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CUSTOMER EXPERIENCE
+ENGAGEMENT TEAM

HealthCheck Jboss EAP Domain Mode

preparado para - Customer Name

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Versión 1.0.0

Tabla de contenidos

1. Versiones

Versión	Fecha	Autor	Cambios
1.0.0	2017-03-13	Robson Watt <robson@redhat.com>	Creación del documento

2. Prefacio

2.1. Confidencialidad, Copyright y responsabilidad

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 dirijido 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

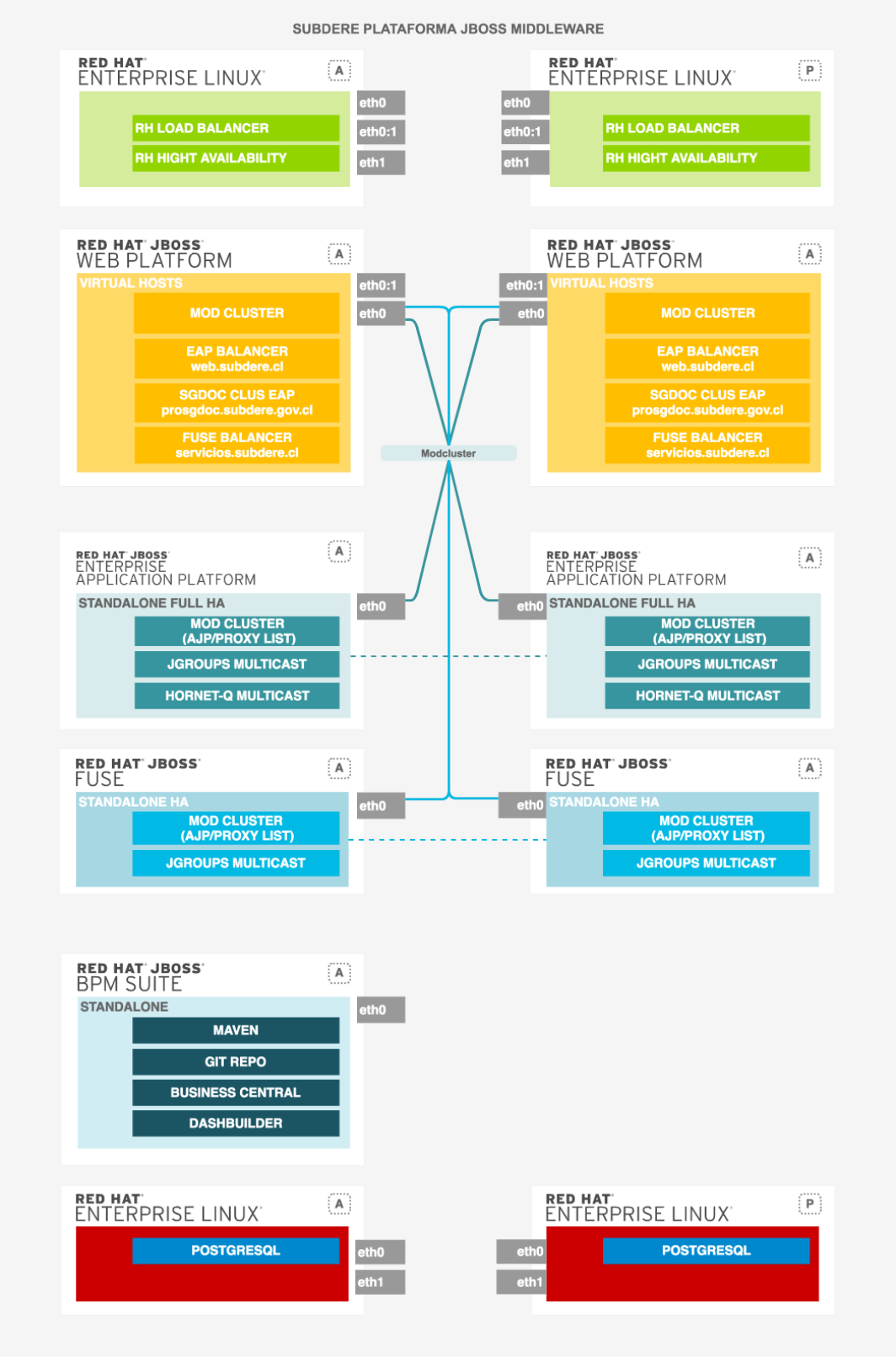

Imagen 1. Plataforma Middleware Producción

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

#	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: infraestructura

5.1.1. TASK: Particionamiento de discos

Servidor de Ejecución 1. 192.168.0.70

```
$ df -h
Filesystem                      Size  Used Avail Use% Mounted on
devtmpfs                        7.7G     0  7.7G   0% /dev
tmpfs                           7.7G  257M  7.5G   4% /dev/shm
tmpfs                           7.7G  1.7M  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   46M  7.7G   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
```

Servidor de Ejecución 2. 192.168.0.71

```
$ df -h
Filesystem                      Size  Used Avail Use% Mounted on
devtmpfs                        7.7G     0  7.7G   0% /dev
tmpfs                           7.7G  257M  7.5G   4% /dev/shm
tmpfs                           7.7G  1.7M  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   46M  7.7G   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
```

5.1.2. TASK: Cores del Servidor

Servidor de Ejecución 3. 192.168.0.70

```
$ 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:               1351.671
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
```

Servidor de Ejecución 4. 192.168.0.71

```
$ 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:               1299.902
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
```

5.1.3. TASK: RAM del Servidor

Servidor de Ejecución 5. 192.168.0.70

```
$ free -m
              total        used        free      shared  buff/cache   available
Mem:          15677        9420         175         747        6081        5183
Swap:          4091           0        4091
```

Servidor de Ejecución 6. 192.168.0.71

```
$ free -m
               total        used        free      shared  buff/cache   available
Mem:           15677        9420         176         747        6081        5183
Swap:           4091           0        4091
```

5.1.4. TASK: Ulimits

Servidor de Ejecución 7. 192.168.0.70

```
$ 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
```

Servidor de Ejecución 8. 192.168.0.71

```
$ 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
```

5.1.5. TASK: Reglas IPTABLES

Servidor de Ejecución 9. 192.168.0.70

```
$ 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
```

Servidor de Ejecución 10. 192.168.0.71

```
$ bash -c 'iptables -S'
Another app is currently holding the xtables lock. Perhaps you want to use the -w option?
```

5.1.6. TASK: Interfaces de red: ifconfig

Servidor de Ejecución 11. 192.168.0.70

```
$ 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 124660  bytes 16900119 (16.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 124660  bytes 16900119 (16.1 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 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  txqueuelen 100  (UNSPEC)
        RX packets 12902  bytes 6345403 (6.0 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 13110  bytes 1142652 (1.0 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 1634377  bytes 1535500840 (1.4 GiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 747573  bytes 121269360 (115.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

Servidor de Ejecución 12. 192.168.0.71

```
$ 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 124660  bytes 16900119 (16.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 124660  bytes 16900119 (16.1 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 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  txqueuelen 100  (UNSPEC)
        RX packets 12902  bytes 6345403 (6.0 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 13110  bytes 1142652 (1.0 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 1634377  bytes 1535500840 (1.4 GiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 747573  bytes 121269360 (115.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

5.1.7. TASK: Java Version

Servidor de Ejecución 13. 192.168.0.70

```
$ 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)
```

Servidor de Ejecución 14. 192.168.0.71

```
$ 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)
```

5.1.8. TASK: Existencia Usuario Jboss

Servidor de Ejecución 15. 192.168.0.70

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

Servidor de Ejecución 16. 192.168.0.71

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

5.1.9. TASK: Parche Jboss EAP existente Host1

Servidor de Ejecución 17. 192.168.0.70

```
$ ./jboss-cli.sh --command="patch info"
{
    "outcome" : "success",
    "result" : {
        "cumulative-patch-id" : "base",
        "patches" : []
    }
}
```

Servidor de Ejecución 18. 192.168.0.71

```
$ ./jboss-cli.sh --command="patch info"
{
    "outcome" : "success",
    "result" : {
        "cumulative-patch-id" : "base",
        "patches" : []
    }
}
```

5.1.10. TASK: Parche Jboss EAP existente Host2

Servidor de Ejecución 19. 192.168.0.70

```
$ ./jboss-cli.sh --command="patch info"
{
    "outcome" : "success",
    "result" : {
        "cumulative-patch-id" : "base",
        "patches" : []
    }
}
```

Servidor de Ejecución 20. 192.168.0.71

```
$ ./jboss-cli.sh --command="patch info"
{
    "outcome" : "success",
    "result" : {
        "cumulative-patch-id" : "base",
        "patches" : []
    }
}
```

5.1.11. TASK: Verificacion funcionamiento servicio JBoss

Servidor de Ejecución 21. 192.168.0.70

```
$ ps -fea | grep "Server:" | grep -v grep | awk -F " " '{print $2 " "  $9}'
7946 -D[Server:server-one]
8004 -D[Server:server-two]
9328 -D[Server:server-one]
9385 -D[Server:server-two]
```

Servidor de Ejecución 22. 192.168.0.71

```
$ ps -fea | grep "Server:" | grep -v grep | awk -F " " '{print $2 " "  $9}'
7946 -D[Server:server-one]
8004 -D[Server:server-two]
9328 -D[Server:server-one]
9385 -D[Server:server-two]
```

5.2. Grupo: domaincontroller

5.2.1. TASK: JVM ServerGroup main-server-group

Servidor de Ejecución 23. 192.168.0.69

```
$ ././jboss-cli.sh --controller=192.168.0.69:9999 -c --command="/server-group=main-server-group/jvm=default:read-resource"
{
    "outcome" => "success",
    "result" => {
        "agent-lib" => undefined,
        "agent-path" => undefined,
        "env-classpath-ignored" => undefined,
        "environment-variables" => undefined,
        "heap-size" => "1000m",
        "java-agent" => undefined,
        "java-home" => undefined,
        "jvm-options" => undefined,
        "max-heap-size" => "1000m",
        "max-permgen-size" => "256m",
        "permgen-size" => undefined,
        "stack-size" => undefined,
        "type" => undefined
    }
}
```

5.2.2. TASK: DataSources Existentes

Servidor de Ejecución 24. 192.168.0.69

```
$ datasources_list.sh
Profiles a revisar:  default
Obteniendo datasources para Profile  default
ExampleDS
```

5.2.3. TASK: DataSources Test Connection

Servidor de Ejecución 25. 192.168.0.69

```
$ datasources_test_connection.sh
Profiles a revisar:  default
Obteniendo datasources para Profile  default
Test Connection Host hostController1, Servidor server-one, Datasource ExampleDS
/host=hostController1/server=server-one/subsystem=datasources/data-source=ExampleDS:test-connection-in-pool
{
    "outcome" => "success",
    "result" => [true]
}
Test Connection Host hostController1, Servidor server-two, Datasource ExampleDS
/host=hostController1/server=server-two/subsystem=datasources/data-source=ExampleDS:test-connection-in-pool
{
    "outcome" => "success",
    "result" => [true]
}
Test Connection Host hostController2, Servidor server-one, Datasource ExampleDS
/host=hostController2/server=server-one/subsystem=datasources/data-source=ExampleDS:test-connection-in-pool
{
    "outcome" => "success",
    "result" => [true]
}
Test Connection Host hostController2, Servidor server-two, Datasource ExampleDS
/host=hostController2/server=server-two/subsystem=datasources/data-source=ExampleDS:test-connection-in-pool
{
    "outcome" => "success",
    "result" => [true]
}
Test Connection Host master, Servidor , Datasource ExampleDS
/host=master/server=/subsystem=datasources/data-source=ExampleDS:test-connection-in-pool
org.jboss.as.cli.CliInitializationException: Failed to connect to the controller
    at org.jboss.as.cli.impl.CliLauncher.initCommandContext(CliLauncher.java:299)
    at org.jboss.as.cli.impl.CliLauncher.main(CliLauncher.java:265)
    at org.jboss.as.cli.CommandLineMain.main(CommandLineMain.java:45)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at org.jboss.modules.Module.run(Module.java:312)
    at org.jboss.modules.Main.main(Main.java:473)
Caused by: org.jboss.as.cli.CommandLineException: The controller is not available at 192.168.0.69:9999
    at org.jboss.as.cli.impl.CommandContextImpl.tryConnection(CommandContextImpl.java:1057)
    at org.jboss.as.cli.impl.CommandContextImpl.connectController(CommandContextImpl.java:887)
    at org.jboss.as.cli.impl.CommandContextImpl.connectController(CommandContextImpl.java:863)
    at org.jboss.as.cli.impl.CliLauncher.initCommandContext(CliLauncher.java:297)
    ... 8 more
Caused by: java.io.IOException: java.net.ConnectException: JBAS012144: Could not connect to remote://192.168.0.69:9999. The connection
timed out
    at org.jboss.as.controller.client.impl.AbstractModelControllerClient.executeForResult(AbstractModelControllerClient.java:149)
    at org.jboss.as.controller.client.impl.AbstractModelControllerClient.execute(AbstractModelControllerClient.java:75)
    at org.jboss.as.cli.impl.CommandContextImpl.tryConnection(CommandContextImpl.java:1035)
    ... 11 more
Caused by: java.net.ConnectException: JBAS012144: Could not connect to remote://192.168.0.69:9999. The connection timed out
    at org.jboss.as.protocol.ProtocolConnectionUtils.connectSync(ProtocolConnectionUtils.java:135)
    at org.jboss.as.protocol.ProtocolConnectionManager$EstablishingConnection.connect(ProtocolConnectionManager.java:256)
    at org.jboss.as.protocol.ProtocolConnectionManager.connect(ProtocolConnectionManager.java:70)
    at org.jboss.as.protocol.mgmt.FutureManagementChannel$Establishing.getChannel(FutureManagementChannel.java:208)
    at org.jboss.as.cli.impl.CLIModelControllerClient.getOrCreateChannel(CLIModelControllerClient.java:169)
    at org.jboss.as.cli.impl.CLIModelControllerClient$2.getChannel(CLIModelControllerClient.java:129)
    at org.jboss.as.protocol.mgmt.ManagementChannelHandler.executeRequest(ManagementChannelHandler.java:123)
    at org.jboss.as.protocol.mgmt.ManagementChannelHandler.executeRequest(ManagementChannelHandler.java:98)
    at org.jboss.as.controller.client.impl.AbstractModelControllerClient.executeRequest(AbstractModelControllerClient.java:263)
    at org.jboss.as.controller.client.impl.AbstractModelControllerClient.execute(AbstractModelControllerClient.java:168)
    at org.jboss.as.controller.client.impl.AbstractModelControllerClient.executeForResult(AbstractModelControllerClient.java:147)
    ... 13 more
```

5.2.4. TASK: Verificacion Estado de Servidores

Servidor de Ejecución 26. 192.168.0.69

```
$ server_status.sh
HOSTS a revisar:  hostController1 hostController2 master
Servidor server-one - Host hostController1
{ "outcome" => "success", "result" => "STARTED" }
Servidor server-two - Host hostController1
{ "outcome" => "success", "result" => "STARTED" }
Servidor server-one - Host hostController2
{ "outcome" => "success", "result" => "STARTED" }
Servidor server-two - Host hostController2
{ "outcome" => "success", "result" => "STARTED" }
```