```
 1  # $Id: init.sh,v 1.10 2012/08/28 00:56:39 murakami Exp murakami $
 2  #
 3  # Initialize the environment for Storage Lifecycle Management (SLM).
 4  # The Storage Resource Broker (SRB) client will be initialized as a component.
 5  # 08/10/2011 LAM - Change most SRB to SLM (both uppercase and lowercase).
 6  # 4/26/2012 LAM - Modify to accomodate @STORAGE.HPC.MIL principal.
 7  #  At the current time only @HPCMP.HPC.MIL users can use @STORAGE.HPC.MIL realm.
 8  #  Added code to only Scd if Sinit succeeded
 9  #   this stops reporting of an error noise around Sinit error.
10  # 6/19/2012 LAM - Change ${SLM_COLLECTION} to ${SLM_HOME} per request of
11  #  Navy Workshop users.  Set the socket file path environment variable as part
12  #  of fix for iTracker 6019 - Sshell is not working on the NAVY SLM instance.
13  # 6/20/2012 LAM - Use ${SLM_HOME} instead of ${SRB_HOME} to determine if the
14  #  environment is already set up so as to not conflict with use of the slm
    module.
15  # 7/2/2012 LAM - Supress reporting of ${SRB_HOME} and change reporting of
    ${SLM_HOME}
16  #  per suggestion of John Skinner (Navy DSRC) and approval of CEW.
17  # 8/13/2012 LAM - Changed to use new -coll option for session default collection.
18  # 8/27/2012 LAM - Added GREP_OPTIONS include '-n' fix.
19  # 8/31/2012 LAM - Made Navy US Site / Machine modifications.
20  # --:----|----:----|----:----|----:----|----:----|----:----|----:----|----:----|
21
22  # Extract the kerberos principal from the current kerberos keylist.
23  KLIST='/usr/local/krb5/bin/klist'
24  SLM_PRINCIPAL=`${KLIST} | grep "Default principal" | cut -d ':' -f 2 | tr -d '
    \t'`
25
26  # Test SLM_PRINCIPAL before continuing
27  if [ -z $SLM_PRINCIPAL ] ; then # SLM_PRINCIPAL was NOT retrieved from klist
    output
28  echo Cannot initialize SLM - No kerberos ticket!
29  else # SLM_PRINCIPAL was retrieved from klist output
30
31  if [ $SLM_PRINCIPAL = 'Defaultprincipal' ] ; then # If we got 'Defaultprincipal'
32    SLM_PRINCIPAL=`${KLIST} | grep "Default principal" | cut -d ':' -f 3 \
33    | tr -d ' \t'` # GREP_OPTIONS include '-n' so we want field 3.
34  fi #  If we got 'Defaultprincipal'
35
36  if [ -z $SLM_HOME ] ; then # If we haven't already set up the environment
37
38  # Set the socket file path environment variable
39
40  SRB_SESSION_UNIX_DOMAIN_PATH=/dev/shm
41  export SRB_SESSION_UNIX_DOMAIN_PATH
42
43  echo Kerberos principal: $SLM_PRINCIPAL
44
45  # Extract the SLM user name from the kerberos principal
46
47  SLM_USER=`echo $SLM_PRINCIPAL | cut -d '@' -f 1`
48  echo SLM User: $SLM_USER
49
50  # Set the SLM collection for this DSRC
51
52  SLM_HOME="/archive/${SLM_USER}/navy/katrina.m"; export SLM_HOME
53
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54  # Set the SRB_HOME value to where the most current SRB client is installed.
55  SRB_HOME="/opt/slm/current"; export SRB_HOME
56  # echo SLM Home: $SRB_HOME
57
58  LD_LIBRARY_PATH=${LD_LIBRARY_PATH}:$SRB_HOME/lib/64; export LD_LIBRARY_PATH
59  PATH=${PATH}:$SRB_HOME/bin; export PATH
60  MANPATH=${MANPATH}:$SRB_HOME/man; export MANPATH
61
62  STORAGE=`expr match $SLM_PRINCIPAL '\(.*\)@STORAGE\.HPC\.MIL'` #
    @STORAGE.HPC.MIL ?
63  if [ -z $STORAGE ] ; then # If NOT @STORAGE.HPC.MIL
64
65  SLM_AUTH_NAME="$SLM_PRINCIPAL"
66
67  else # If @STORAGE.HPC.MIL
68
69  SLM_AUTH_NAME="$SLM_USER@HPCMP.HPC.MIL"
70
71  echo SLM Authentication Name: $SLM_AUTH_NAME
72
73  fi # If NOT @STORAGE.HPC.MIL
74
75  unset STORAGE
76
77  # Set the value of the local MCAT servers for round robin use.
78
79  SLM_HOST='mcat61.navo.hpc.mil,mcat62.navo.hpc.mil'
80  echo SLM Host: $SLM_HOST
81
82  # Set the default SLM resource to a local archive.
83
84  SLM_RESOURCE='navy.katrina.m'
85  echo SLM Resource: $SLM_RESOURCE
86
87  # Set the SLM Classification level to the value for this DSRC
88
89  SLM_CLASSIFICATION='SBU'
90  echo SLM Classification Level: $SLM_CLASSIFICATION
91
92  # Write SLM defaults
93
94  Sinit -user ${SLM_AUTH_NAME} -host ${SLM_HOST} \
95  -port 5625 -comm PLAIN_TEXT -auth KERBEROS_AUTH -coll ${SLM_HOME} \
96  -rsrc ${SLM_RESOURCE} -classification ${SLM_CLASSIFICATION} -w
97
98  unset SLM_HOST SLM_RESOURCE SLM_CLASSIFICATION SLM_USER SLM_AUTH_NAME
99
100 fi # If we haven't already set up the environment
101
102 # Initialize the SRB client
103
104 if Sinit ; then # If Sinit exit status was 0
105
106 # Set the current SLM collection to the collection for this DSRC.
107
108 # echo Initial SLM Collection: ${SLM_HOME}
109 echo 'Setting initial SLM Home Collection to ${SLM_HOME}'
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```
110 echo '${SLM_HOME}='${SLM_HOME}
111
112 fi # end if Sinit exit status was 0
113
114 fi # end if SLM_PRINCIPAL was retrieved from klist output
115
116 unset KLIST SLM_PRINCIPAL
117
```