Script to reset NIM state and deallocate resources

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Sometimes we need to reset the state of a lpar on our NIM server. You can use smitty, but it's simpler to use a shell script.

First, we check the which NIM resources our LPAR has inside NIM:

```
[root@nim] lsnim -l lpar1
lpar1:
   class          = machines
   type           = standalone
   current_master = nim
   connect        = nimsh (secure)
   sync_required  = yes
   platform       = chrp
   netboot_kernel = mp
   if1            = ent-Network9 lpar1 0
   cable_type1    = N/A
   Cstate         = BOS installation has been enabled
   prev_state     = ready for a NIM operation
```

```
15                                  Mstate        = currently running
16                                  lpp_source    = LPP_INS_AIX61
17                                  spot          = spotimagen_aix6
18                                  cpuid         = 000U040AD401
                                    control       = master
```

As you can see, lpar1 has two resources, one lpp_source and a spot resource.
Now. it's time for this script (resetaix.ksh):

```
1
                                    #!/usr/bin/ksh
2
                                    # Copyright (C) 2012 Israel Garcia iga3725 @
3                                   yahoo.com
4                                   #
5                                   # This program is free software: you can redistribute
                                    it and/or modify
6
                                    # it under the terms of the GNU General Public
7                                   License as published by
8                                   # the Free Software Foundation, either version 3 of
                                    the License, or
9
                                    # (at your option) any later version.
10
                                    #
11
```

```
12 # This program is distributed in the hope that it will be useful,
13 # but WITHOUT ANY WARRANTY; without even the implied warranty of
14 # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
15 # GNU General Public License for more details.
16 #
17 # You should have received a copy of the GNU General Public License
18 # along with this program
19 # You need to add parameter $1 as the name of the lpar (machine resource) to the script:
20 #
21 # Check machine resource exist on NIM:
22 lsnim -c machines|grep "$1" 1>/dev/null
23 if [[ $? -eq 0 ]] ; then
24   echo
25    else
26      echo "ERROR: $1 machine resource does not exists on NIM." && exit 1
27 fi
```

```
#
nim -Fo reset $1
nim -Fo deallocate -a subclass=all $1
```

Check again machine resources:

```
[root@nim:/usr/local/bin] lsnim -l lpar1
lpar1:
   class          = machines
   type           = standalone
   current_master = nim
   connect        = nimsh (secure)
   sync_required  = yes
   platform       = chrp
   netboot_kernel = mp
   if1            = ent-Network9 lpar1 0
   cable_type1    = N/A
   Cstate         = ready for a NIM operation
   prev_state     = BOS installation has been enabled
```

```
14                                  Mstate        = currently running

15                                  cpuid         = 000E050AD400

16                                  Cstate_result  = reset
```

Just thanks if the post was helpful