

```
1 # $Id: init.csh,v 1.8 2012/08/31 23:21:18 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 # /usr/var/tmp/ianni/srb_init.csh - James Ianni created the csh version
6 # 08/10/2011 LAM - Change most SRB to SLM (both uppercase and lowercase).
7 # 4/20/2012 LAM - Change the default classification to match the rebuild change.
8 # 4/26/2012 LAM - Modify to accomodate @STORAGE.HPC.MIL principal.
9 # At the current time only @HPCMP.HPC.MIL users can use @STORAGE.HPC.MIL realm.
10 # Added code to only Scd if Sinit succeeded
11 # this stops reporting of an error noise around Sinit error.
12 # 6/19/2012 LAM - Change ${SLM_COLLECTION} to ${SLM_HOME} per request of
13 # Navy Workshop users. Set the socket file path environment variable as part
14 # of fix for iTracker 6019 - Sshell is not working on the NAVY SLM instance.
15 # 6/20/2012 LAM - Use ${SLM_HOME} instead of ${SRB_HOME} to determine if the
16 # environment is already set up so as to not conflict with use of the slm
  module.
17 # 7/2/2012 LAM - Supress reporting of ${SRB_HOME} and change reporting of
  ${SLM_HOME}
18 # per suggestion of John Skinner (Navy DSRC) and approval of CEW.
19 # 8/13/2012 LAM - Changed to use new -coll option for session default collection.
20 # 8/31/2012 LAM - Added GREP_OPTIONS include '-n' fix.
21 # 8/31/2012 LAM - Made Navy US Site / Machine modifications.
22 # --:----|----:----|----:----|----:----|----:----|----:----|----:----|
23
24 # Extract the kerberos principal from the current kerberos keylist.
25 set KLIST = '/usr/local/krb5/bin/klist'
26 set SLM_PRINCIPAL = `${KLIST} | grep "Default principal" | cut -d ':' -f 2 | tr
  -d '\t'`
27
28 # Test SLM_PRINCIPAL before continuing
29 if ( $SLM_PRINCIPAL == "" ) then # SLM_PRINCIPAL was NOT retrieved from klist
  output
30 echo Cannot initialize SLM - No kerberos ticket!
31 else # SLM_PRINCIPAL was retrieved from klist output
32
33 if ( $SLM_PRINCIPAL == 'Defaultprincipal' ) then # If we got 'Defaultprincipal'
34   set SLM_PRINCIPAL = `${KLIST} | grep "Default principal" | cut -d ':' -f 3 \
35   | tr -d '\t'` # GREP_OPTIONS include '-n' so we want field 3.
36 endif # If we got 'Defaultprincipal'
37
38 if ( ! $?SLM_HOME ) then # If we haven't already set up the environment
39
40 # Set the socket file path environment variable
41
42 setenv SRB_SESSION_UNIX_DOMAIN_PATH /dev/shm
43
44 echo Kerberos principal: $SLM_PRINCIPAL
45
46 # Extract the SLM user name from the kerberos principal
47
48 set SLM_USER = `echo $SLM_PRINCIPAL | cut -d '@' -f 1`
49 echo SLM User: $SLM_USER
50
51 set STORAGE = `expr match $SLM_PRINCIPAL '\(.*\)@STORAGE\.HPC\.MIL'`
52
53 if ( ! $?STORAGE ) then
```

```
54 set SLM_AUTH_NAME = "$SLM_PRINCIPAL"
55 else
56 set SLM_AUTH_NAME = "$SLM_USER@HPCMP.HPC.MIL"
57 echo SLM Authentication Name: $SLM_AUTH_NAME
58 endif
59
60 # Set the value of the local MCAT servers for round robin use.
61
62 set SLM_HOST = 'mcat61.navo.hpc.mil,mcat62.navo.hpc.mil'
63 echo SLM Host: $SLM_HOST
64
65 # Set the default SLM resource to a local archive.
66
67 set SLM_RESOURCE = "navy.katrina.m"
68 echo SLM Resource: $SLM_RESOURCE
69
70 # Set the SLM Classification level to the value for this DSRC
71
72 set SLM_CLASSIFICATION = 'SBU'
73 echo SLM Classification Level: $SLM_CLASSIFICATION
74
75 # Set the SLM collection for this DSRC
76
77 setenv SLM_HOME "/archive/${SLM_USER}/navy/katrina.m"
78
79 # Set the SRB_HOME value to where the most current SRB client is installed.
80 setenv SRB_HOME /opt/slm/current
81 # echo SLM Home: $SRB_HOME
82
83 setenv PATH ${PATH}:${SRB_HOME}/bin
84
85 if ( $?LD_LIBRARY_PATH ) then
86     setenv LD_LIBRARY_PATH ${LD_LIBRARY_PATH}:${SRB_HOME}/lib/64
87 else
88     setenv LD_LIBRARY_PATH ${SRB_HOME}/lib/64
89 endif
90
91 if ( $?MANPATH ) then
92     setenv MANPATH ${MANPATH}:${SRB_HOME}/man
93 else
94     setenv MANPATH `manpath`:${SRB_HOME}/man
95 endif
96
97 # Write SRB defaults
98
99 Sinit -user ${SLM_AUTH_NAME} -host ${SLM_HOST} \
100 -port 5625 -comm PLAIN_TEXT -auth KERBEROS_AUTH -coll ${SLM_HOME} \
101 -rsrc ${SLM_RESOURCE} -classification ${SLM_CLASSIFICATION} -w
102
103 unset SLM_USER SLM_HOST SLM_RESOURCE SLM_CLASSIFICATION
104
105 endif # If we haven't already set up the environment
106
107 # Initialize the SRB client
108
109 if ( { Sinit } ) then
110
```

```
111 # Set the current SLM collection to the collection for this DSRC.
112
113 # echo Initial SLM Collection: ${SLM_HOME}
114 echo 'Setting initial SLM Home Collection to ${SLM_HOME}'
115 echo '${SLM_HOME}=${SLM_HOME}'
116
117 endif # end if Sinit returned without error
118
119 endif # end if SLM_PRINCIPAL was retrieved from klist output
120
121 unset KLIST SLM_PRINCIPAL
122
```