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1 root@holmes:/sadmin/lib# ./sadminlib_std_test.sh
2
3 =====
4 Library V2.19 - Script V2.8                      FUNCTIONS AVAILABLE IN SADM_LIB_STD.SH (Part I)
5
6 VARIABLE AVAILABLE TO USE          DESCRIPTION          RETURN VALUE
7                                     PREFIX & SUFFIX BY 3 DOTS
8 =====
9 $(sadm_get_release)                SADMIN Release Number (XX.XX)          : ...00.85...
10 $(sadm_get_ostype)                 OS Type (Always in Uppercase) (LINUX,AIX,...) : ...LINUX...
11 $(sadm_get_osversion)              OS Version (Ex: 7.2, 6.5)              : ...7.4.1708...
12 $(sadm_get_osmajorversion)         OS Major Version (Ex 7, 6)             : ...7...
13 $(sadm_get_osminorversion)         OS Minor Version (Ex 2, 3)             : ...4...
14 $(sadm_get_osname)                 OS Distribution (Always in Uppercase) (Ex:REDHAT,CENTOS,UBUNTU) : ...CENTOS...
15 $(sadm_get_oscodename)             OS Project Code Name                   : ...Core...
16 $(sadm_get_kernel_version)         OS Running Kernel Version (Ex: 3.10.0-229.20.1.el7.x86_64) : ...3.10.0-693...
17 $(sadm_get_kernel_bitmode)         OS Kernel Bit Mode is a 32 or 64 Bits  : ...64...
18 $(sadm_get_hostname)               Host Name                              : ...holmes...
19 $(sadm_get_host_ip)                Host IP Address                        : ...192.168.1.12...
20 $(sadm_get_domainname)             Host Domain Name                      : ...maison.ca...
21 $(sadm_get_fqdn)                   Fully Qualified Host Name              : ...holmes.maison.ca...
22 $(sadm_get_epoch_time)              Get Current Epoch Time                 : ...1520820284...
23 $(sadm_epoch_to_date 1520820284)    Convert epoch time to date (YYYY.MM.DD HH:MM:SS) : ...2018.03.11 22:04:44...
24 $(sadm_date_to_epoch '2018.03.11 22:04:44') Convert Date to epoch time (YYYY.MM.DD HH:MM:SS) : ...1520820284...
25 $(sadm_elapse_time '2016.01.30 10:00:44' '2016.01.30 10:00:03') Return Elapse Time between two timestamp : ...00:00:41...
26 adm_toupper string                 Return the string it receive in uppercase : ...STRING...
27 adm_tolower STRING                 Return the string it receive in lowercase : ...string...
28 adm_is_root                         True if script is running as root, False if not. : ...true...
29 =====
30
31 Library V2.19 - Script V2.8                      FUNCTIONS AVAILABLE IN SADM_LIB_STD.SH (Part II)
32
33 FUNCTION NAME                      DESCRIPTION OF IMPORTANT FUNCTION
34 =====
35 adm_start                          Start and initialize sadm environment - Accept no Parameter
36                                     If SADMIN root directory is not /sadmin, make sure the SADMIN Env. variable is set to proper
37                                     directory.
38                                     Please call this function when your script is starting

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38      What this function will do for us :
39      1) Make sure All SADM directories and sub-directories exist and they have proper permissions.
40      2) Make sure the log file exist with proper permission (/sadmin/log/holmes_sadmlib_std_test.log)
41      3) Make sure the Return Code History Log exist and have the right permission
42      4) Create script PID file - If it exist and user want to run only 1 copy of script, then abort
43      5) Add line in the [R]eturn [C]ode [H]istory file stating script is started (Code 2)
44      6) Write HostName - Script name and version - O/S Name and version to the Log file (SADM_LOG)
45
46  sadm_stop 0      Accept one parameter - Either 0 (Successfull) or non-zero (Error Encountered)
47                  Please call this function just before your script end
48                  What this function do.
49                  1) If Exit Code is not zero, change it to 1.
50                  2) Get Actual Time and Calculate the Execution Time.
51                  3) Writing the Script Footer in the Log (Script Return code, Execution Time, ...)
52                  4) Update the RCH File (Start/End/Elapse Time and the Result Code)
53                  5) Trim The RCH File Based on User choice in sadmin.cfg
54                  6) Write to Log the user mail alerting type choose by user (sadmin.cfg)
55                  7) Trim the Log based on user selection in sadmin.cfg
56                  8) Send Email to sysadmin (if user selected that option in sadmin.cfg)
57                  9) Delete the PID File of the script (SADM_PID_FILE)
58                  10) Delete the Uers 3 TMP Files (SADM_TMP_FILE1, SADM_TMP_FILE2, SADM_TMP_FILE3)
59
60  =====
61  =
62  =====
63  =
64  Library V2.19 - Script V2.8      FUNCTIONS AVAILABLE IN SADM_LIB_STD.SH (Part III)
65
66                                     RETURN VALUE
67  VARIABLE AVAILABLE TO USE      DESCRIPTION      PREFIX & SUFFIX BY 3 DOTS
68  =====
69  =
70  $(sadm_server_ips)      All Network Interfaces IP Address and Netmask use on server      :
71  ...em1|192.168.1.12|255.255.255.0|98:90:96:b7:64:a2,em1:1|192.168.1.20|255.255.255.0|98:90:96:b7:64:a2,em1:2|192.168.1.68|255.255.255.0|
72  98:90:96:b7:64:a2,em1:3|192.168.1.13|255.255.255.0|98:90:96:b7:64:a2,em1:4|192.168.1.6|255.255.255.0|98:90:96:b7:64:a2,em1:5|192.168.1.
73  23|255.255.255.0|98:90:96:b7:64:a2,em1:6|192.168.1.126|255.255.255.0|98:90:96:b7:64:a2,em1:7|192.168.1.28|255.255.255.0|98:90:96:b7:64:
74  a2...
75
76  $(sadm_server_type)      Host is Physical or Virtual (P/V)      : ...P...
77  $(sadm_server_model)      Server model is (Ex: OptiPlex 755)      : ...OptiPlex 7020...
78  $(sadm_server_serial)      Server serial number is (Ex: 4S7GYF1)      : ...BJSV942...
79  $(sadm_server_memory)      Server total memory in MB (Ex: 3790)      : ...7731...
80  $(sadm_server_hardware_bitmode)      Server CPU Hardware is a 32 or 64 bits capable      : ...64...
81  $(sadm_server_nb_logical_cpu)      Number of Logical CPU on the server (Ex: 4)      : ...4...
82  $(sadm_server_nb_cpu)      Number of Physical CPU on the server (Ex: 4)      : ...1...
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74 $(sadm_server_nb_socket)      Number of socket on the server (Ex: 2)      : ...1...
75 $(sadm_server_core_per_socket) Number of Core per Socket (Ex: 4)      : ...4...
76 $(sadm_server_thread_per_core) Number of Thread per Core      : ...1...
77 $(sadm_server_cpu_speed)      Server CPU Speed in MHz      : ...3369...
78 $(sadm_server_disks)          Server disks list (MB) (Ex: DISKNAME|SIZE,DISKNAME|SIZE,...) : ...sda|512000,sdb|1024000...
79 $(sadm_server_vg)             Server vg(s) list (MB) (Ex: VGNAME|SIZE|USED|FREE,...)      : ...rootvg|476426|376822|99604...
80
81 =====
82 =====
... =
83 Library V2.19 - Script V2.8                                GLOBAL VARIABLES AVAILABLE TO USER (Part I)
84
85 VARIABLE NAME      VALUE
86 =====
... =
87 DIRECTORIES VARIABLES
88
89 SADM_BASE_DIR      = /sadmin
90 SADM_BIN_DIR       = /sadmin/lib
91 SADM_TMP_DIR        = /sadmin/tmp
92 SADM_LIB_DIR        = /sadmin/lib
93 SADM_LOG_DIR        = /sadmin/log
94 SADM_CFG_DIR        = /sadmin/cfg
95 SADM_SYS_DIR        = /sadmin/sys
96 SADM_DAT_DIR        = /sadmin/dat
97 SADM_PKG_DIR        = /sadmin/pkg
98 SADM_NMON_DIR       = /sadmin/dat/nmon
99 SADM_DR_DIR         = /sadmin/dat/dr
100 SADM_SAR_DIR        = /sadmin/dat/sar
101 SADM_RCH_DIR        = /sadmin/dat/rch
102 SADM_NET_DIR        = /sadmin/dat/net
103 SADM_WWW_DIR        = /sadmin/www
104 SADM_WWW_DOC_DIR    = /sadmin/www/doc
105 SADM_WWW_DAT_DIR    = /sadmin/www/dat
106 SADM_WWW_LIB_DIR    = /sadmin/www/lib
107 SADM_WWW_RCH_DIR    = /sadmin/www/dat/holmes/rch
108 SADM_WWW_SAR_DIR    = /sadmin/www/dat/holmes/sar
109 SADM_WWW_NET_DIR    = /sadmin/www/dat/holmes/net
110 SADM_WWW_DR_DIR     = /sadmin/www/dat/holmes/dr
111 SADM_WWW_NMON_DIR   = /sadmin/www/dat/holmes/nmon
112 SADM_WWW_TMP_DIR    = /sadmin/www/tmp
113 SADM_WWW_LOG_DIR    = /sadmin/www/dat/holmes/log
114 SADM_PID_FILE       = /sadmin/tmp/sadmlib_std_test.pid
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115 SADM_CFG_FILE      = /sadmin/cfg/sadmin.cfg
116 SADM_REL_FILE      = /sadmin/cfg/.release
117 SADM_CFG_HIDDEN    = /sadmin/cfg/.sadmin.cfg
118 SADM_TMP_FILE1     = /sadmin/tmp/sadmlib_std_test_1.30540
119 SADM_TMP_FILE2     = /sadmin/tmp/sadmlib_std_test_2.30540
120 SADM_TMP_FILE3     = /sadmin/tmp/sadmlib_std_test_3.30540
121 SADM_LOG            = /sadmin/log/holmes_sadmlib_std_test.log
122 SADM_RCHLOG         = /sadmin/dat/rch/holmes_sadmlib_std_test.rch
123 DBPASSFILE         = /sadmin/cfg/.dbpass
124 SADM_SERVER         = holmes.maison.ca
125 SADM_DOMAIN         = maison.ca
126
127 PROGRAM USED & MISC. VARIABLES
128
129 SADM_LSB_RELEASE    = /bin/lsb_release
130 SADM_DMIDECODE      = /sbin/dmidecode
131 SADM_FACTER         = /bin/facter
132 SADM_BC             = /bin/bc
133 SADM_FDISK          = /sbin/fdisk
134 SADM_WHICH          = /bin/which
135 SADM_PERL           = /bin/perl
136 SADM_MAIL           = /bin/mail
137 SADM_LSCPU          = /bin/lscpu
138 SADM_NMON           = /bin/nmon
139 SADM_PARTED         = /sbin/parted
140 SADM_ETHTOOL        = /sbin/ethtool
141 SADM_SSH            = /bin/ssh
142 SADM_DASH           = =====
143 SADM_TEN_DASH       = -----
144 VARIABLES LOADED FROM SADM CONFIGURATION FILE
145
146 SADM_MAIL_ADDR      = duplessis.jacques@gmail.com
147 SADM_MAIL_TYPE      = 1
148 SADM_CIE_NAME       = Batcave
149 SADM_HOST_TYPE      = S
150 SADM_USER           = sadmin
151 SADM_GROUP          = sadmin
152 SADM_SSH_PORT       = 32
153 SADM_RRDTOOL        = /bin/rrdtool
154 SADM_WWW_USER       = apache
155 SADM_WWW_GROUP      = sadmin
156 SADM_MAX_LOGLINE    = 2000
157 SADM_MAX_RCLINE     = 125

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158 SADM_NMON_KEEPPAYS      = 60
159 SADM_SAR_KEEPPAYS      = 60
160 SADM_RCH_KEEPPAYS      = 60
161 SADM_LOG_KEEPPAYS      = 60
162 SADM_DBNAME            = sadmin
163 SADM_DBDIR             = /var/lib/mysql
164 SADM_DBHOST            = sadmin.maison.ca
165 SADM_DBPORT            = 3306
166 SADM_RW_DBUSER         = sadmin
167 SADM_RW_PGPWD          = Nimdas17!
168 SADM_RO_DBUSER         = squery
169 SADM_RO_DBPWD          = Query18!
170 SADM_NETWORK1          = 192.168.1.0/24
171 SADM_NETWORK2          =
172 SADM_NETWORK3          =
173 SADM_NETWORK4          =
174 SADM_NETWORK5          =
175 SADM_MKSYSB_NFS_SERVER = batnfs.maison.ca
176 SADM_MKSYSB_NFS_MOUNT_POINT = /volume1/mksysb
177 SADM_MKSYSB_BACKUP_TO_KEEP = 2
178 SADM_REAR_NFS_SERVER   = batnas.maison.ca
179 SADM_REAR_NFS_MOUNT_POINT = /volume1/Linux_DR
180 SADM_REAR_BACKUP_TO_KEEP = 3
181 SADM_BACKUP_NFS_SERVER = batnas.maison.ca
182 SADM_BACKUP_NFS_MOUNT_POINT = /volume1/linux
183 SADM_BACKUP_NFS_TO_KEEP = 3
184 SADM_STORIX_NFS_SERVER = batnas.maison.ca
185 SADM_STORIX_NFS_MOUNT_POINT = /volume1/storix
186 SADM_STORIX_BACKUP_TO_KEEP = 3
187 root@holmes:/sadmin/lib#
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