

ScreenShots

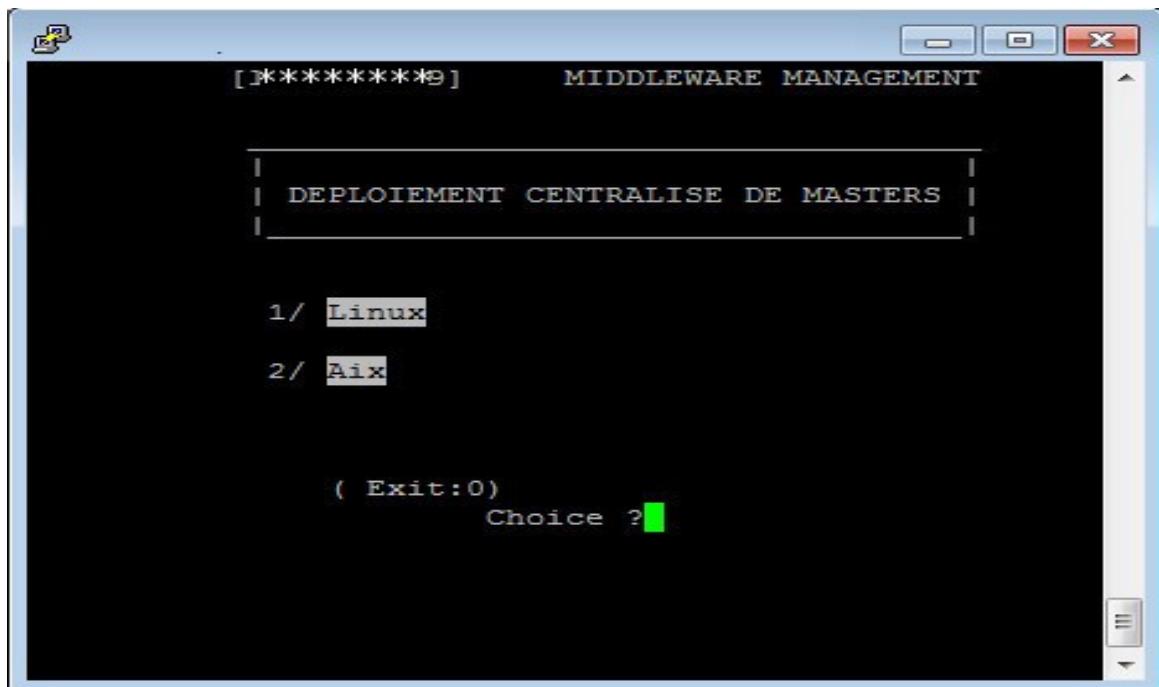
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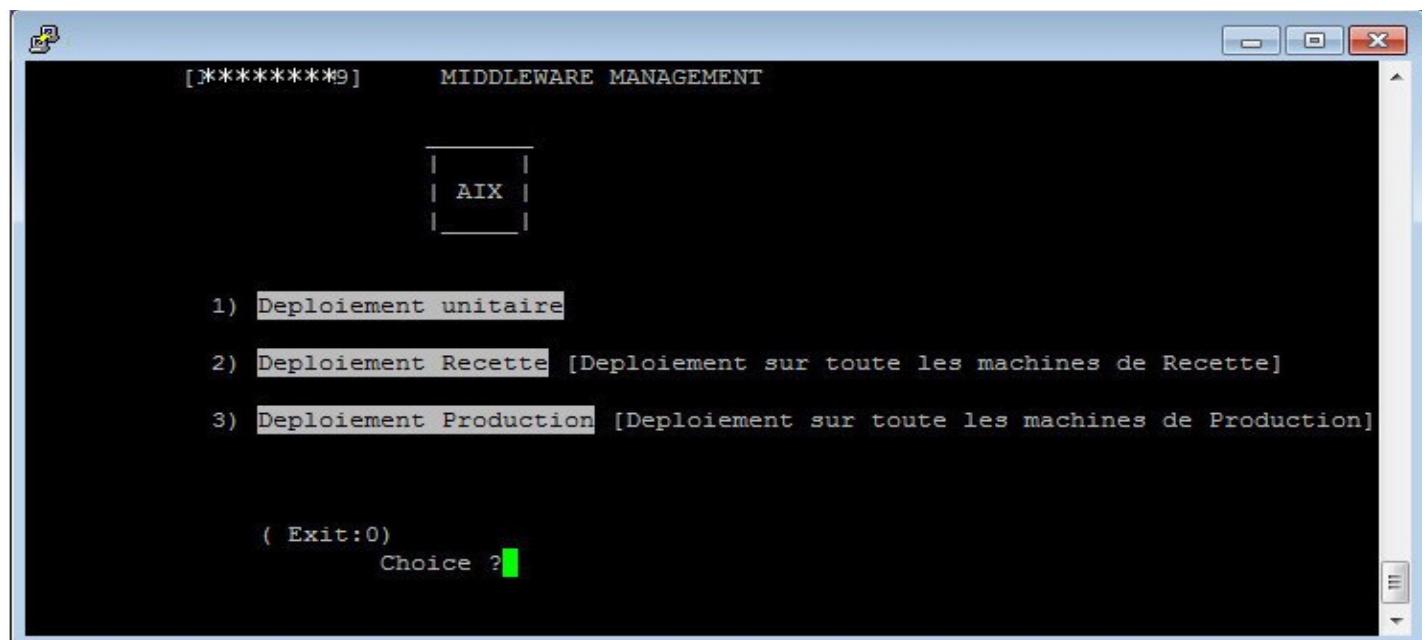
1 Management Centralisé



1.1 Deploiement Centralisé de Master



● Deploiement unitaire



```
[*****9]      DEPKG

| ACTION: DEPKG |

1/ depkg>
user: middleware
password: *****
binary_path: /exploit/tool/middleware/MASTERS/aix_install.middleware_soft.tar
break_on_error: true

2/ depkg/pre_commands> [List of Commands to run]
if [[ ! -d /tmp/middleware ]];then mkdir /tmp/middleware;fi
sudo su -c "rm -fr /tmp/middleware/*"

3/ depkg/post_commands> [List of Commands to run]
sudo su -c "mv /tmp/aix_install.middleware_soft.tar /tmp/middleware"
sudo su -c "cd /tmp/middleware;tar -xvf aix_install.middleware_soft.tar"
sudo su -c "cd /tmp/middleware;./aix_install.middleware_soft.sh"
# sudo su -c "chgrp wasgrp /exploit/tool/middleware/webapp/conf/*"
# sudo su -c "chmod g+rwx /exploit/tool/middleware/webapp/conf/*"
sudo su -c "chmod -R ugo+r /softwares/kikonf/kikonf-5.5/bin"
sudo su -c "chmod -R ugo+rwx /softwares/kikonf/kikonf-5.5/langs"
sudo su -c "rm -fr /softwares/kikonf/kikonf-5.5/langs/*.db"

4/ New depkg/targets/target> [Target server]

5/ depkg/targets/target> [Target server]
hostname: *****
binary_install_dir: /tmp

6) Show Action file
7) Show Descriptor file

( Exit:0 Up:+)
Choice ?
```

● Déploiement Global (ex Recette)

The screenshot shows a terminal window titled "DEPKG" with the following content:

```
[1*****]      DEPKG

|-----|
| ACTION: DEPKG |
|-----|
```

1/ depkg> user: middleware password: ***** binary_path: /exploit/tool/middleware/MASTERS/aix_install.middleware_soft.tar break_on_error: true

2/ depkg/pre_commands> [List of Commands to run] if [[! -d /tmp/middleware]];then mkdir /tmp/middleware;fi sudo su -c "rm -fr /tmp/middleware/*"

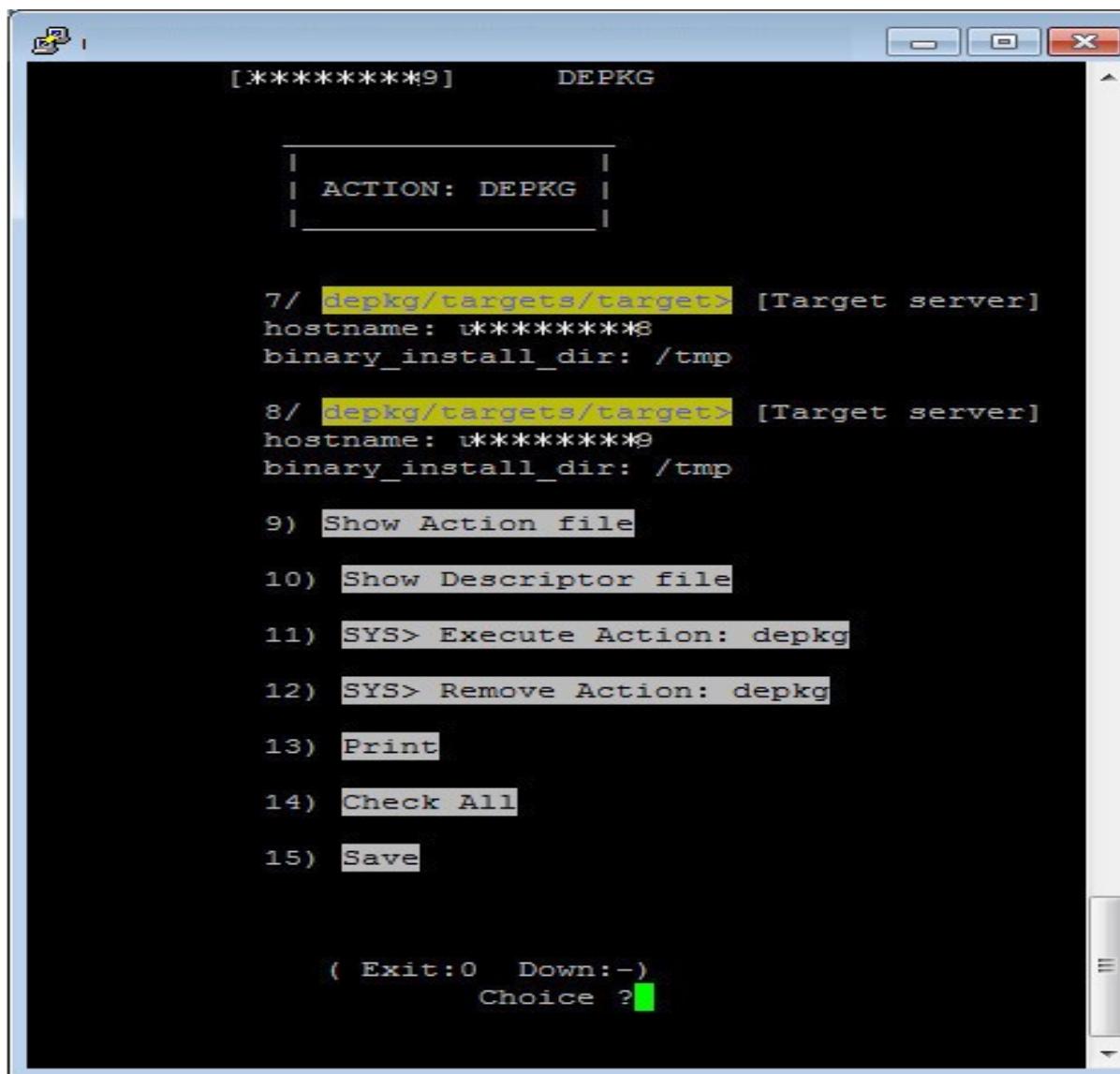
3/ depkg/post_commands> [List of Commands to run] sudo su -c "mv /tmp/aix_install.middleware_soft.tar /tmp/middleware" sudo su -c "cd /tmp/middleware;tar -xvf aix_install.middleware_soft.tar" sudo su -c "cd /tmp/middleware;./aix_install.middleware_soft.sh" # sudo su -c "chgrp wasgrp /exploit/tool/middleware/webapp/conf/*" # sudo su -c "chmod g+rwx /exploit/tool/middleware/webapp/conf/*" sudo su -c "chmod -R ugo+x /softwares/kikonf/kikonf-5.5/bin" sudo su -c "chmod -R ugo+rwx /softwares/kikonf/kikonf-5.5/langs" sudo su -c "rm -fr /softwares/kikonf/kikonf-5.5/langs/*.db"

4/ New depkg/targets/target> [Target server]

5/ depkg/targets/target> [Target server] hostname: ***** binary_install_dir: /tmp

6) Show Action file
7) Show Descriptor file

(Exit:0 Up:+)
Choice ?



1.2 Cration Centralise d'Environnements Applicatifs



- Options smk<ctg>conf (ex WAS)

The screenshot shows a terminal window titled "SMKWASCONF". The window contains the following text:

```
[*****9]      SMKWASCONF
[-----]
| SMKWASCONF |
|-----|
1/ smkwasconf>
verbose: 0
contextes: MY_CONTEXTES
vhosts: MY_VHOSTS:8080
unique_port_across_server: False
install_snoop: False
cattr: /exploit/tool/middleware/conf/kikonf_was7.attrs
cattr_version: 7

2/ smkwasconf/groups>

3) Show custom file
4) Print
5) Check All
6) Save

( Exit:0)
Choice ?
```

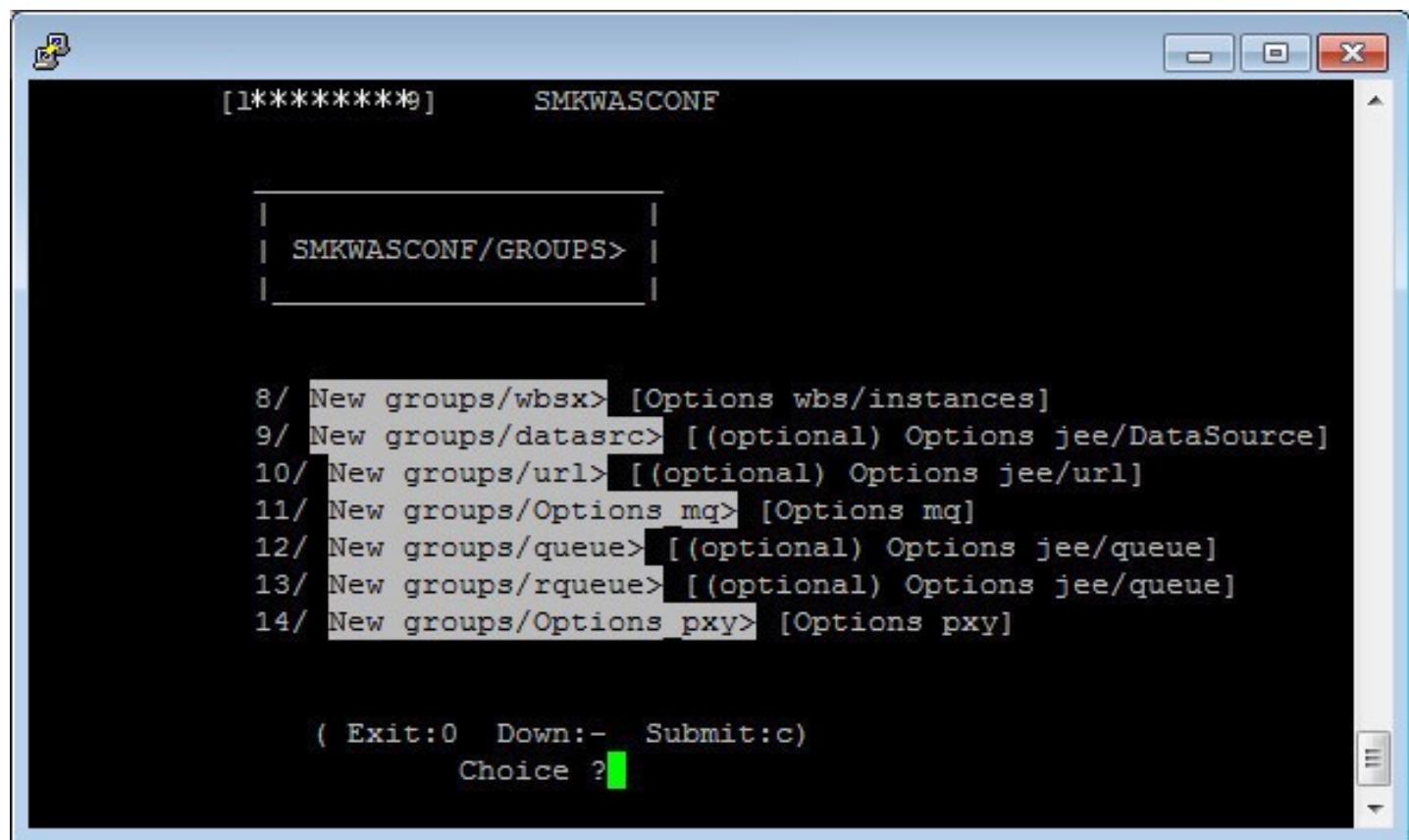
The window has a standard Windows-style title bar with minimize, maximize, and close buttons. The text is displayed in a monospaced font.

Groupes d'options obligatoires

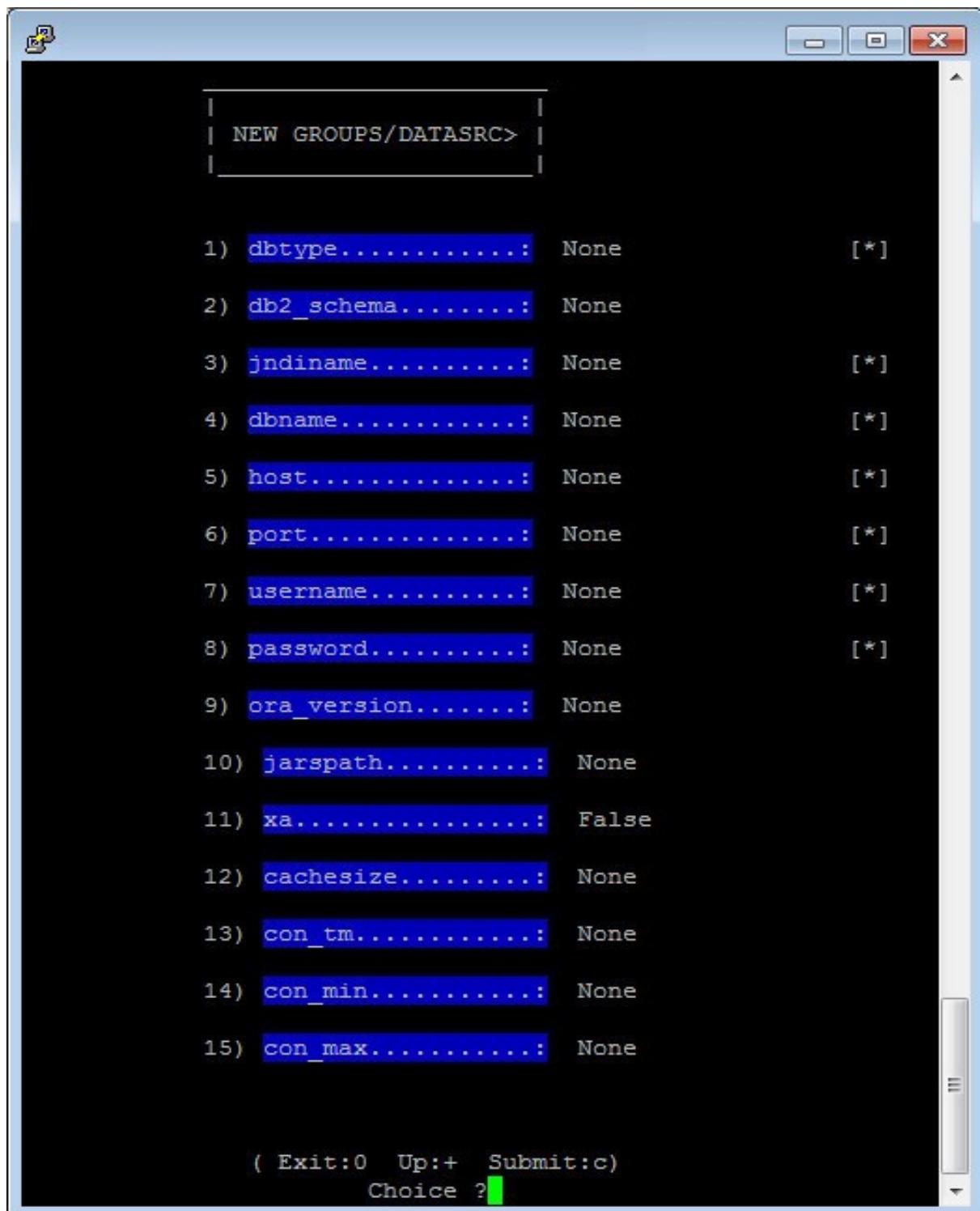
The screenshot shows a terminal window with a blue title bar containing the text "SMKWASCONF/GROUPS>". The main area of the window displays a list of numbered options, each followed by a configuration group name in yellow and its corresponding settings. The options are:

- 1) >> Delete all
- 2/ groups/Code Unique IDGEN> [Code Unique IDGEN]
cenv: r
capp: re
cpays: fr
index: 1
lapp: MY_LAPP
- 3/ groups/Options_jee> [Options jee]
jvm.mgr: *****
jvm.sport: 0
jvm.port_step: 10
jvm.mems: 128,256
jvm.sioto: 300
- 4/ New groups/jvmx> [Options jee/jvm instances]
- 5/ groups/jvmx> [Options jee/jvm instances]
machine: *****
node: node_bsy12
indexes: 1,2,3
- 6/ groups/jvmx> [Options jee/jvm instances]
machine: 1*****
node: node_bsy12
indexes: 4,5,6
- 7/ New groups/Options_wbs> [Options wbs]

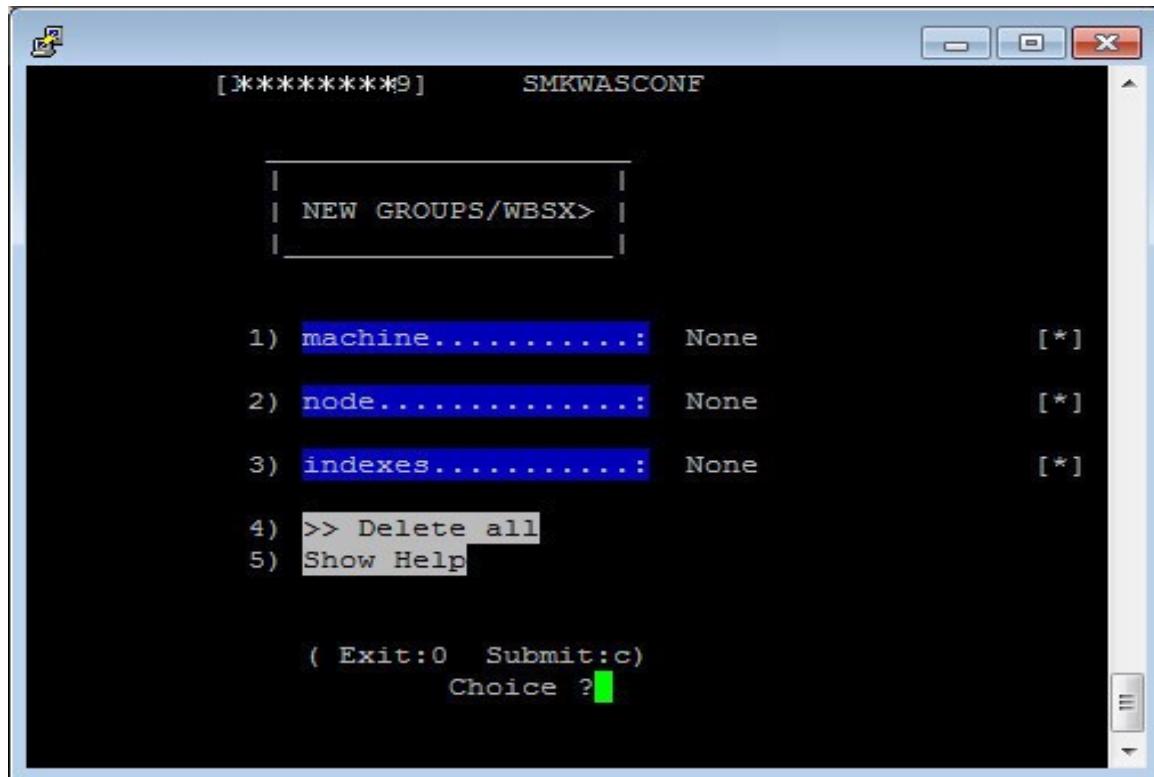
At the bottom of the window, there is a prompt: "(Exit:0 Up:+ Submit:c)
Choice ?" followed by a green question mark icon.



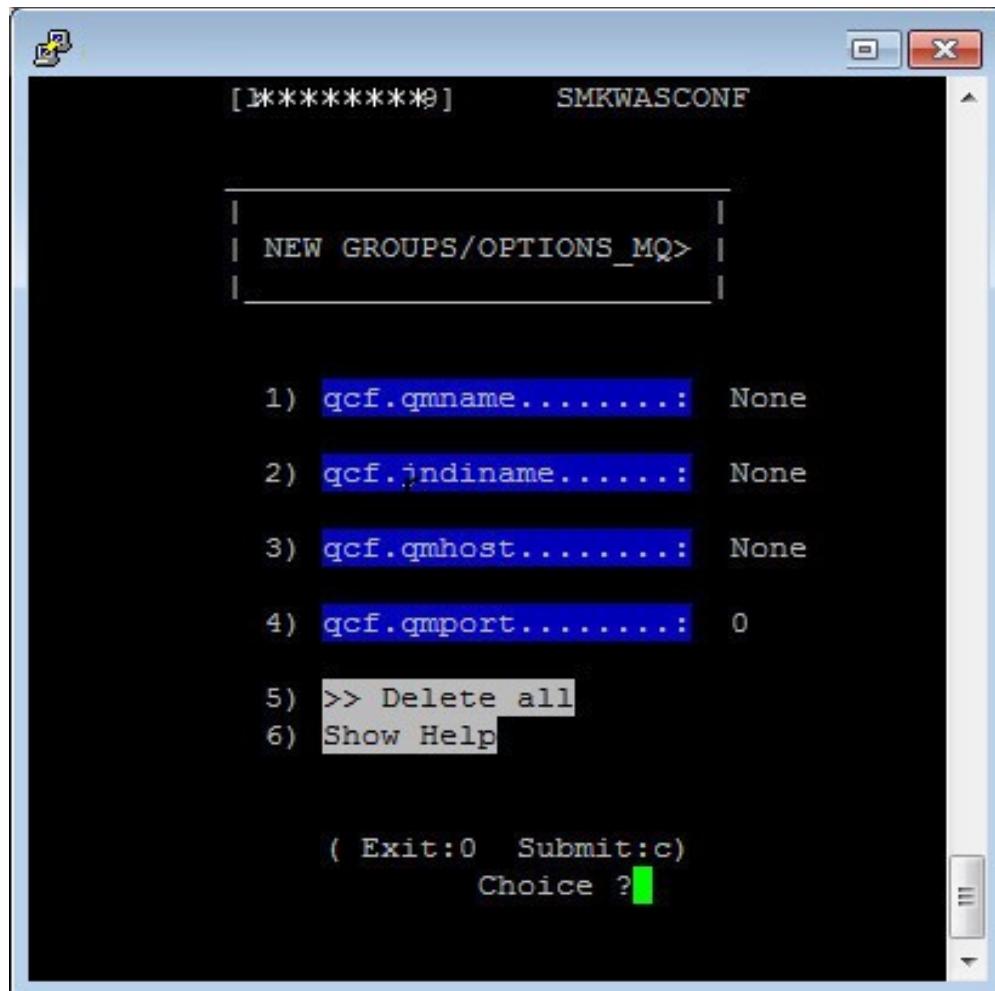
Groupes d'options Datasrc



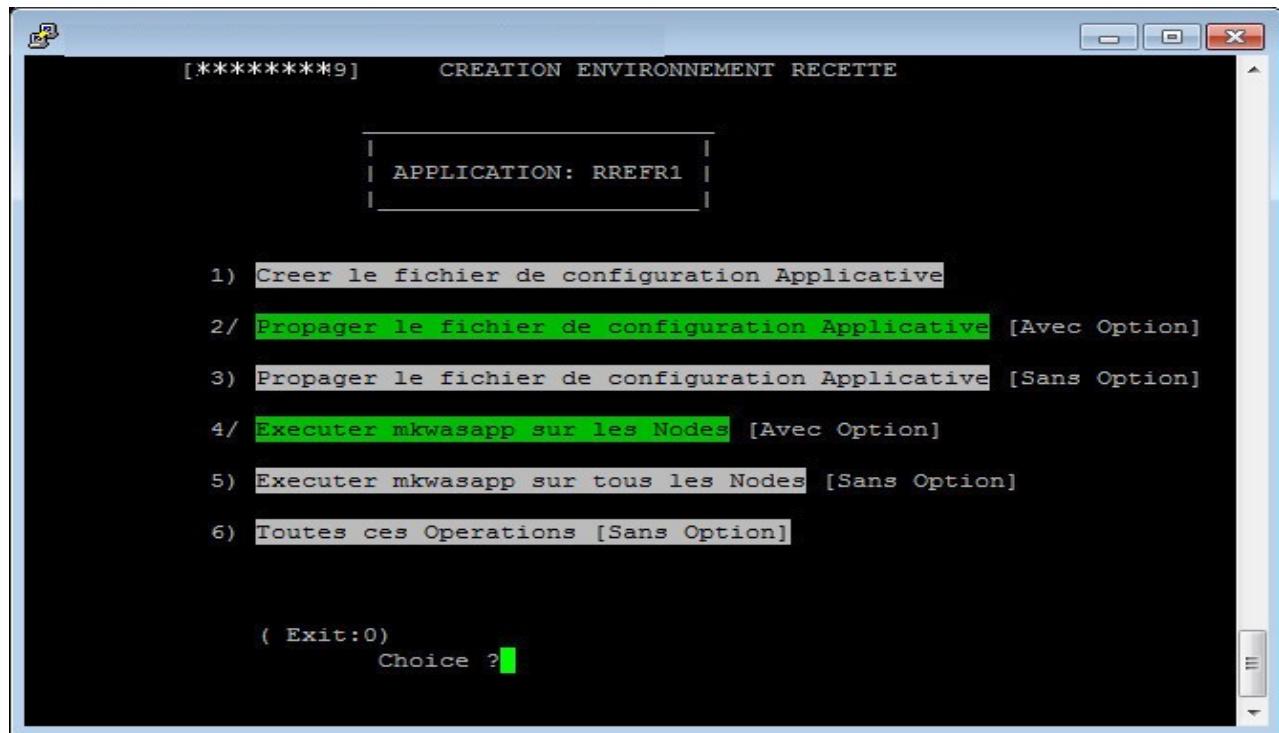
Groupes d'options WBSX (WebsServer)



Groupes d'options MQSeries



● Creer le Fichier de configuration Applicative



Choice ?1

Are you sure you want to: Creer le fichier de configuration Applicative, please confirm (y/n) ?y

Running command: /softwares/middleware/kikonf/kikonf-5.5/bin/mkmaster --verbose 5 --source_file /tmp/adetruire/smkwasconf_user.xml --desc_file /tmp/adetruire/smkwasconf_desc.xml --cattrs /exploit/tool/middleware/conf/kikonf_Management_Centralise.attrs --operation mk_conf

XmlSuckerScraper: reading file:/tmp/adetruire/smkwasconf_desc.xml.

XmlSuckerScraper: reading file:/tmp/adetruire/smkwasconf_user.xml.

XmlSuckerScraper: reading file:/exploit/tool/middleware/webapp/conf/umachine12/was/rrefr1_my_lapp/rrefr1_my_lapp.xml.

MKMASTER *==> EXECUTE COMMAND: /softwares/middleware/kikonf/kikonf-5.5/bin/smkwasconf --verbose 0 --contextes MY_CONTEXTES --vhosts MY_VHOSTS:8080 --keep_regular_kikonf_attrs_path --cattrs /exploit/tool/middleware/conf/umachine12/kikonf_was7.attrs --cattrs_version 7 --index 1 --cpays fr --lapp my_lapp --capp re --cenv r --jvm.sport 0 --jvm.mgr umachine12 --jvm.mems 128,256 --jvm.port_step 10 --jvm.sioto 300 --jvmx.machine umachine12 --jvmx.node node_bsy12 --jvmx.indexes 1,2,3 --jvmx.1.machine lmachine305 --jvmx.1.node node_bsy12 --jvmx.1.indexes 4,5,6 --generated_xml_dir /exploit/tool/middleware/webapp/conf/umachine12/was/rrefr1_my_lapp --dont_check_kikonf_attrs -v5

MKMASTER <==* STDOUT:

Le Mako Template est a:/exploit/tool/middleware/templates/kikarc_was.mako.

[Custom XML File] Le fichier de configuration est écrit
a:/exploit/tool/middleware/webapp/conf/umachine12/was/rrefr1_my_lapp/rrefr1_my_lapp.xml

Copiez le sur les machines : lmachine305, umachine12, umachine12:was,
dans ce répertoire:/exploit/tool/middleware/webapp/conf/rrefr1_my_lapp.

Ensuite sur chacune des machines exécutez la commande suivante:

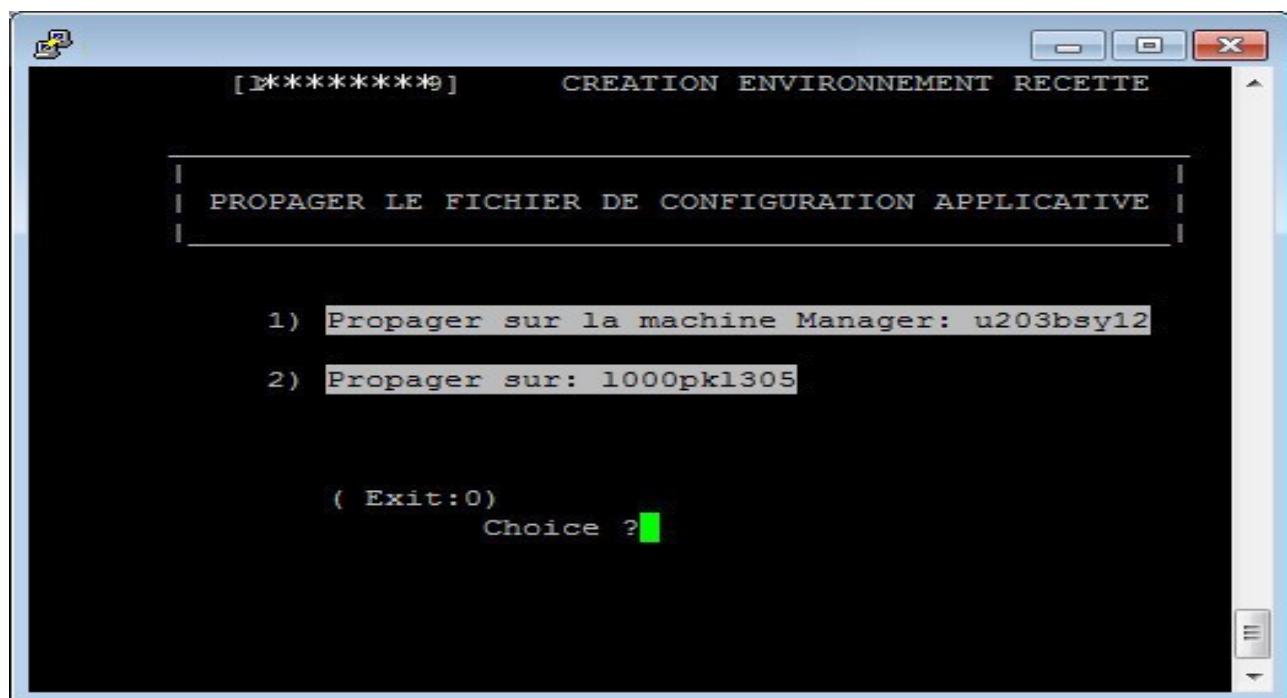
> /softwares/middleware/kikonf/kikonf-5.5/bin/smkwasapp

/exploit/tool/middleware/webapp/conf/rrefr1_my_lapp/rrefr1_my_lapp.xml -v3 ou:

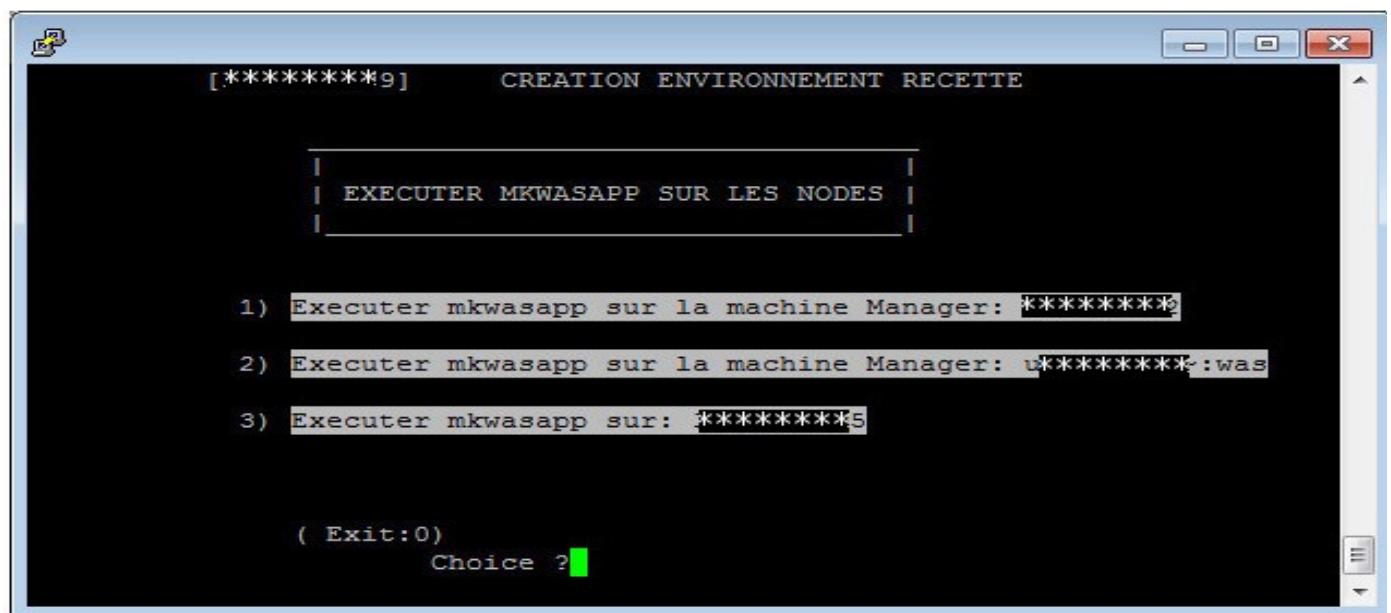
> /softwares/middleware/kikonf/kikonf-5.5/bin/smkwasapp

/exploit/tool/middleware/webapp/conf/rrefr1_my_lapp/rrefr1_my_lapp.xml -m <machine> -v3

• Propager le fichier xml Applicatif



● Executer le fichier xml Applicatif



Executer les Actions systemes

Choice ?1

Are you sure you want to: Executer mkwasapp sur la machine Manager: umachine12, please confirm (y/n) ?y

Running command: /softwares/middleware/kikonf/kikonf-5.5/bin/mkmaster --verbose 5 --source_file /tmp/adetruire/smkwasconf_user.xml --desc_file /tmp/adetruire/smkwasconf_desc.xml --cattrs /exploit/tool/middleware/conf/kikonf_Management_Centralise.attrs --operation nodes_mk_app --operation_parms {machine:umachine12}

XmlSuckerScraper: reading file:/tmp/adetruire/smkwasconf_desc.xml.

XmlSuckerScraper: reading file:/tmp/adetruire/smkwasconf_user.xml.

XmlSuckerScraper: reading file:/exploit/tool/middleware/webapp/conf/umachine12/was/rrefr1_my_lapp/rrefr1_my_lapp.xml.

MKMASTER *==> EXECUTE COMMAND on Target: umachine12

>*sudo su -c "/softwares/kikonf/kikonf-5.5/bin/mkwasapp /exploit/tool/middleware/webapp/conf/rrefr1_my_lapp/rrefr1_my_lapp.xml -m umachine12 -v5"*

MKMASTER <==* STDOUT:

SSH session login successful.

sudo su -c "/softwares/kikonf/kikonf-5.5/bin/mkwasapp /exploit/tool/middleware/webapp/conf/rrefr1_my_lapp/rrefr1_my_lapp.xml -m umachine12 -v5"

Running with kikonfAttrs at:/exploit/tool/middleware/conf/kikonf_was7.attrs.

mkwasapp.py: Calling kikarc with options:/exploit/tool/middleware/webapp/conf/rrefr1_my_lapp/rrefr1_my_lapp.xml -v 5 -C /exploit/tool/middleware/conf/kikonf_was7.attrs -T business_application/machines/machine@name=umachine12

picxmlp: Parsing file: /exploit/tool/middleware/webapp/conf/rrefr1_my_lapp/rrefr1_my_lapp.xml.

picxmlp: Parsing file: /softwares/kikonf/kikonf-5.5/plugins/actions/sys/mkdirs/by/kikonf/ACT_INF/action.xml.

Begin Actions ...

Action:mkdirs retrieved.

Inject Operation

Mkdirs

mkdirs/mustexist: Requirements Checking.

Action File/Tag: mustexist/dir: Directory:/exploit exists ok.

Action File/Tag: mustexist/dir: Directory:/stor/rrefr1/was exists ok.

Action File/Tag: mustexist/group: Group:wasgrp exists ok.

Action File/Tag: mustexist/group: Group:was7 exists ok.

mkdirs/mustexist: Requirements Checked.

mkdirs/create: System resources Creating.

Action File/Tag: create/group: Group:rrefr pre-exists.

...

Action:mkdirs retrieved.

Executer les Actions WAS

Choice ?2

Are you sure you want to: Executer mkwasapp sur la machine Manager: umachine12~:was, please confirm (y/n) ?y

```
Running command: /softwares/middleware/kikonf/kikonf-5.5/bin/mkmaster --verbose 5 --source_file /tmp/adetruire/smkwasconf_user.xml --desc_file /tmp/adetruire/smkwasconf_desc.xml --cattrs /exploit/tool/middleware/conf/kikonf_Management_Centralise.attrs --operation nodes_mk_app --operation_parms {machine:umachine12~:was}
```

XmlSuckerScraper: reading file:/tmp/adetruire/smkwasconf_desc.xml.

XmlSuckerScraper: reading file:/tmp/adetruire/smkwasconf_user.xml.

XmlSuckerScraper: reading file:/exploit/tool/middleware/webapp/conf/umachine12/was/rrefr1_my_lapp/rrefr1_my_lapp.xml.

MKMASTER *==> EXECUTE COMMAND on Target: umachine12

```
>sudo su - hirdw1 -c "/softwares/kikonf/kikonf-5.5/bin/mkwasapp /exploit/tool/middleware/webapp/conf/rrefr1_my_lapp/rrefr1_my_lapp.xml -m umachine12 --was -v5"
```

MKMASTER <==* STDOUT:

SSH session login successful.

```
sudo su - hirdw1 -c "/softwares/kikonf/kikonf-5.5/bin/mkwasapp /exploit/tool/middleware/webapp/conf/rrefr1_my_lapp/rrefr1_my_lapp.xml -m umachine12 --was -v5"
```

Running with kikonf_attrs at:/exploit/tool/middleware/conf/kikonf_was7.attrs.

```
mkwasapp.py: Calling kikarc with options:/exploit/tool/middleware/webapp/conf/rrefr1_my_lapp/rrefr1_my_lapp.xml -v 5 -C /exploit/tool/middleware/conf/kikonf_was7.attrs -T business_application/machines/machine@name=umachine12:was
```

Begin Actions ...

Action:vhost retrieved.

Inject Operation

VirtualHost:rrefr1_my_lapp_vhost.

VirtualHost retrieving.

VirtualHost:rrefr1_my_lapp_vhost removing.

VirtualHost:rrefr1_my_lapp_vhost removed.

VirtualHost:rrefr1_my_lapp_vhost retrieving.

VirtualHost:rrefr1_my_lapp_vhost created.

Action:crtcluster retrieved.

Inject Operation

Cluster:rrefr1_my_lapp_cls_01.

ClusterMember retrieving.

ClusterMember removing.

ClusterMember:rrefr1_my_lapp_jvm_01 removed.

ClusterMember retrieving.

ClusterMember removing.

ClusterMember:rrefr1_my_lapp_jvm_02 removed.

ClusterMember retrieving.

ClusterMember removing.

ClusterMember:rrefr1_my_lapp_jvm_03 removed.

ClusterMember retrieving.

ClusterMember removing.

ClusterMember:rrefr1_my_lapp_jvm_04 removed.

ClusterMember retrieving.

ClusterMember removing.

ClusterMember:rrefr1_my_lapp_jvm_05 removed.

ClusterMember retrieving.

ClusterMember removing.

ClusterMember:rrefr1_my_lapp_jvm_06 removed.

ServerCluster:rrefr1_my_lapp_cls_01 removing.

ServerCluster:rrefr1_my_lapp_cls_01 removed.

ServerCluster:rrefr1_my_lapp_cls_01 creating.

ServerCluster:rrefr1_my_lapp_cls_01 created.

Action:crtserver retrieved.

Inject Operation

Application Server at scope: node:node_bsy12 server:rrefr1_my_lapp_jvm_01 cluster:rrefr1_my_lapp_cls_01.

ClusterMember listing.

ServerCluster retrieving.

ClusterMember:rrefr1_my_lapp_jvm_01 creating.

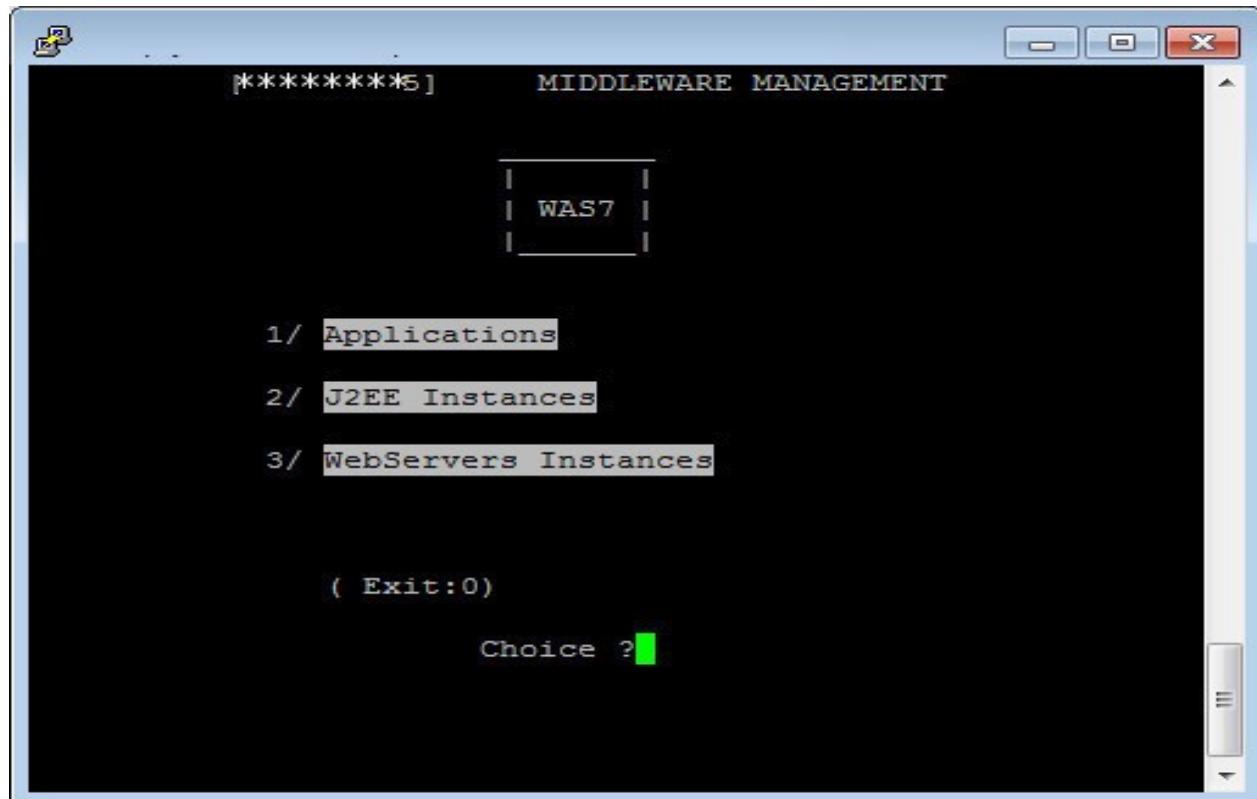
ClusterMember:rrefr1_my_lapp_jvm_01 created.

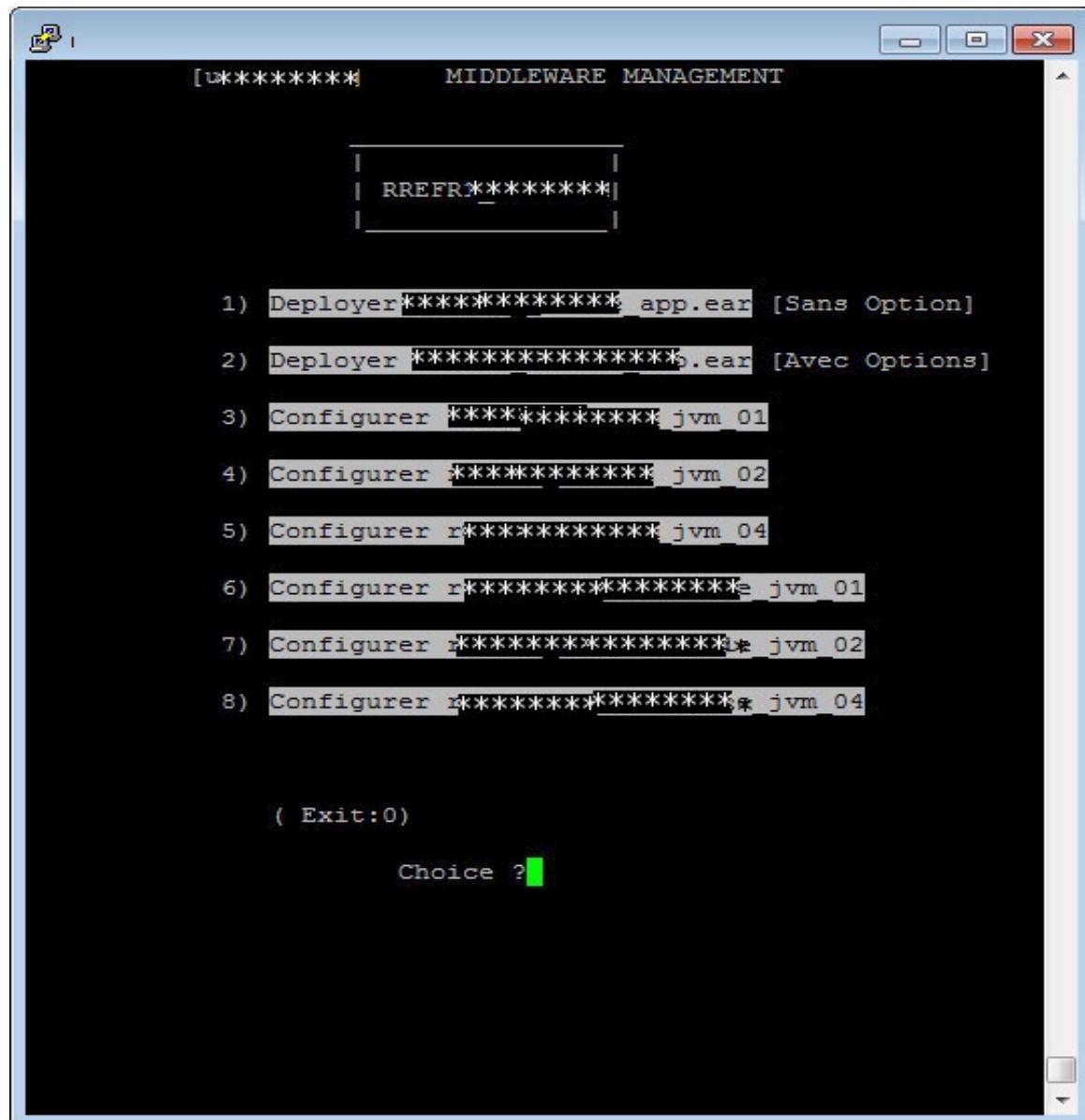
...

2 Menus Applicatifs

2.1 Sur une Machine Manager (WAS, Tomcat, Jboss)







● Deployer une Application

```
|_____|
| APPLICATION |
|_____|  
  
1/ application  
  
2/ Action: /business_application/application/instapp [Install one Application.]  
name: rrefr1_remise_app  
ear_path: /stor/rrefr1/was/7/livraison/installable/rrefr1_remise_app.ear  
ear_install_path: /stor/rrefr1/was/7/deploy  
backup_path: /stor/rrefr1/was/7/livraison/archives  
backup_remove_og: true  
vhost: rrefr1_remise_vhost  
sharedlibs: None  
post_script: None  
  
3/ Action: /business_application/application/plugin [Generate or Propagate the Plugin.]  
operation: generate  
  
4/ Action: /business_application/application/plugin [Generate or Propagate the Plugin.]  
operation: propagate  
  
5/ Action: /business_application/application/sync [Syncronize one node]  
wait_node: false  
wait_application: None  
  
6/ Action: /business_application/application/clsloader [Change a given Classloader Mode and Policy]  
policy: MULTIPLE  
mode: PARENT_FIRST  
  
7) Show custom file  
8) Print  
  
( Exit:0 Up:+)  
Choice ?
```

The screenshot shows a terminal window titled "APPLICATION" with the following content:

```
[*****] APPLICATION

ACTION: /BUSINESS_APPLICATION/APPLICATION/INSTAPP

1/ instapp> [Install one Application.]
name: rrefrl_remise_app
ear_path: /stor/rrefrl/was/7/livraison/installable/rrefrl_remise_app.ear
ear_install_path: /stor/rrefrl/was/7/deploy
backup_path: /stor/rrefrl/was/7/livraison/archives
backup_remove_og: true
vhost: rrefrl_remise_vhost
sharedlibs: None
post_script: None

2/ instapp/scopes/scope> [A scope refers to a Name Space where to create the resource]
cluster: None
node: WASHDRC1_ihs2-node
server: rrefrl_remise_wbs_02
server_type: ws

3/ instapp/scopes/scope> [A scope refers to a Name Space where to create the resource]
cluster: None
node: WASHDRC1_ihs2-node
server: rrefrl_remise_wbs_04
server_type: ws

4/ instapp/scopes/scope> [A scope refers to a Name Space where to create the resource]
cluster: None
node: WASHDRC1_ihs2-node
server: rrefrl_remise_wbs_06
server_type: ws

( Exit:0 Up:+)

Choice ?
```

```
[u*****] APPLICATION
ACTION: /BUSINESS_APPLICATION/APPLICATION/INSTAPP

5/ instapp/scopes/scope> [A scope refers to a Name Space where to create the resource]
cluster: None
node: WASHDRC1_ihs1-node
server: rrefrl_*****ps_01
server_type: ws

6/ instapp/scopes/scope> [A scope refers to a Name Space where to create the resource]
cluster: None
node: WASHDRC1_ihs1-node
server: rrefrl_*****ps_03
server_type: ws

7/ instapp/scopes/scope> [A scope refers to a Name Space where to create the resource]
cluster: rrefrl_remise_cls_01
node: None
server: None
server_type: None

8) Show custom file
9) Show Descriptor file
10) Show Help
11) Delete Action: /business_application/application/instapp
12) WAS> Execute Action: /business_application/application/instapp
13) WAS> Remove Action: /business_application/application/instapp

( Exit:0 Up:+ Down:-)
Choice ?
```

```
| ACTION: /BUSINESS_APPLICATION/APPLICATION/PLUGIN |
| |
1/ plugin> [Generate or Propagate the Plugin.]
operation: propagate

2/ plugin/scopes/scope> [A scope refers to a Name Space where to create the resource]
node: WASHDRC1_ihs2-node
server: rrefrl_remise_wbs_02
server_type: ws

3/ plugin/scopes/scope> [A scope refers to a Name Space where to create the resource]
node: WASHDRC1_ihs2-node
server: rrefrl_remise_wbs_04
server_type: ws

4/ plugin/scopes/scope> [A scope refers to a Name Space where to create the resource]
node: WASHDRC1_ihs2-node
server: rrefrl_remise_wbs_06
server_type: ws

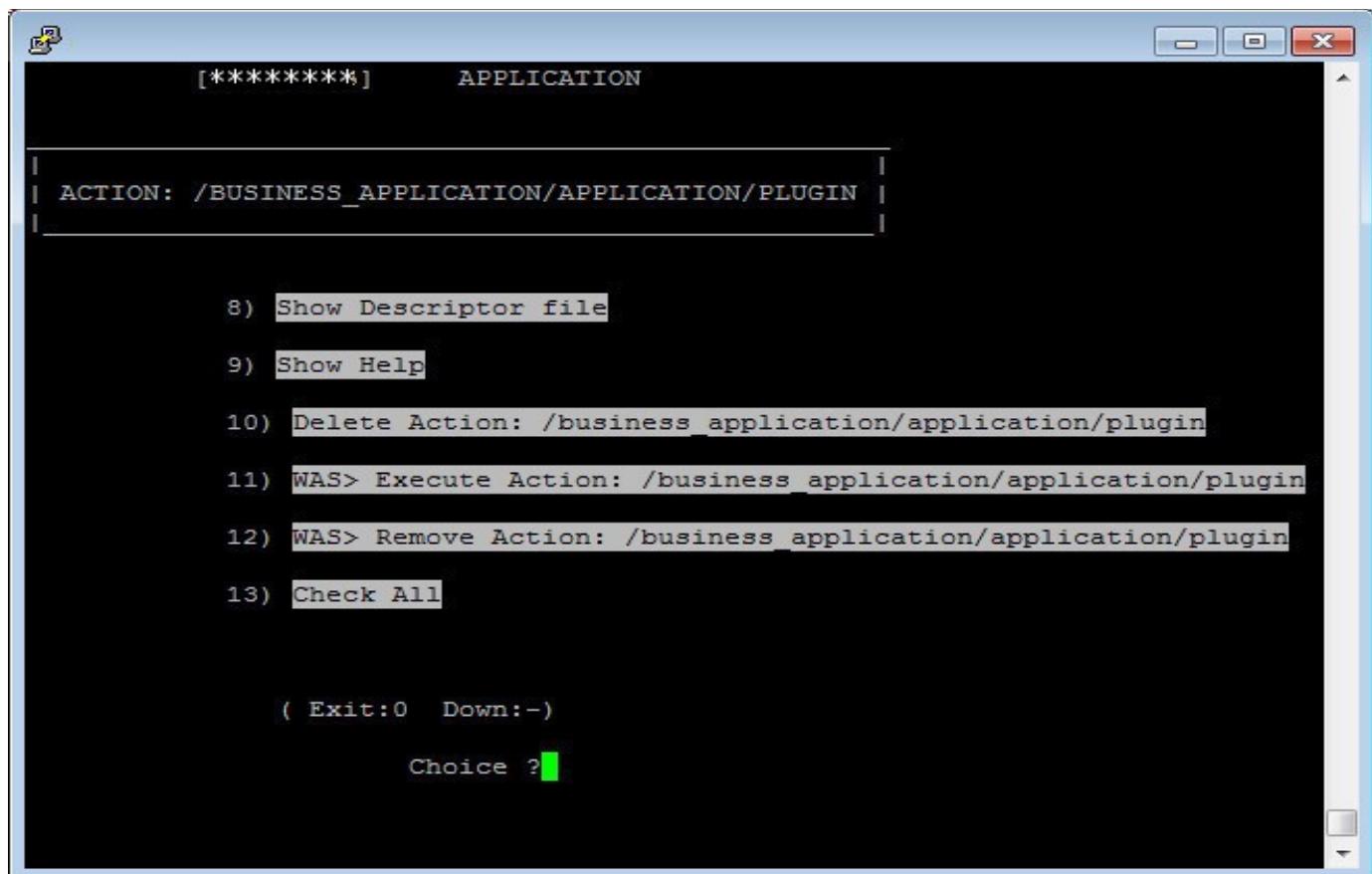
5/ plugin/scopes/scope> [A scope refers to a Name Space where to create the resource]
node: WASHDRC1_ihs1-node
server: rrefrl_remise_wbs_01
server_type: ws

6/ plugin/scopes/scope> [A scope refers to a Name Space where to create the resource]
node: WASHDRC1_ihs1-node
server: rrefrl_remise_wbs_03
server_type: ws

7) Show custom file

( Exit:0 Up:+)

Choice ?
```



The screenshot shows a command-line interface window titled "APPLICATION". The title bar includes standard window controls (minimize, maximize, close) and the title "APPLICATION". The main area displays a menu structure for "clsloader" actions. The menu items are:

- 1/ `clsloader> [Change a given Classloader Mode and Policy]`
- policy: MULTIPLE
- mode: PARENT_FIRST
- 2/ `clsloader/scope> [A scope refers to a Name Space where to create the resource]`
- node: None
- server: None
- application: rrefrl_remise_app
- war: None
- 3) `Show custom file`
- 4) `Show Descriptor file`
- 5) `Show Help`
- 6) `Delete Action: /business application/application/clsloader`
- 7) `WAS> Execute Action: /business application/application/clsloader`
- 8) `WAS> Remove Action: /business application/application/clsloader`
- 9) `Check All`

At the bottom of the menu, there is a prompt: "(Exit:0)". Below the menu, the text "Choice ?" is followed by a small green square input field.

A screenshot of a Windows command-line window titled "ACTION: /BUSINESS_APPLICATION/APPLICATION/SYNC". The window contains a numbered menu of options:

- 1/ sync> [Syncronize one node]
wait_node: false
wait_application: None
- 2/ sync/scopes/scope> [A scope refers to a Name Space where to create the resource]
node: WAS7RC1_Node4
- 3/ sync/scopes/scope> [A scope refers to a Name Space where to create the resource]
node: WAS7RC1_Node1
- 4/ sync/watch_dog> [Tune the Watch Dog]
loop: 10
sleep: 5
do_raise: false
- 5) Show custom file
- 6) Show Descriptor file
- 7) Delete Action: /business_application/application-sync
- 8) WAS> Execute Action: /business_application/application-sync
- 9) WAS> Remove Action: /business_application/application-sync
- 10) Check All

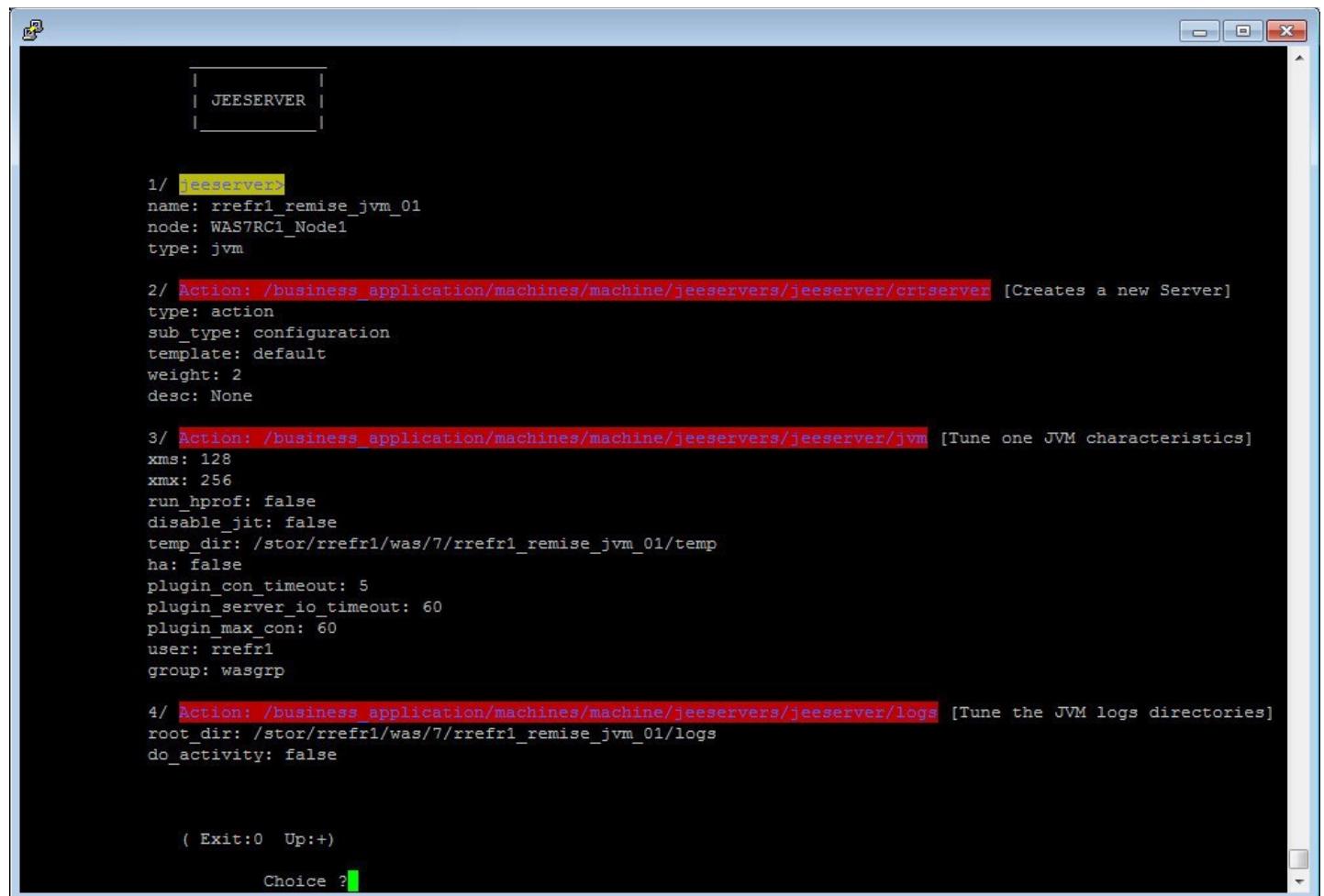
(Exit:0)

Choice ?

● Configurer une JVM

Ce menu permet de modifier (creer/detruire/modifier) toute ou partie de la configuration d'une JVM.

Ceci est possible pour tous les elements de configurtion concernant l'application.



The screenshot shows a terminal window with a title bar 'JEE SERVER'. The main area displays a configuration menu for a 'jeeserver' named 'rrefrl_remise_jvm_01' located on 'WAS7RC1_Node1'. The configuration includes:

- Action: /business_application/machines/machine/jeeservers/jeeserver/crtserver [Creates a new Server]
- xms: 128
- xmx: 256
- run_hprof: false
- disable jit: false
- temp_dir: /stor/rrefrl/was/7/rrefrl_remise_jvm_01/temp
- ha: false
- plugin_con_timeout: 5
- plugin_server_io_timeout: 60
- plugin_max_con: 60
- user: rrefrl
- group: wasgrp

Another section for tuning JVM logs is shown:

- Action: /business_application/machines/machine/jeeservers/jeeserver/logs [Tune the JVM logs directories]
- root_dir: /stor/rrefrl/was/7/rrefrl_remise_jvm_01/logs
- do_activity: false

At the bottom, there is a prompt '(Exit:0 Up:+)' and a 'Choice ?' field.

```
[*****]      JEESEVER

|-----|
| JEESEVER |
|-----|


5/ Action: /business_application/machines/machine/jeeservers/jeeserver/chgports [Change all the JVM (TM) ports]
starting_port: 20000

6/ New jeeserver/resources>

7/ jeeserver/resources>

8) Show custom file

9) Print

10) Check All

11) Save

( Exit:0 Down:-)

Choice ?
```

```
|-----|
| JEESEVER/RESOURCES> |


1) *texts
2) >> Delete all
3/ Action: /business_application/machines/machine/jeeservers/jeeserver/resources/jdbc [Creates one JDBC provider]
name: rrefrl_*****acle_01
path: /WebSphere/was/7.0/wascore/driver/oracle/11.2.0.3.0
prefix: None
desc: None

4/ resources/jdbc/scope> [A scope refers to a Name Space where to create the resource]
cell: false
node: WAS7RC1_Node1
server: rrefrl_remise_jvm_01
cluster: None

5/ resources/jdbc/oracle>
version: 5
jars: ojdbc.jar

6/ Action: /business_application/machines/machine/jeeservers/jeeserver/resources/datasrc [Creates a new DataSource]
name: rrefrl_remise_ds_01
jndi_name: /jdbc/mydb
provider: rrefrl_*****acle_01
dtype: oracle
statement_cache_size: 30
prefix: None
desc: None

( Exit:0 Up:+ Submit:c)

Choice ?
```

```
ACTION: /BUSINESS_APPLICATION/MACHINES/MACHINE/JEESERVERS/JEESERVER/RESOURCES/DATASRC

1/ datasrc> [Creates a new DataSource]
name: rrefrl_remise_ds_01
jndi_name: /jdbc/mydb
provider: rrefrl_remise_oracle_01
dbtype: oracle
statement_cache_size: 30
prefix: None
desc: None

2/ datasrc/scope> [A scope refers to a Name Space where to create the resource]
cell: false
node: WAS7RC1_Node1
server: rrefrl_remise_jvm_01
cluster: None

3/ datasrc/jaas> [Specify an allowed credential to the target Database.]
name: rrefrl_remise_jaas_01
user: mysuser
password: mypass
create: true
desc: None

4/ datasrc/connection pool/connection timeout>
value: 180

5/ datasrc/connection pool/max connections>
value: 10

( Exit:0 Up:+)

Choice ?
```

The screenshot shows a terminal window with a black background and white text. At the top, there is a header with three icons: a magnifying glass, a folder, and a red X. Below the header, the text "JEE SERVER/RESOURCES>" is displayed in a box. The main body of the window contains the following configuration options:

```
7/ resources/datasrc/scope> [A scope refers to a Name Space where to create the resource]
  cell: false
  node: WAS7RC1_Node1
  server: rrefrl_remise_jvm_01
  cluster: None

8/ resources/datasrc/jaas> [Specify an allowed credential to the target Database.]
  name: rrefrl_remise_jaas_01
  user: mysuser
  password: mypass
  create: true
  desc: None

9/ resources/datasrc/connection_pool/connection_timeout>
  value: 180

10/ resources/datasrc/connection_pool/max_connections>
  value: 10

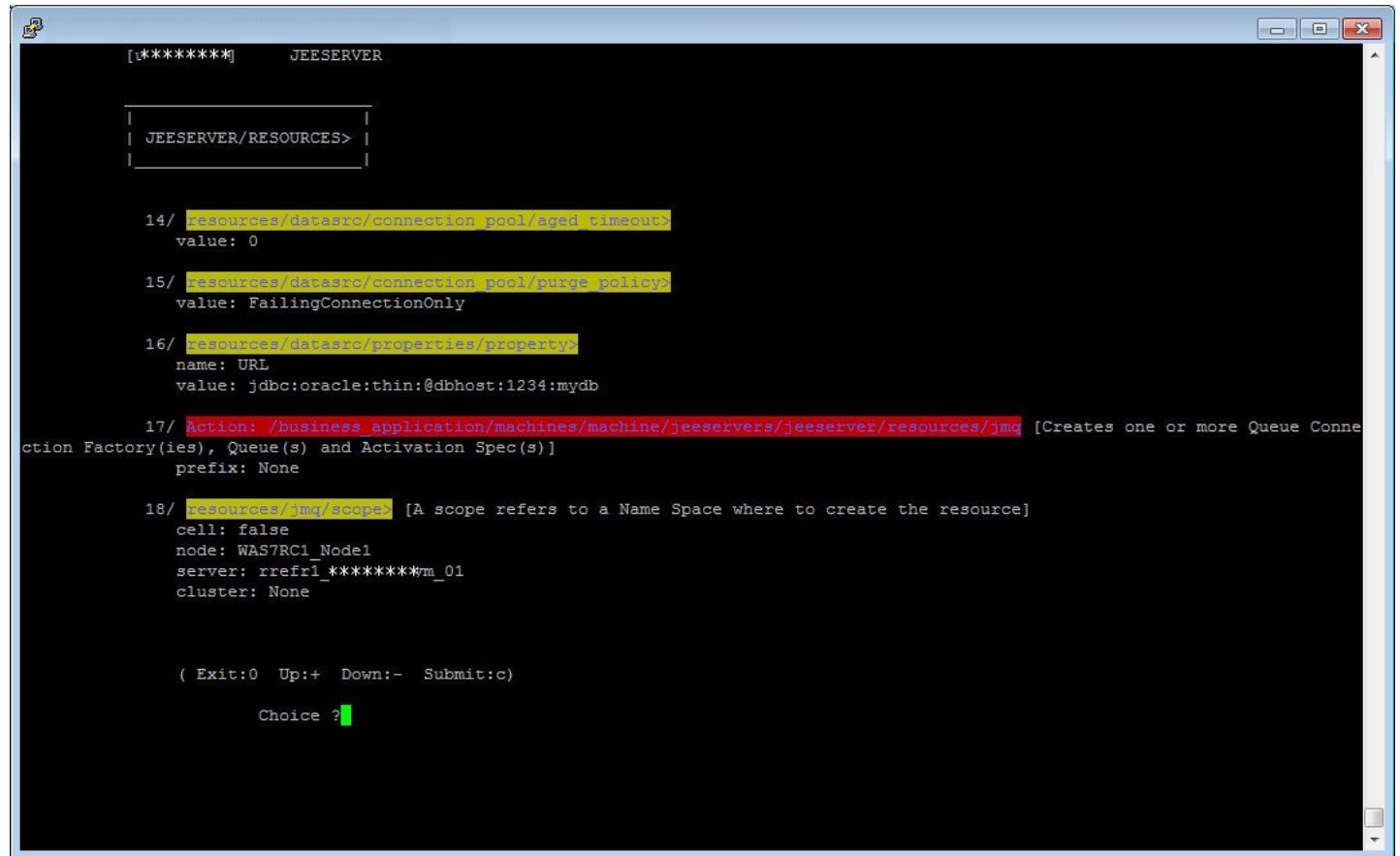
11/ resources/datasrc/connection_pool/min_connections>
  value: 1

12/ resources/datasrc/connection_pool/reap_time>
  value: 180

13/ resources/datasrc/connection_pool/unused_timeout>
  value: 1800

( Exit:0 Up:+ Down:- Submit:c)

Choice ?
```



The screenshot shows a terminal window titled "JEE SERVER" with a black background and white text. It displays a menu of configuration options numbered 14 through 18. Options 14, 15, and 16 are highlighted in yellow, while 17 and 18 are in red. Option 17 is a command with a detailed description in brackets. Option 18 is a scope definition with several parameters. At the bottom, there is a prompt for user input.

```
[*****]      JEE SERVER

| JEE SERVER/RESOURCES> |



14/ resources/datasrc/connection_pool/aged_timeout>
  value: 0

15/ resources/datasrc/connection_pool/purge_policy>
  value: FailingConnectionOnly

16/ resources/datasrc/properties/property>
  name: URL
  value: jdbc:oracle:thin:@dbhost:1234:mydb

17/ Action: /business_application/machines/machine/jeeservers/jeeserver/resources/jmq [Creates one or more Queue Connection Factory(ies), Queue(s) and Activation Spec(s)]
  prefix: None

18/ resources/jmq/scope> [A scope refers to a Name Space where to create the resource]
  cell: false
  node: WAS7RC1_Node1
  server: rrefr1_*****m_01
  cluster: None

( Exit:0 Up:+ Down:- Submit:c)
Choice ?
```

The screenshot shows a terminal window titled "JEE SERVER". The window contains the following text:

```
[*****] JEE SERVER  
|  
| JEE SERVER/RESOURCES> |  
|  
19/ [resources/jmq/qcfs/qcf] [Creates a Queue Connection Factory]  
  name: rrefr1_remise_qcf_01  
  jndi_name: jms/remonteeCommande  
  channel: RE.SVRCONN_REMISE  
  queue_manager: QMRREFR1  
  host: u203rwt011-pis1  
  port: 9515  
  ccsid: 1208  
  xa: true  
  transport_type: CLIENT  
  pollint: 250  
  desc: None  
  
20/ [resources/jmq/queues/queue] [Creates a Queue]  
  name: rrefr1_remise_queue_01  
  queue: FL999KR03jVW02  
  jndi_name: jms/wt_queue_remonteeCommandeQueueFL  
  target: JMS  
  expiry: 6000  
  channel: RE.SVRCONN_REMISE  
  queue_manager: QMRREFR1  
  host: *****l-pis1  
  port: 9515  
  ccsid: 1208  
  desc: None  
  
( Exit:0 Up:+ Down:- Submit:c)  
Choice ?
```

```
| ACTION: /BUSINESS_APPLICATION/MACHINES/MACHINE/JEESERVERS/JEESERVER/RESOURCES/DATASRC |
|  
  
1/ datasrc> [Creates a new DataSource]  
name: rrefrl_remise_ds_01  
jndi_name: /jdbc/mydb  
provider: rrefrl_remise_oracle_01  
dbtype: oracle  
statement_cache_size: 30  
prefix: None  
desc: None  
  
2/ datasrc/scope> [A scope refers to a Name Space where to create the resource]  
cell: false  
node: WAS7RC1_Node1  
server: rrefrl_remise_jvm_01  
cluster: None  
  
3/ datasrc/jaas> [Specify an allowed credential to the target Database.]  
name: rrefrl_remise_jaas_01  
user: mysuser  
password: mypass  
create: true  
desc: None  
  
4/ datasrc/connection_pool/connection timeout>  
value: 180  
  
5/ datasrc/connection_pool/max connections>  
value: 10  
  
( Exit:0 Up:+)  
Choice ?
```

```
| ACTION: /BUSINESS_APPLICATION/MACHINES/MACHINE/JEESERVERS/JEESEVER/RESOURCES/DATASRC |
 |
| 6/ [datasrc/connection pool/min connections]>
value: 1

7/ [datasrc/connection pool/reap time]>
value: 180

8/ [datasrc/connection pool/unused timeout]>
value: 1800

9/ [datasrc/connection pool/aged timeout]>
value: 0

10/ [datasrc/connection pool/purge policy]>
value: FailingConnectionOnly

11/ [datasrc/properties/property]>
name: URL
value: jdbc:oracle:thin:@dbhost:1234:mydb

12) Show custom file

13) Show Descriptor file

14) Delete Action: /business application/machines/machine/jeeservers/jeeserver/resources/datasrc

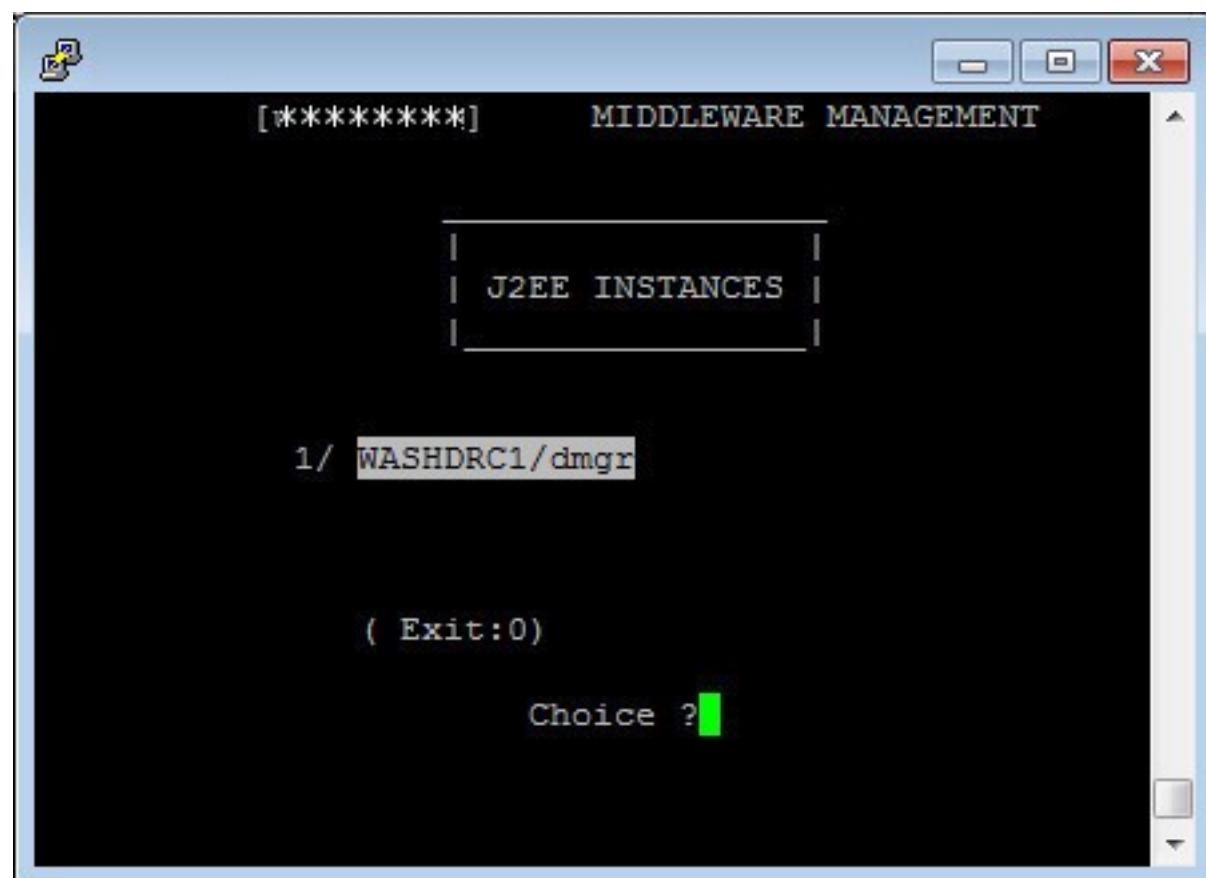
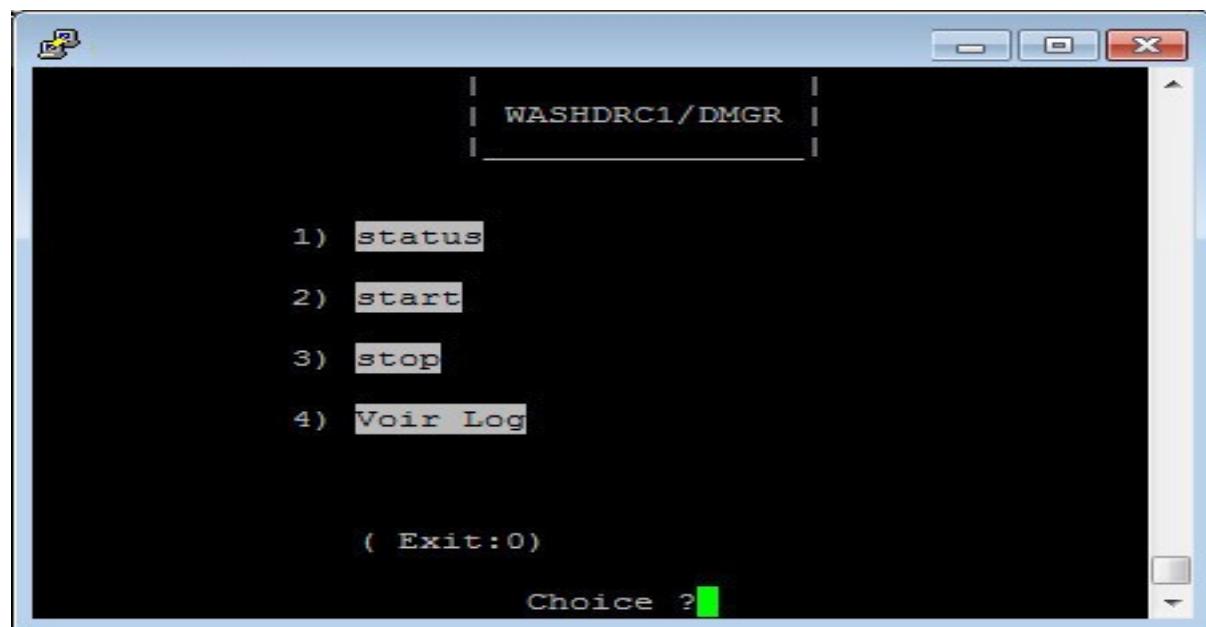
15) WAS> Execute Action: /business application/machines/machine/jeeservers/jeeserver/resources/datasrc

16) WAS> Remove Action: /business application/machines/machine/jeeservers/jeeserver/resources/datasrc

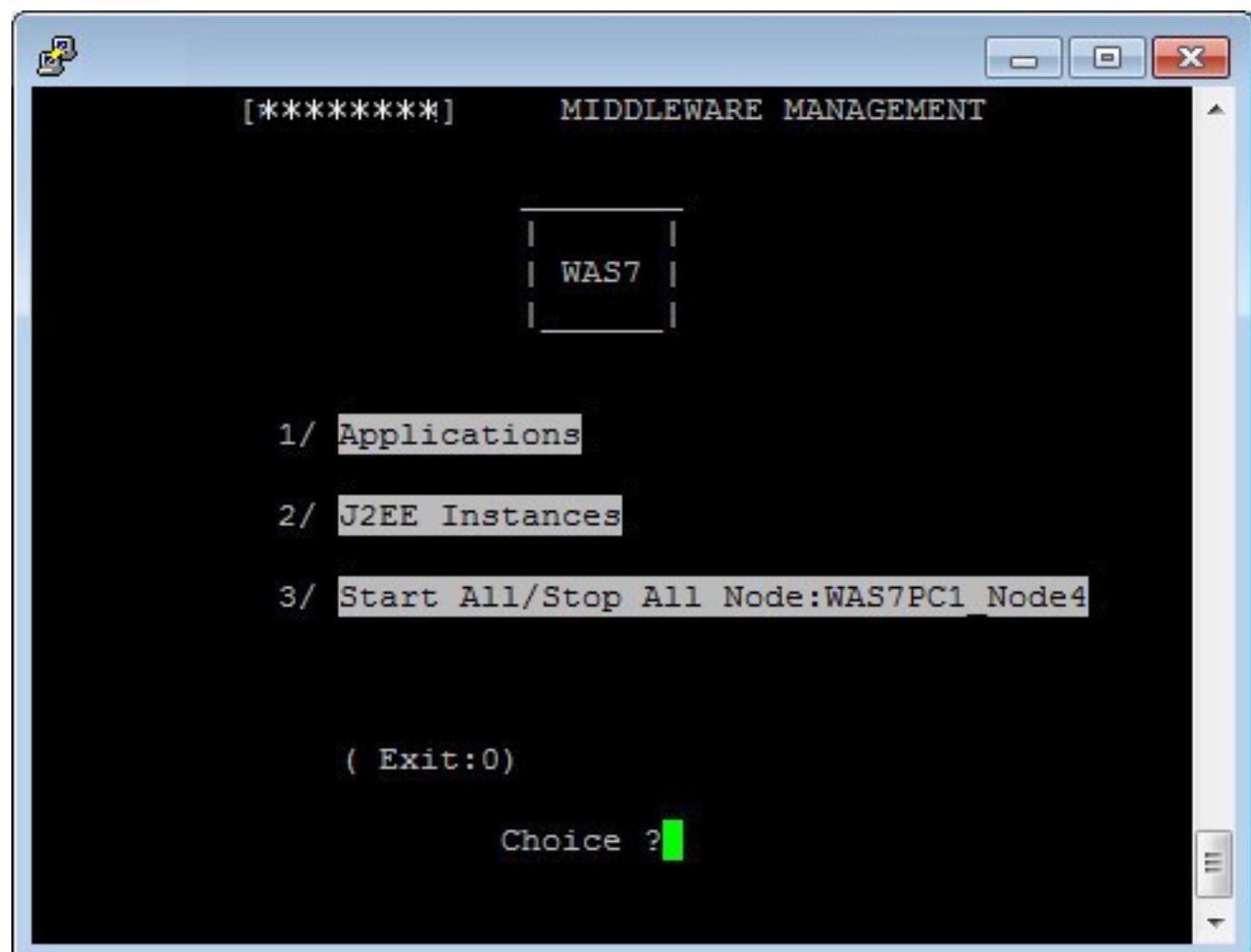
( Exit:0 Up:+ Down:-)

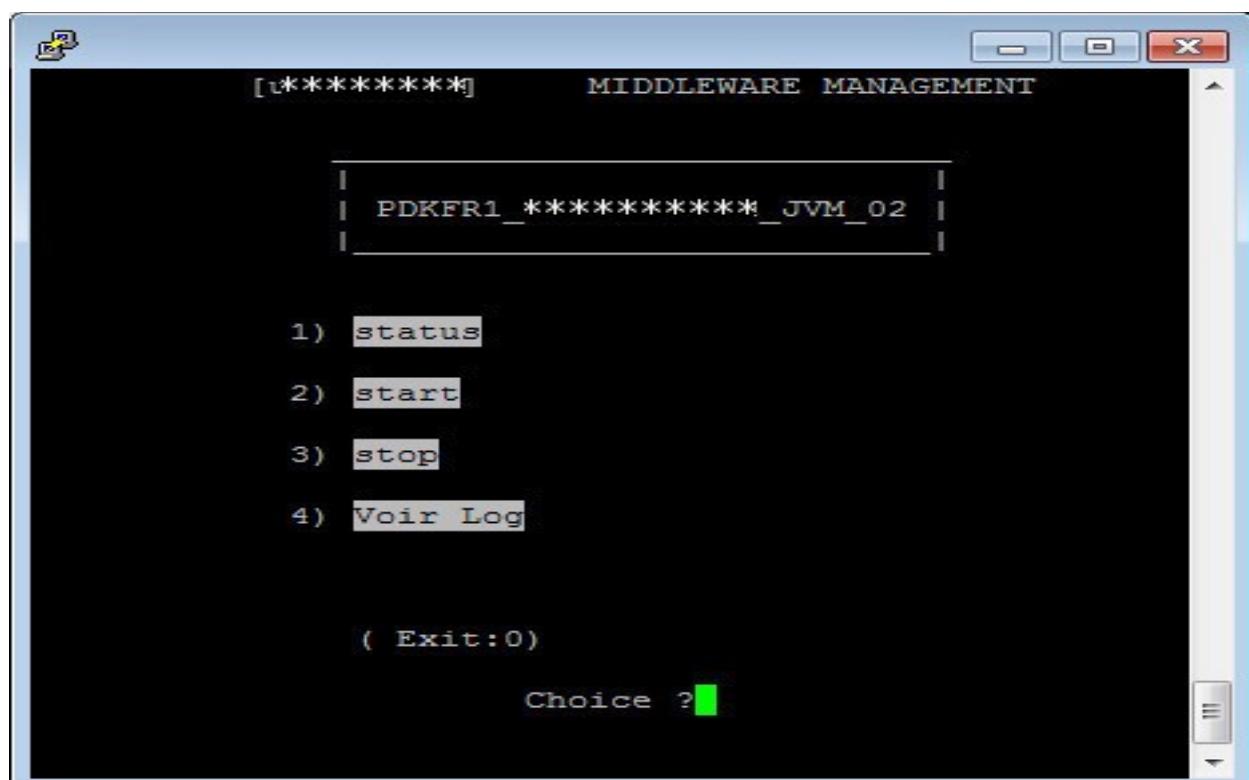
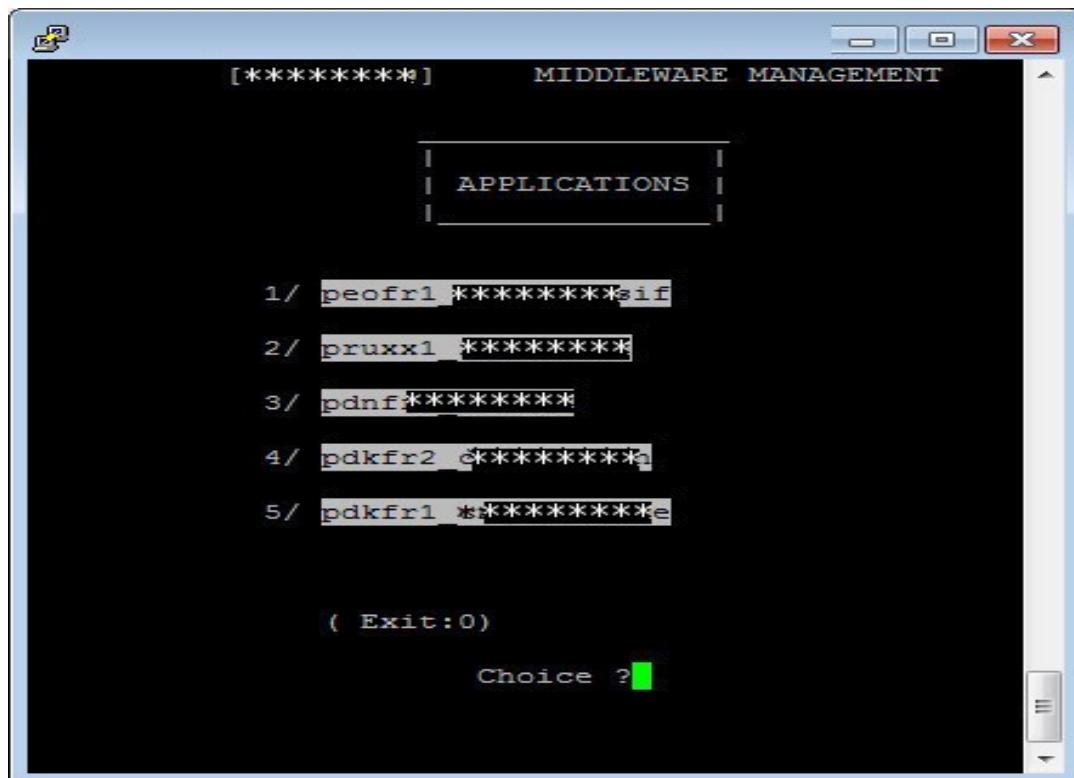
Choice ?
```

● Jeeinstances



2.2 Sur une Machine Node





```
[*****]          MIDDLEWARE MANAGEMENT

|-----|
| J2EE INSTANCES |
|-----|  
  
1/ u2*****2PNode01/nodeagent  
2/ pdkfr1 *****re jvm 02 [pdkfr1_*****re_app]  
3/ pdkfr2 *****jvm 02 [pdkfr2_*****_app]  
4/ pdnfr1*****vm 02 [pdnfr1-*****]*  
5/ peofrl1 *****2f jvm 02 [peofrl1_***_app]  
6/ pruxx1 *****e jvm 02 [pruxx1_*****_app]  
  
( Exit:0)  
Choice ?
```

```
[*****]          MIDDLEWARE MANAGEMENT

|-----|
| START ALL/STOP ALL NODE:U203EHLI40C02PNODE01 |
|-----|  
  
1/ Start All [Demarrer toutes les JVM]  
2/ Stop All [Arreter toutes les JVM]  
3) Voir le Fichier en Input [/tmp/node_u*****02P  
out]  
  
( Exit:0)  
Choice ?
```

```
[*****]      MIDDLEWARE MANAGEMENT

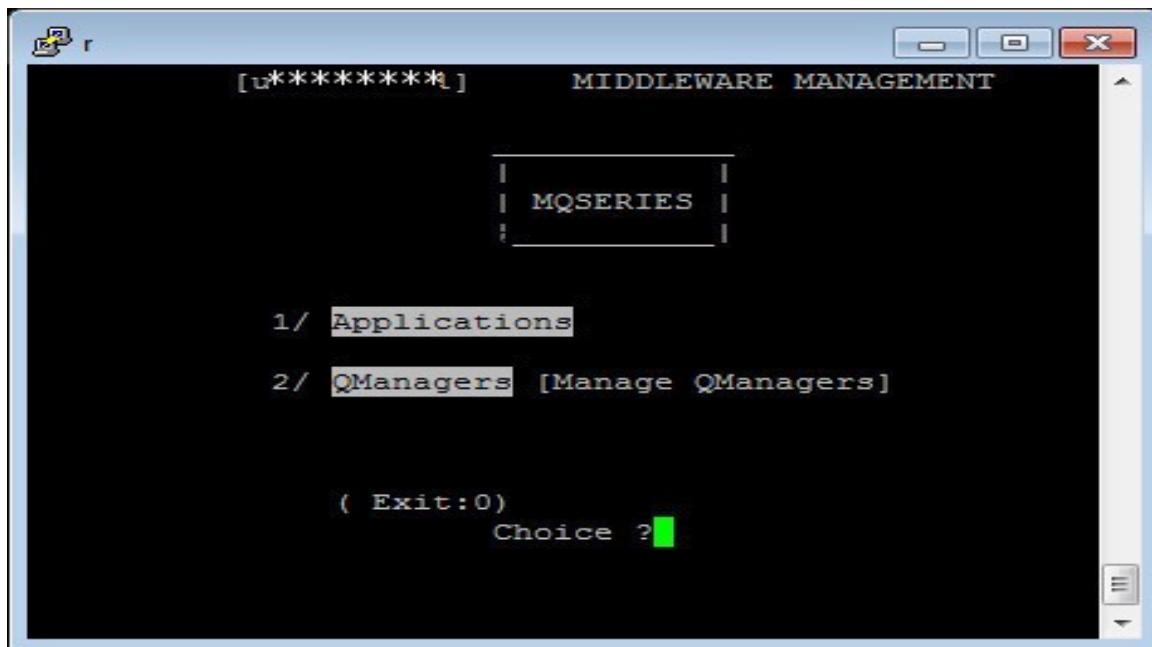
|-----|
| START ALL |
|-----|


1) do_node.....: true          [Arreter/Demarrer le node Agent ?]
2) parallelize...: 4            [Combien de JVM sont a Arreter/Demarrer simultanement ?]
3) stop_timeout.: 300           [Apres combien de temps faire un kill sur une JVM non arretee ?]
4) verbose.....: 0             [Verbosite (de 0 a 30)]


( Exit:0  Submit:s)
Choice ?3

Enter the value for field:stop_timeout.
Type:int default: 300
stop_timeout ?
```

3 Menus Systèmes MqSeries (par ex)



```
QMRCLFRO

1) Status
2) QMGR Definition
3) Start
4) Stop
5/ [QMRCLFRO] Logs
6/ [QMRCLFRO] Dead Letter Q
7/ [QMRCLFRO] Stats Enabling
8/ [QMRCLFRO] Messages Statistics Enabling
9) [QMRCLFRO] Messages Statistics Disabling
10) [QMRCLFRO] Stats Disabling
11/ [QMRCLFRO] Queue Locals [Manage Queue Locals]
12/ [QMRCLFRO] Queue Remotes [Manage Queue Remotes processed.]


( Exit:0 Up:+)
Choice ? █
```

```
[u*****] MIDDLEWARE MANAGEMENT

QMRCLFRO

13/ [QMRCLFRO] Listeners [Manage Listeners]
14/ [QMRCLFRO] Channels [Manage Channels]


( Exit:0 Down:-)
Choice ? █
```

