfig iptables

*Servidor de Ejecución 7. 192.168.0.69*

```
$ bash -c 'chkconfig --list | grep iptables'
```

Note: This output shows SysV services only and does not include native systemd services. SysV configuration data might be overridden by native systemd configuration.

If you want to list systemd services use 'systemctl list-unit-files'.  
To see services enabled on particular target use  
'systemctl list-dependencies [target]'.

### 5.1.8. TASK: Interfaces de red: ifconfig

## Servidor de Ejecución 8. 192.168.0.69

```

$ bash -c 'ifconfig'
enp0s25: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether 54:ee:75:52:b2:04 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 20 memory 0xb4a00000-b4a20000

enp0s25:1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 192.168.0.69 netmask 255.255.255.0 broadcast 192.168.0.255
    ether 54:ee:75:52:b2:04 txqueuelen 1000 (Ethernet)
    device interrupt 20 memory 0xb4a00000-b4a20000

enp0s25:2: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 192.168.0.70 netmask 255.255.255.0 broadcast 192.168.0.255
    ether 54:ee:75:52:b2:04 txqueuelen 1000 (Ethernet)
    device interrupt 20 memory 0xb4a00000-b4a20000

enp0s25:3: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 192.168.0.71 netmask 255.255.255.0 broadcast 192.168.0.255
    ether 54:ee:75:52:b2:04 txqueuelen 1000 (Ethernet)
    device interrupt 20 memory 0xb4a00000-b4a20000

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1 (Local Loopback)
    RX packets 168307 bytes 26084141 (24.8 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 168307 bytes 26084141 (24.8 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

tun0: flags=4305<UP,POINTOPOINT,RUNNING,NOARP,MULTICAST> mtu 1360
    inet 10.97.116.13 netmask 255.255.252.0 destination 10.97.116.13
    unspec 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00 txqueuelen 100 (UNSPEC)
    RX packets 19220 bytes 9768122 (9.3 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 19906 bytes 1551354 (1.4 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

virbr0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 192.168.122.1 netmask 255.255.255.0 broadcast 192.168.122.255
    ether 52:54:00:57:af:8a txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlp3s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.216.33.64 netmask 255.255.255.0 broadcast 10.216.33.255
    inet6 fe80::ce3d:82ff:fee9:2c85 prefixlen 64 scopeid 0x20<link>
    ether cc:3d:82:e9:2c:85 txqueuelen 1000 (Ethernet)
    RX packets 2315970 bytes 1693171630 (1.5 GiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1213407 bytes 271035352 (258.4 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

```

## 5.1.9. TASK: Java Version

*Servidor de Ejecución 9. 192.168.0.69*

```
$ java -version
openjdk version "1.8.0_91"
OpenJDK Runtime Environment (build 1.8.0_91-b14)
OpenJDK 64-Bit Server VM (build 25.91-b14, mixed mode)
```

### 5.1.10. TASK: chkconfig

*Servidor de Ejecución 10. 192.168.0.69*

```
$ bash -c 'chkconfig --list | grep jboss-eap'
```

Note: This output shows SysV services only and does not include native systemd services. SysV configuration data might be overridden by native systemd configuration.

If you want to list systemd services use 'systemctl list-unit-files'.  
To see services enabled on particular target use  
'systemctl list-dependencies [target]'.

### 5.1.11. TASK: Parametros JVM: Xms

*Servidor de Ejecución 11. 192.168.0.69*

```
$ bash -c 'cat /opt/EAP-Ansible-POC/standalone/bin/standalone.conf |grep Xms'
JAVA_OPTS="-Xms1303m -Xmx1303m -XX:MaxPermSize=256m -Djava.net.preferIPv4Stack=true"
```

### 5.1.12. TASK: Parametros JVM: Xmx

*Servidor de Ejecución 12. 192.168.0.69*

```
$ bash -c 'cat /opt/EAP-Ansible-POC/standalone/bin/standalone.conf |grep Xmx'
JAVA_OPTS="-Xms1303m -Xmx1303m -XX:MaxPermSize=256m -Djava.net.preferIPv4Stack=true"
```

### 5.1.13. TASK: Parametros JVM: XX:MaxPermSize

*Servidor de Ejecución 13. 192.168.0.69*

```
$ bash -c 'cat /opt/EAP-Ansible-POC/standalone/bin/standalone.conf |grep XX:MaxPermSize'
JAVA_OPTS="-Xms1303m -Xmx1303m -XX:MaxPermSize=256m -Djava.net.preferIPv4Stack=true"
```

### 5.1.14. TASK: ps -fea | grep jboss

## Servidor de Ejecución 14. 192.168.0.69

```
$ bash -c 'ps -fea|grep jboss'
rwattcha 5067 1862 0 16:34 pts/2 00:00:00 /bin/sh ./jboss-cli.sh -c controller=192.168.0.69
rwattcha 5074 5067 2 16:34 pts/2 00:00:02 /usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/bin/java
-Djboss.modules.system.pkgs=com.sun.java.swing -Dlogging.configuration=file:/opt/EAP-Ansible-POC/standalone/bin/jboss-cli-
logging.properties -jar /opt/EAP-Ansible-POC/standalone/jboss-modules.jar -mp /opt/EAP-Ansible-POC/standalone/modules org.jboss.as.cli -c
controller=192.168.0.69
root 7124 7121 0 16:36 pts/6 00:00:00 bash -c ps -fea|grep jboss
root 7126 7124 0 16:36 pts/6 00:00:00 grep jboss
rwattcha 20625 14632 0 10:38 pts/1 00:00:00 /bin/sh /opt/EAP-Ansible-POC/domainController/bin/jboss-cli.sh -c controller=
192.168.0.69:9999 --command=/host=hostController1:read-children-names(child-type=server)
rwattcha 30971 30865 2 16:25 pts/2 00:00:20 /usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/bin/java -D[Standalone] -server
-XX:+UseCompressedOops -verbose:gc -Xloggc:/opt/EAP-Ansible-POC/standalone/standalone/log/gc.log -XX:+PrintGCDetails
-XX:+PrintGCDateStamps -XX:+UseGCLogFileRotation -XX:NumberOfGCLogFiles=5 -XX:GCLogFileSize=3M -XX:-TraceClassUnloading -Xms1303m
-Xmx1303m -XX:MaxPermSize=256m -Djava.net.preferIPv4Stack=true -Djboss.modules.system.pkgs=org.jboss.byteman -Djava.awt.headless=true
-Djboss.modules.policy-permissions=true -Djboss.bind.address.management=192.168.0.69 -Djboss.bind.address=192.168.0.69
-Dorg.jboss.boot.log.file=/opt/EAP-Ansible-POC/standalone/standalone/log/server.log -Dlogging.configuration=file:/opt/EAP-Ansible-
POC/standalone/modules -jaxpmodule javax.xml.jaxp-provider org.jboss.as.standalone -Djboss.home.dir=/opt/EAP-Ansible-POC/standalone
-Djboss.server.base.dir=/opt/EAP-Ansible-POC/standalone/standalone
```

## 5.1.15. TASK: Parametros binding IP: jboss.bind.address.management

## Servidor de Ejecución 15. 192.168.0.69

```
$ bash -c 'cat /opt/EAP-Ansible-POC/standalone/bin/standalone.conf |grep jboss.bind.address.management='
JAVA_OPTS="$JAVA_OPTS -Djboss.bind.address.management=192.168.0.69"
```

## 5.1.16. TASK: Parametros binding IP: jboss.bind.address

## Servidor de Ejecución 16. 192.168.0.69

```
$ bash -c 'cat /opt/EAP-Ansible-POC/standalone/bin/standalone.conf |grep jboss.bind.address='
JAVA_OPTS="$JAVA_OPTS -Djboss.bind.address=192.168.0.69"
```

## 5.1.17. TASK: Standard Socket Binding

## Servidor de Ejecución 17. 192.168.0.69

```
$ ./jboss-cli.sh --controller=192.168.0.69:9999 -c --command="/socket-binding-group=standard-sockets:read-resource(recursive=true)"
{
  "outcome" => "success",
  "result" => {
    "default-interface" => "public",
    "name" => "standard-sockets",
    "port-offset" => expression "${jboss.socket.binding.port-offset:0}",
    "local-destination-outbound-socket-binding" => undefined,
    "remote-destination-outbound-socket-binding" => {"mail-smtp" => {
      "fixed-source-port" => false,
      "host" => "localhost",
      "port" => 25,
      "source-interface" => undefined,
      "source-port" => undefined
    }},
    "socket-binding" => {
      "management-native" => {
        "client-mappings" => undefined,
        "fixed-port" => false,
        "interface" => "management",
        "multicast-address" => undefined,
        "multicast-port" => undefined,
        "name" => "management-native",
```

```
    "port" => expression "${jboss.management.native.port:9999}"
  },
  "management-http" => {
    "client-mappings" => undefined,
    "fixed-port" => false,
    "interface" => "management",
    "multicast-address" => undefined,
    "multicast-port" => undefined,
    "name" => "management-http",
    "port" => expression "${jboss.management.http.port:9990}"
  },
  "management-https" => {
    "client-mappings" => undefined,
    "fixed-port" => false,
    "interface" => "management",
    "multicast-address" => undefined,
    "multicast-port" => undefined,
    "name" => "management-https",
    "port" => expression "${jboss.management.https.port:9443}"
  },
  "ajp" => {
    "client-mappings" => undefined,
    "fixed-port" => false,
    "interface" => undefined,
    "multicast-address" => undefined,
    "multicast-port" => undefined,
    "name" => "ajp",
    "port" => 8009
  },
  "http" => {
    "client-mappings" => undefined,
    "fixed-port" => false,
    "interface" => undefined,
    "multicast-address" => undefined,
    "multicast-port" => undefined,
    "name" => "http",
    "port" => 8080
  },
  "https" => {
    "client-mappings" => undefined,
    "fixed-port" => false,
    "interface" => undefined,
    "multicast-address" => undefined,
    "multicast-port" => undefined,
    "name" => "https",
    "port" => 8443
  },
  "remoting" => {
    "client-mappings" => undefined,
    "fixed-port" => false,
    "interface" => undefined,
    "multicast-address" => undefined,
    "multicast-port" => undefined,
    "name" => "remoting",
    "port" => 4447
  },
  "txn-recovery-environment" => {
    "client-mappings" => undefined,
    "fixed-port" => false,
    "interface" => undefined,
    "multicast-address" => undefined,
    "multicast-port" => undefined,
    "name" => "txn-recovery-environment",
    "port" => 4712
  },
  "txn-status-manager" => {
    "client-mappings" => undefined,
    "fixed-port" => false,
    "interface" => undefined,
    "multicast-address" => undefined,
```

```
        "multicast-port" => undefined,
        "name" => "txn-status-manager",
        "port" => 4713
    }
}
}
```

### 5.1.18. TASK: LOG Rotate [[/subsystem=logging:read-resource(recursive=true)]]

*Servidor de Ejecución 18. 192.168.0.69*

```
$ ././jboss-cli.sh --controller=192.168.0.69:9999 -c --command="/subsystem=logging:read-resource(recursive=true)"
{
  "outcome" => "success",
  "result" => {
    "add-logging-api-dependencies" => true,
    "async-handler" => undefined,
    "console-handler" => {"CONSOLE" => {
      "autoflush" => true,
      "enabled" => true,
      "encoding" => undefined,
      "filter" => undefined,
      "filter-spec" => undefined,
      "formatter" => "%d{HH:mm:ss,SSS} %-5p [%c] (%t) %s%E%n",
      "level" => "INFO",
      "name" => "CONSOLE",
      "named-formatter" => "COLOR-PATTERN",
      "target" => "System.out"
    }},
    "custom-formatter" => undefined,
    "custom-handler" => undefined,
    "file-handler" => undefined,
    "log-file" => undefined,
    "logger" => {
      "com.arjuna" => {
        "category" => "com.arjuna",
        "filter" => undefined,
        "filter-spec" => undefined,
        "handlers" => undefined,
        "level" => "WARN",
        "use-parent-handlers" => true
      },
      "org.apache.tomcat.util.modeler" => {
        "category" => "org.apache.tomcat.util.modeler",
        "filter" => undefined,
        "filter-spec" => undefined,
        "handlers" => undefined,
        "level" => "WARN",
        "use-parent-handlers" => true
      },
      "org.jboss.as.config" => {
        "category" => "org.jboss.as.config",
        "filter" => undefined,
        "filter-spec" => undefined,
        "handlers" => undefined,
        "level" => "DEBUG",
        "use-parent-handlers" => true
      },
      "sun.rmi" => {
        "category" => "sun.rmi",
        "filter" => undefined,
        "filter-spec" => undefined,
        "handlers" => undefined,
        "level" => "WARN",
        "use-parent-handlers" => true
      },
      "jacob" => {
```

```
        "category" => "jacorb",
        "filter" => undefined,
        "filter-spec" => undefined,
        "handlers" => undefined,
        "level" => "WARN",
        "use-parent-handlers" => true
    },
    "jacorb.config" => {
        "category" => "jacorb.config",
        "filter" => undefined,
        "filter-spec" => undefined,
        "handlers" => undefined,
        "level" => "ERROR",
        "use-parent-handlers" => true
    }
},
"logging-profile" => undefined,
"pattern-formatter" => {
    "PATTERN" => {
        "color-map" => undefined,
        "pattern" => "%d{HH:mm:ss,SSS} %-5p [%c] (%t) %s%E%n"
    },
    "COLOR-PATTERN" => {
        "color-map" => undefined,
        "pattern" => "%K{level}%d{HH:mm:ss,SSS} %-5p [%c] (%t) %s%E%n"
    }
},
"periodic-rotating-file-handler" => {"FILE" => {
    "append" => true,
    "autoflush" => true,
    "enabled" => true,
    "encoding" => undefined,
    "file" => {
        "relative-to" => "jboss.server.log.dir",
        "path" => "server.log"
    },
    "filter" => undefined,
    "filter-spec" => undefined,
    "formatter" => "%d{HH:mm:ss,SSS} %-5p [%c] (%t) %s%E%n",
    "level" => "ALL",
    "name" => "FILE",
    "named-formatter" => "PATTERN",
    "suffix" => ".yyyy-MM-dd"
}},
"periodic-size-rotating-file-handler" => undefined,
"root-logger" => {"ROOT" => {
    "filter" => undefined,
    "filter-spec" => undefined,
    "handlers" => [
        "CONSOLE",
        "FILE"
    ],
    "level" => "INFO"
}},
"size-rotating-file-handler" => undefined,
"syslog-handler" => undefined
}
```

### 5.1.19. TASK: Modules EXTRAS

*Servidor de Ejecución 19. 192.168.0.69*

```
$ find /opt/EAP-Ansible-POC/standalone/modules -mindepth 2 -maxdepth 3 -type d
/opt/EAP-Ansible-POC/standalone/modules/system/layers
/opt/EAP-Ansible-POC/standalone/modules/system/layers/base
```



### 5.1.20. TASK: Datasources

*Servidor de Ejecución 20. 192.168.0.69*

```
$ ././jboss-cli.sh --controller=192.168.0.69:9999 -c --command="/subsystem=datasources:read-children-names(child-type=data-source)/subsystem=datasources:read-children-names(child-type=data-source)"
{
  "outcome" => "success",
  "result" => ["ExampleDS"]
}
```

### 5.1.21. TASK: Colas JMS

*Servidor de Ejecución 21. 192.168.0.69*

```
$ ././jboss-cli.sh --controller=192.168.0.69:9999 -c --command="/subsystem=messaging:read-resource(recursive=true)"
Failed to get the list of the operation properties: "JBAS014883: No resource definition is registered for address [(<"subsystem" => "messaging")]"
```

### 5.1.22. TASK: Despliegues

*Servidor de Ejecución 22. 192.168.0.69*

```
$ ././jboss-cli.sh --controller=192.168.0.69:9999 -c --command="deployment-info"
```

### 5.1.23. TASK: Revisando system-properties

*Servidor de Ejecución 23. 192.168.0.69*

```
$ ././jboss-cli.sh --controller=192.168.0.69:9999 -c --command="/core-service=platform-mbean/type=runtime:read-attribute(name=system-properties)"
{
  "outcome" => "success",
  "result" => {
    "[Standalone]" => "",
    "awt.toolkit" => "sun.awt.X11.XToolkit",
    "catalina.home" => "/opt/EAP-Ansible-POC/standalone/standalone/tmp",
    "file.encoding" => "UTF-8",
    "file.encoding.pkg" => "sun.io",
    "file.separator" => "/",
    "java.awt.graphicsenv" => "sun.awt.X11GraphicsEnvironment",
    "java.awt.headless" => "true",
    "java.awt.printerjob" => "sun.print.PSPrinterJob",
    "java.class.path" => "/opt/EAP-Ansible-POC/standalone/jboss-modules.jar",
    "java.class.version" => "52.0",
    "java.endorsed.dirs" => "/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/lib/endorsed",
    "java.ext.dirs" => "/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/lib/ext:/usr/java/packages/lib/ext",
    "java.home" => "/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre",
    "java.io.tmpdir" => "/tmp",
    "java.library.path" => "/usr/java/packages/lib/amd64:/usr/lib64:/lib64:/lib:/usr/lib",
    "java.naming.factory.url.pkgs" => "org.jboss.as.naming.interfaces:org.jboss.ejb.client.naming",
    "java.net.preferIPv4Stack" => "true",
    "java.runtime.name" => "OpenJDK Runtime Environment",
    "java.runtime.version" => "1.8.0_91-b14",
    "java.specification.name" => "Java Platform API Specification",
    "java.specification.vendor" => "Oracle Corporation",
    "java.specification.version" => "1.8",
    "java.util.logging.manager" => "org.jboss.logmanager.LogManager",
    "java.vendor" => "Oracle Corporation",
    "java.vendor.url" => "http://java.oracle.com/",
    "java.vendor.url.bug" => "http://bugreport.sun.com/bugreport/",
    "java.version" => "1.8.0_91",
    "java.vm.info" => "mixed mode",
  }
}
```

```

"java.vm.name" => "OpenJDK 64-Bit Server VM",
"java.vm.specification.name" => "Java Virtual Machine Specification",
"java.vm.specification.vendor" => "Oracle Corporation",
"java.vm.specification.version" => "1.8",
"java.vm.vendor" => "Oracle Corporation",
"java.vm.version" => "25.91-b14",
"javax.management.builder.initial" => "org.jboss.as.jmx.PluggableMBeanServerBuilder",
"javax.xml.datatype.DatatypeFactory" => "__redirected.__DatatypeFactory",
"javax.xml.parsers.DocumentBuilderFactory" => "__redirected.__DocumentBuilderFactory",
"javax.xml.parsers.SAXParserFactory" => "__redirected.__SAXParserFactory",
"javax.xml.stream.XMLEventFactory" => "__redirected.__XMLEventFactory",
"javax.xml.stream.XMLInputFactory" => "__redirected.__XMLInputFactory",
"javax.xml.stream.XMLOutputFactory" => "__redirected.__XMLOutputFactory",
"javax.xml.transform.TransformerFactory" => "__redirected.__TransformerFactory",
"javax.xml.validation.SchemaFactory:http://www.w3.org/2001/XMLSchema" => "__redirected.__SchemaFactory",
"javax.xml.xpath.XPathFactory:http://java.sun.com/jaxp/xpath/dom" => "__redirected.__XPathFactory",
"jboss.bind.address" => "192.168.0.69",
"jboss.bind.address.management" => "192.168.0.69",
"jboss.home.dir" => "/opt/EAP-Ansible-POC/standalone",
"jboss.host.name" => "bandurria",
"jboss.modules.dir" => "/opt/EAP-Ansible-POC/standalone/modules",
"jboss.modules.policy-permissions" => "true",
"jboss.modules.system.pkgs" => "org.jboss.byteman",
"jboss.node.name" => "bandurria",
"jboss.qualified.host.name" => "bandurria",
"jboss.server.base.dir" => "/opt/EAP-Ansible-POC/standalone/standalone",
"jboss.server.config.dir" => "/opt/EAP-Ansible-POC/standalone/standalone/configuration",
"jboss.server.data.dir" => "/opt/EAP-Ansible-POC/standalone/standalone/data",
"jboss.server.deploy.dir" => "/opt/EAP-Ansible-POC/standalone/standalone/data/content",
"jboss.server.log.dir" => "/opt/EAP-Ansible-POC/standalone/standalone/log",
"jboss.server.name" => "bandurria",
"jboss.server.persist.config" => "true",
"jboss.server.temp.dir" => "/opt/EAP-Ansible-POC/standalone/standalone/tmp",
"line.separator" => "
",
"logging.configuration" => "file:/opt/EAP-Ansible-POC/standalone/standalone/configuration/logging.properties",
"module.path" => "/opt/EAP-Ansible-POC/standalone/modules",
"org.apache.xml.security.ignoreLineBreaks" => "true",
"org.jboss.boot.log.file" => "/opt/EAP-Ansible-POC/standalone/standalone/log/server.log",
"org.jboss.resolver.warning" => "true",
"org.jboss.security.context.ThreadLocal" => "true",
"org.xml.sax.driver" => "__redirected.__XMLReaderFactory",
"os.arch" => "amd64",
"os.name" => "Linux",
"os.version" => "4.4.14-200.fc22.x86_64",
"path.separator" => ":",
"sun.arch.data.model" => "64",
"sun.boot.class.path" => "/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/lib/resources.jar:/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/lib/rt.jar:/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/lib/sunrsasign.jar:/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/lib/jsse.jar:/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/lib/jce.jar:/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/lib/charsets.jar:/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/lib/jfr.jar:/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/classes",
"sun.boot.library.path" => "/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.91-2.b14.fc22.x86_64/jre/lib/amd64",
"sun.cpu.endian" => "little",
"sun.cpu.isalist" => "",
"sun.desktop" => "gnome",
"sun.io.unicode.encoding" => "UnicodeLittle",
"sun.java.command" => "/opt/EAP-Ansible-POC/standalone/jboss-modules.jar -mp /opt/EAP-Ansible-POC/standalone/modules -jaxpmodule javax.xml.jaxp-provider org.jboss.as.standalone -Djboss.home.dir=/opt/EAP-Ansible-POC/standalone -Djboss.server.base.dir=/opt/EAP-Ansible-POC/standalone/standalone",
"sun.java.launcher" => "SUN_STANDARD",
"sun.jnu.encoding" => "UTF-8",
"sun.management.compiler" => "HotSpot 64-Bit Tiered Compilers",
"sun.nio.ch.bugLevel" => "",
"sun.os.patch.level" => "unknown",
"user.country" => "US",
"user.dir" => "/home/rwattcha/opt/EAP-Ansible-POC/standalone/bin",
"user.home" => "/home/rwattcha",
"user.language" => "en",

```

```
"user.name" => "rwattcha",  
"user.timezone" => "America/Santiago"  
}  
}
```

### 5.1.24. TASK: Informacion de parches

*Servidor de Ejecución 24. 192.168.0.69*

```
$ ./jboss-cli.sh --controller=192.168.0.69:9999 -c --command="patch info"  
{  
  "outcome" : "success",  
  "result" : {  
    "cumulative-patch-id" : "base",  
    "patches" : [],  
    "version" : "6.4.0.GA",  
    "addon" : null,  
    "layer" : {"base" : {  
      "cumulative-patch-id" : "base",  
      "patches" : []  
    }}  
  }  
}
```