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1  =====
2  Tue 16 Aug 2022 11:03:36 - sadmlib_std_demo.sh v3.24 - Library v4.05
3  Desc: Demonstrate functions & variables available to developers using SADMIN Tools
4  Host: sherlock.maison.ca - User: root - Arch: x86_64 - SADMIN: /opt/sadmin
5  Almalinux Linux release 9.0 - Kernel 5.14.0-70.22.1.el9_0.x86_64
6  =====
7
8
9
10 =====
11 User Var. that affect SADMIN behavior  Description                      This System Result
12 =====
13 [001] $SADM_VER                        Script Version Number           : 3.24
14 [002] $SADM_PN                         Script Name                     : sadmlib_std_demo.sh
15 [003] $SADM_INST                      Script Name Without Extension   : sadmlib_std_demo
16 [004] $SADM_USERNAME                  Current User Name               : root
17 [005] $SADM_TPID                      Current Process ID             : 1128072
18 [006] $SADM_MULTIPLE_EXEC             Allow running multiple copy [Y/N] : Y
19 [007] $SADM_USE_RCH                   Generate entry in '*.rch' file   : N
20 [008] $SADM_LOG_TYPE                  Set Output to [S]creen [L]og [B]oth : B
21 [009] $SADM_LOG_APPEND                Append to Log=Y, Create new log=N : N
22 [010] $SADM_LOG_HEADER                Generate Header in log [Y,N]    : Y
23 [011] $SADM_LOG_FOOTER                Generate or not Footer in log [Y/N] : Y
24 [012] $SADM_EXIT_CODE                 Current value of script exit code : 0
25 [013] $SADM_ROOT_ONLY                 Only run by 'root' user [Y/N]   : Y
26 [014] $SADM_SERVER_ONLY               Only run on SADMIN server [Y/N]  : N
27
28 =====
29 Calling Functions                    Description                      This System Result
30 =====
31 [001] $(sadm_get_release)             SADMIN Release Number (XX.XX)   : 1.4.0
32 [002] $(sadm_get_ostype)               OS Type (Uppercase,LINUX,AIX,DARWIN): LINUX
33 [003] $(sadm_get_osversion)            Return O/S Version (Ex: 7.2, 6.5) : 9.0
34 [004] $(sadm_get_osmajorversion)       Return O/S Major Version (Ex 7, 6) : 9
35 [005] $(sadm_get_osminorversion)       Return O/S Minor Version (Ex 2, 3) : 0
36 [006] $(sadm_get_osname)               O/S Name (REDHAT,CENTOS,UBUNTU,...) : ALMALINUX
37 [007] $(sadm_get_oscodename)           O/S Project Code Name          : EmeraldPuma
38 [008] $(sadm_get_kernel_version)       O/S Running Kernel Version     : 5.14.0-70.22.1.el9_0.x86_64
39 [009] $(sadm_get_kernel_bitmode)       O/S Kernel Bit Mode (32 or 64)  : 64
40 [010] $(sadm_get_hostname)             Current Host Name               : sherlock
41 [011] $(sadm_get_host_ip)              Current Host IP Address         : 192.168.1.48
42 [012] $(sadm_get_domainname)           Current Host Domain Name       : maison.ca
43 [013] $(sadm_get_fqdn)                 Fully Qualified Domain Host Name : sherlock.maison.ca
44 [014] $(sadm_server_serial)            Server serial number (Ex: 4S7GYF1) : BJSV942

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45 [015] $(sadm_get_epoch_time)          Get Current Epoch Time          : 1660662217
46 [016] $(sadm_epoch_to_date 1660662217) Convert epoch time to date      : 2022.08.16 11:03:37
47   WDATE='2022.08.16 11:03:37'
48 [017] $(sadm_date_to_epoch "$WDATE")   Convert Date to epoch time      : 1660662217
49   DATE1='2016.01.30 10:00:44'
50   DATE2='2016.01.30 10:00:03'
51 [018] $(sadm_elapse "$DATE1" "$DATE2") Elapse Time between two timestamps : 00:00:41
52 [019] $(sadm_get_packagetype)          Get package type (rpm,deb,aix,dmg) : rpm
53 [020] $(sadm_server_arch)              System Architecture              : x86_64
54 [021] sadm_lock_system "hostname"      Lock the specified hostname       : 0=Lock 1=Error not lock
55 [022] sadm_check_system_lock "hostname" Check if specified hostname is lock : 0=Not Lock - 1=System Locked
56 [023] sadm_unlock_system "hostname"    Unlock the specified hostname     : 0=Unlocked 1=Error could not unlock
57 [024] sadm_writelog "message"          Depreciated use 'sadm_write_log'  : message
58 [025] sadm_write_log "message"         Write message to Screen, Log or Both: message
59 [026] sadm_write_err "message"         Write mess to error log & to std log: message
60 [027] sadm_sendmail(mail,sub,body,att)  sadm_sendmail(email,'subject',body,file1,...): 0=Success
    1=Error
61 [028] sadm_show_version                 Cmdline -v option show script info. :
62 [029] sadm_sleep "60" "15"             Sleep 60sec. at interval of 15sec.  : 60...45...30...15...0
63 [030] sadm_trimfile "filename" 35      Keep the last 35 lines of filename. : 0=Success 1=Error
64
65 =====
66 FUNCTIONS AVAIL. ONLY IN BASH LIBRARY  Description                      This System Result
67 =====
68 [001] $(sadm_server_type)               Host is Physical or Virtual (P/V)  : P
69 [002] $(sadm_server_model)              Server model (Ex: HP ProLiant DL580): OptiPlex 7020
70 [003] $(sadm_server_memory)             Server total memory in MB (Ex: 3790): 23682
71 [004] $(sadm_server_hardware_bitmode)   CPU Hardware capable of 32/64 bits : 64
72 [005] $(sadm_server_nb_logical_cpu)     Number of Logical CPU on server    : 4
73 [006] $(sadm_server_nb_cpu)             Number of Physical CPU on server    : 1
74 [007] $(sadm_server_nb_socket)          Number of socket on server         : 1
75 [008] $(sadm_server_core_per_socket)    Number of Core per Socket          : 4
76 [009] $(sadm_server_thread_per_core)    Number of Thread per Core          : 1
77 [010] $(sadm_server_cpu_speed)           Server CPU Speed in MHz            : 3700
78 [011] $(sadm_server_disks)              Disks list(MB) (DISKNAME|SIZE,...) : sda|122880
79 [012] $(sadm_server_vg)                 VG list(MB) (VGNAME|SIZE|USED|FREE) : almalinux_sherlock|113448|113448|0
80 [013] $(sadm_server_ips)                Network IP(Name|IP|Netmask|MAC)    : eno1|192.168.1.48|255.255.255.0|
    98:90:96:b7:64:a2,eno1|192.168.1.8|255.255.255.0|98:90:96:b7:64:a2
81 [014] sadm_toupper string               Return string uppercase            : STRING
82 [015] sadm_tolower STRING               Return string lowercase            : string
83 [016] sadm_capitalize STRING             Return string capitalize           : String
84 [017] sadm_ask "Question"               Show message & wait for [Y/y/N/n]  : Question [Y/N] ? - (0=N 1=Y)
85
86 =====

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87 Overview of sadm_start() and sadm_stop()
   functions.
88 =====
89 Example of utilization:
90
91 # sadm_start                                # Init Env Dir & RC/Log File
92 # if [ $? -ne 0 ] ; then sadm_stop 1 ; exit 1 ;fi  # Exit if Problem
93 # main_process                                # Main Process
94 # SADM_EXIT_CODE=$?                          # Save Error Code
95 # sadm_stop $SADM_EXIT_CODE                  # Close SADM Tool & Upd RCH
96 # exit $SADM_EXIT_CODE                      # Exit With Global Err (0/1)
97
98 Function 'sadm_start()':
99   Start and initialize SADMINenvironment - accept no parameter
100   If SADMIN env. variable is not set /opt/sadmin, make sure it's set to proper dir.
101   Call this function when your script is starting.
102   What this function will do for us :
103     1) Make sure all directories & sub-directories exist and have proper permissions.
104     2) Make sure log file exist with proper permission (/opt/sadmin/log/sherlock_sadmlib_std_demo.log)
105     3) Make sure Return Code History (.rch) exist and have the right permission
106     4) If PID file exist, show error message and abort.
107         Unless user allow more than one copy to run simultaniously (SADM_MULTIPLE_EXEC='Y')
108     5) Add line in the [R]eturn [C]ode [H]istory file stating script is started (Code 2)
109     6) Write HostName - Script name and version - O/S Name and version to the Log file (SADM_LOG)
110
111 Function 'sadm_stop()':
112   Accept one parameter - Either 0 (Successfull) or non-zero (Error Encountered)
113   Please call this function just before your script end
114   What this function do.
115     1) If Exit Code is not zero, change it to 1.
116     2) Get Actual Time and Calculate the Execution Time.
117     3) Writing the Script Footer in the Log (Script Return code, Execution Time, ...)
118     4) Update the RCH File (Start/End/Elapse Time and the Result Code)
119     5) Trim The RCH File Based on User choice in sadmin.cfg
120     6) Write to Log the user mail alerting type choose by user (sadmin.cfg)
121     7) Trim the Log based on user selection in sadmin.cfg
122     8) Send Email to sysadmin (if user selected that option in sadmin.cfg)
123     9) Delete the PID File of the script (SADM_PID_FILE)
124     10) Delete the User 3 TMP Files (SADM_TMP_FILE1, SADM_TMP_FILE2, SADM_TMP_FILE3)
125
126
127
128 =====
129 SADMIN CONFIG FILE VARIABLES          Description          This System Result

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130 =====
131 [001] $SADM_SERVER          SADMIN SERVER NAME (FQDN)          : sherlock.maison.ca
132 [002] $SADM_HOST_TYPE       SADMIN [C]lient or [S]erver          : S
133 [003] $SADM_MAIL_ADDR       SADMIN Administrator Default Email : brucetalbot95@gmail.com
134 [004] $SADM_ALERT_TYPE      0=NoMail 1=OnError 2=OnSuccess 3=All: 1
135 [005] $SADM_ALERT_GROUP     Default Alert Group                : default
136 [006] $SADM_ALERT_REPEAT    Seconds to wait before repeat alert : 0
137 [007] $SADM_TEXTBELT_KEY    TextBelt.com API Key              :
138 [008] $SADM_TEXTBELT_URL    TextBelt.com API URL                : https://textbelt.com/text
139 [009] $SADM_CIE_NAME        Your Company Name                  : The Batcave
140 [010] $SADM_DOMAIN          Server Creation Default Domain      : maison.ca
141 [011] $SADM_USER            SADMIN User Name                   : sadmin
142 [012] $SADM_GROUP           SADMIN Group Name                  : sadmin
143 [013] $SADM_WWW_USER        User that Run Apache Web Server     : apache
144 [014] $SADM_WWW_GROUP       Group that Run Apache Web Server    : apache
145 [015] $SADM_DBNAME          SADMIN Database Name                : sadmin
146 [016] $SADM_DBHOST          SADMIN Database Host                : localhost
147 [017] $SADM_DBPORT          SADMIN Database Host TCP Port       : 3306
148 [018] $SADM_RW_DBUSER       SADMIN Database Read/Write User     : 3306
149 [019] $SADM_RW_DBPWD        SADMIN Database Read/Write User Pwd :
150 [020] $SADM_RO_DBUSER       SADMIN Database Read Only User      : squery
151 [021] $SADM_RO_DBPWD        SADMIN Database Read Only User Pwd :
152 [022] $SADM_SMTP_SERVER     Your Internet SMTP Server Name      : smtp.gmail.com
153 [023] $SADM_SMTP_PORT       Your Internet SMTP Server Port      : 587
154 [024] $SADM_SMTP_SENDER     Your Internet Sender Email          : brucetalbot95@gmail.com
155 [025] $SADM_GMPW            Your Internet Sender Password       :
156 [026] $SADM_SSH_PORT        SSH Port to communicate with client : 32
157 [027] $SADM_MONITOR_UPDATE_INTERVAL Monitor page update interval in sec.: 60
158 [028] $SADM_MONITOR_RECENT_COUNT Monitor page nb. recent scripts : 10
159 [029] $SADM_MONITOR_RECENT_EXCLUDE Scripts excluded from SysMon Recent : sadm_nmon_watcher
160 [030] $SADM_DR_SCRIPT_MAXAGE Nb. days before exec. become yellow : 30
161 [031] $SADM_DR_REAR_INTERVAL Max days between backup, then yellow: 7
162 [032] $SADM_DR_BACKUP_DIF   Max % different backupsize,...yellow: 50%
163 [033] $SADM_NMON_KEEPPDAYS   Nb. of days to keep nmon perf. file : 40
164 [034] $SADM_RCH_KEEPPDAYS    Nb. days to keep unmodified rch file: 40
165 [035] $SADM_LOG_KEEPPDAYS    Nb. days to keep unmodified log file: 40
166 [036] $SADM_MAX_RCLINE       Trim rch file to this max. of lines : 35
167 [037] $SADM_MAX_LOGLINE      Trim log to this maximum of lines : 500
168 [038] $SADM_NETWORK1        Network/Netmask 1 inv. IP/Name/Mac : 192.168.1.0/24
169 [039] $SADM_NETWORK2        Network/Netmask 2 inv. IP/Name/Mac :
170 [040] $SADM_NETWORK3        Network/Netmask 3 inv. IP/Name/Mac :
171 [041] $SADM_NETWORK4        Network/Netmask 4 inv. IP/Name/Mac :
172 [042] $SADM_NETWORK5        Network/Netmask 5 inv. IP/Name/Mac :
173 [043] $SADM_REAR_NFS_SERVER Rear NFS Server IP or Name       : batnas.maison.ca

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174 [044] $SADM_REAR_NFS_MOUNT_POINT      Rear NFS Mount Point          : /volume1/backup_rear
175 [045] $SADM_REAR_BACKUP_TO_KEEP         Rear NFS Backup - Nb. to keep : 3
176 [046] $SADM_BACKUP_NFS_SERVER           NFS Backup IP or Server Name  : batnas.maison.ca
177 [047] $SADM_BACKUP_NFS_MOUNT_POINT      NFS Backup Mount Point       : /volume1/backup_linux
178 [048] $SADM_DAILY_BACKUP_TO_KEEP        Nb. of Daily Backup to keep   : 4
179 [049] $SADM_WEEKLY_BACKUP_TO_KEEP       Nb. of Weekly Backup to keep  : 4
180 [050] $SADM_MONTHLY_BACKUP_TO_KEEP      Nb. of Monthly Backup to keep : 3
181 [051] $SADM_YEARLY_BACKUP_TO_KEEP      Nb. of Yearly Backup to keep  : 2
182 [052] $SADM_WEEKLY_BACKUP_DAY          Weekly Backup Day (1=Mon,...,7=Sun) : 5
183 [053] $SADM_MONTHLY_BACKUP_DATE        Monthly Backup Date (1-28)    : 1
184 [054] $SADM_YEARLY_BACKUP_MONTH        Month to take Yearly Backup (1-12) : 12
185 [055] $SADM_YEARLY_BACKUP_DATE        Date to do Yearly Backup(1-DayInMth): 31
186 [056] $SADM_PID_TIMEOUT                PID File Time To Live default in sec: 7200
187 [057] $SADM_LOCK_TIMEOUT               Maximum of sec. a system can be lock: 3600

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188
189 =====
190 Directories Var. Avail.      Description                      This System Result
191 =====
192 [001] $SADM_BASE_DIR          SADMIN Root Directory          : /opt/sadmin
193 [002] $SADM_BIN_DIR           SADMIN Scripts Directory       : /opt/sadmin/bin
194 [003] $SADM_TMP_DIR           SADMIN Temporary file(s) Directory : /opt/sadmin/tmp
195 [004] $SADM_LIB_DIR           SADMIN Shell & Python Library Dir. : /opt/sadmin/lib
196 [005] $SADM_LOG_DIR           SADMIN Script Log Directory    : /opt/sadmin/log
197 [006] $SADM_CFG_DIR           SADMIN Configuration Directory  : /opt/sadmin/cfg
198 [007] $SADM_SYS_DIR           Server Startup/Shutdown Script Dir. : /opt/sadmin/sys
199 [008] $SADM_DOC_DIR           SADMIN Documentation Directory  : /opt/sadmin/doc
200 [009] $SADM_PKG_DIR           SADMIN Packages Directory      : /opt/sadmin/pkg
201 [010] $SADM_DAT_DIR           Server Data Directory          : /opt/sadmin/dat
202 [011] $SADM_NMON_DIR          Server NMON - Data Collected Dir. : /opt/sadmin/dat/nmon
203 [012] $SADM_DR_DIR            Server Disaster Recovery Info Dir. : /opt/sadmin/dat/dr
204 [013] $SADM_RCH_DIR           Server Return Code History Dir.  : /opt/sadmin/dat/rch
205 [014] $SADM_NET_DIR           Server Network Info Dir.        : /opt/sadmin/dat/net
206 [015] $SADM_RPT_DIR           SYStem MONitor Report Directory : /opt/sadmin/dat/rpt
207 [016] $SADM_DBB_DIR           Database Backup Directory       : /opt/sadmin/dat/dbb
208 [017] $SADM_SETUP_DIR         SADMIN Installation/Update Dir. : /opt/sadmin/setup
209 [018] $SADM_USR_DIR           User/System specific directory  : /opt/sadmin/usr
210 [019] $SADM_UBIN_DIR          User/System specific bin/script Dir. : /opt/sadmin/usr/bin
211 [020] $SADM_ULIB_DIR          User/System specific library Dir. : /opt/sadmin/usr/lib
212 [021] $SADM_UDOC_DIR          User/System specific documentation : /opt/sadmin/usr/doc
213 [022] $SADM_UMON_DIR          User/System specific SysMon Scripts : /opt/sadmin/usr/mon
214 [023] $SADM_WWW_DIR           SADMIN Web Site Root Directory  : /opt/sadmin/www
215 [024] $SADM_WWW_DOC_DIR       SADMIN Web Documentation Dir.    : /opt/sadmin/www/doc
216 [025] $SADM_WWW_DAT_DIR       SADMIN Web Site Systems Data Dir. : /opt/sadmin/www/dat
217 [026] $SADM_WWW_LIB_DIR       SADMIN Web Site PHP Library Dir. : /opt/sadmin/www/lib

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218 [027] $SADM_WWW_TMP_DIR          SADMIN Web Temp Working Directory : /opt/sadmin/www/tmp
219 [028] $SADM_WWW_PERF_DIR         SADMIN Web Performance Graph Dir. : /opt/sadmin/www/tmp/perf
220
221 =====
222 SADMIN FILES VARIABLES AVAIL.      Description                      This System Result
223 =====
224 [001] $SADM_PID_FILE              Current script PID file          : /opt/sadmin/tmp/sadmlib_std_demo.pid
225 [002] $SADM_CFG_FILE              SADMIN Configuration File        : /opt/sadmin/cfg/sadmin.cfg
226 [003] $SADM_CFG_HIDDEN            SADMIN Initial Configuration File : /opt/sadmin/cfg/.sadmin.cfg
227 [004] $SADM_ALERT_FILE            SADMIN Alert Group File          : /opt/sadmin/cfg/alert_group.cfg
228 [005] $SADM_ALERT_INIT            SADMIN Initial Alert Group File  : /opt/sadmin/cfg/.alert_group.cfg
229 [006] $SADM_ALERT_HIST            SADMIN Alert History File        : /opt/sadmin/cfg/alert_history.txt
230 [007] $SADM_ALERT_HINI            SADMIN Initial Alert History File : /opt/sadmin/cfg/.alert_history.txt
231 [008] $SADM_TMP_FILE1             User usable Temp Work File 1     : /opt/sadmin/tmp/
232 sadmlib_std_demo.1.1128072
233 [009] $SADM_TMP_FILE2             User usable Temp Work File 2     : /opt/sadmin/tmp/
234 sadmlib_std_demo.2.1128072
235 [010] $SADM_TMP_FILE3             User usable Temp Work File 3     : /opt/sadmin/tmp/
236 sadmlib_std_demo.3.1128072
237 [011] $SADM_LOG                   Script Log File                   : /opt/sadmin/log/
238 sherlock_sadmlib_std_demo.log
239 [012] $SADM_RCHLOG                Script Return Code History File   : /opt/sadmin/dat/rch/
240 sherlock_sadmlib_std_demo.rch
241 [013] $DBPASSFILE                 SADMIN Database User Password File :
242 [014] $SADM_RPT_FILE               System Monitor Report File        : /opt/sadmin/dat/rpt/sherlock.rpt
243 [015] $SADM_BACKUP_LIST            Backup List File Name             : /opt/sadmin/cfg/backup_list.txt
244 [016] $SADM_BACKUP_LIST_INIT       Initial Backup List (Template)    : /opt/sadmin/cfg/.backup_list.txt
245 [017] $SADM_BACKUP_EXCLUDE         Backup Exclude List File Name     : /opt/sadmin/cfg/backup_exclude.txt
246 [018] $SADM_BACKUP_EXCLUDE_INIT    Initial Backup Exclude (Template) : /opt/sadmin/cfg/.backup_exclude.txt
247
248 =====
249 COMMAND PATH USE BY SADMIN STD. LIBR. Description                      This System Result
250 =====
251 [001] $SADM_DMIDECODE              'dmidecode' use to get model & type : /usr/sbin/dmidecode
252 [002] $SADM_BC                     'bc' use to do some Math.          : /usr/bin/bc
253 [003] $SADM_FDISK                  'fdisk' use to get partition info  : /usr/sbin/fdisk
254 [004] $SADM_WHICH                  'which' use to get command path    : /usr/bin/which
255 [005] $SADM_PERL                   'perl' epoch time Math on AIX      : /usr/bin/perl
256 [006] $SADM_MUTT                   'mutt' use to send email           : /usr/bin/mutt
257 [007] $SADM_CURL                   'curl' Use to send alert to Slack  : /usr/bin/curl
258 [008] $SADM_LSCPU                  'lscpu' To get Socket/Thread info  : /usr/bin/lscpu
259 [009] $SADM_NMON                   'nmon' Collect Performance Stat.   : /usr/bin/nmon
260 [010] $SADM_PARTED                 'parted' use to get disk real size : /usr/sbin/parted
261 [011] $SADM_ETHTOOL                'ethtool' use to get system IP     : /usr/sbin/ethtool

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257 [012] $SADM_SSH          'ssh' use to SSH on SADMIN client : /usr/bin/ssh
258 [013] $SADM_SSH_CMD      'ssh' SSH cmd to Connect to client : /usr/bin/ssh -qnp 32
259 [014] $SADM_RRDTOOL      'rrdtool' binary location : /usr/bin/rrdtool
260 [015] $SADM_LSB_RELEASE  'lsb_release' cmd (get dist. info) : /usr/lib/dkms/lsb_release
261 [016] $SADM_INXI         'inxi' binary location : /usr/bin/inxi
262 [017] $SADM_MYSQL        'mysql' binary location : /usr/bin/mysql
263 [018] $SADM_SED          'sed' binary location : /usr/bin/sed

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266 Database Information          Description          This System Result

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268

269 Show SADMIN Tables:

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270 +-----+
271 | script |
272 | script_rch |
273 | server |
274 | server_category |
275 | server_group |
276 | server_network |
277 +-----+

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279

280 Category Table:

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281 +-----+-----+-----+-----+-----+-----+-----+
282 | cat_id | int(11) | NO | PRI | NULL | | auto_increment |
283 | cat_code | varchar(10) | NO | UNI | NULL | | |
284 | cat_desc | varchar(25) | NO | | NULL | | |
285 | cat_active | tinyint(1) | NO | | 1 | | |
286 | cat_date | timestamp | NO | | 0000-00-00 00:00:00 | on update current_timestamp() |
287 | cat_default | tinyint(1) | NO | | 0 | | |
288 +-----+-----+-----+-----+-----+-----+-----+

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290 | 2 | Legacy | Legacy Unsupported Server | 1 | 2019-01-21 11:36:23 | 0 |
291 | 3 | Dev | Development Environment | 1 | 2019-08-17 11:01:47 | 1 |
292 | 5 | Poc | Proof Of Concept env. | 1 | 2019-01-21 11:24:25 | 0 |
293 | 6 | Prod | Production Environment | 1 | 2017-11-07 00:00:00 | 0 |
294 | 11 | Temporary | Temporary Server | 1 | 2017-12-06 11:23:26 | 0 |
295 +-----+-----+-----+-----+-----+-----+-----+

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297 | server_category | 0 | PRIMARY | 1 | cat_id | A | 5 | NULL | NULL | | BTREE | | |
298 | server_category | 0 | key_cat_code | 1 | cat_code | A | 5 | NULL | NULL | | BTREE | | |
299 +-----+-----+-----+-----+-----+-----+-----+

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302 Group Table:

303

304	grp_id	int(11)	NO	PRI	NULL	auto_increment
305	grp_code	varchar(10)	NO	UNI	NULL	
306	grp_desc	varchar(25)	NO		NULL	
307	grp_active	tinyint(1)	NO		1	
308	grp_date	timestamp	NO		current_timestamp()	on update current_timestamp()
309	grp_default	tinyint(1)	NO		0	

310

311

312	2	Cluster	Clustered Server	1	2017-11-22 11:55:50	0
313	3	Service	Infrastructure Service	1	2017-11-07 00:00:00	0
314	4	Retired	Server not in use	1	2017-11-07 00:00:00	0
315	5	Raspberry	Raspberry Pi	1	2019-03-17 14:38:24	0
316	6	Regular	Normal App. Server	1	2019-01-21 11:36:43	1
317	7	Temporary	Temporaly in service	1	2017-11-07 00:00:00	0
318	8	Laptop	Linux Laptop	1	2017-11-07 00:00:00	0

319

320

321	server_group	0	PRIMARY	1	grp_id	A	7	NULL	NULL	BTREE		
322	server_group	0	idx_grp_code	1	grp_code	A	7	NULL	NULL	BTREE		

323

324

325

326 Server Table:

327

328	srv_id	int(11)	NO	PRI	NULL	auto_increment
329	srv_name	varchar(15)	NO	UNI	NULL	
330	srv_domain	varchar(30)	NO		NULL	
331	srv_desc	varchar(30)	NO		NULL	
332	srv_tag	varchar(15)	YES		NULL	
333	srv_note	varchar(30)	YES		NULL	
334	srv_active	tinyint(1)	NO		1	
335	srv_sporadic	tinyint(1)	NO		0	
336	srv_monitor	tinyint(1)	NO		1	
337	srv_alert_group	varchar(15)	NO		default	
338	srv_graph	tinyint(1)	NO		1	
339	srv_cat	varchar(10)	NO		NULL	
340	srv_group	varchar(10)	NO		NULL	
341	srv_vm	tinyint(1)	NO		0	
342	srv_osname	varchar(15)	YES		NULL	
343	srv_ostype	varchar(10)	NO		linux	
344	srv_oscodename	varchar(15)	YES		NULL	

[illegible]

389	srv_img_dow	varchar(8)	NO		YNNNNNNN		
390	srv_img_hour	smallint(6)	NO		4		
391	srv_img_minute	smallint(6)	NO		0		
392	srv_uptime	varchar(25)	YES		NULL		
393	srv_arch	varchar(12)	YES		NULL		
394	srv_rear_ver	varchar(7)	NO		unknown		
395	srv_boot_date	datetime	YES		NULL		
396	srv_reboot_time	int(11)	NO		600		
397	srv_lock	tinyint(4)	NO		0		

398	+-----+-----+-----+-----+-----+-----+-----+						
399	+-----+-----+-----+-----+-----+-----+-----+						
400	server	0	PRIMARY	1	srv_id	A	25
401	server	0	idx_srv_name	1	srv_name	A	25
402	+-----+-----+-----+-----+-----+-----+-----+						

403

404

405 Script Table:

406	+-----+-----+-----+-----+-----+-----+-----+						
407	scr_id	mediumint(8)	unsigned	NO	PRI	NULL	auto_increment
408	scr_name	varchar(40)		YES	UNI	NULL	
409	scr_desc	varchar(80)		YES		NULL	
410	scr_version	varchar(10)		NO		NULL	
411	scr_alert_grp	varchar(15)		YES		NULL	
412	scr_alert_type	smallint(6)		NO		1	
413	scr_sysadm_email	varchar(50)		NO		NULL	
414	scr_multiple_exec	tinyint(1)		NO		0	
415	scr_use_rch	tinyint(1)		NO		1	
416	scr_log_type	varchar(1)		NO		B	
417	scr_log_append	tinyint(1)		NO		0	
418	scr_log_header	tinyint(1)		NO		1	
419	scr_log_footer	tinyint(1)		NO		1	
420	scr_active	tinyint(1)		NO		1	
421	scr_max_logline	int(11)		NO		500	
422	scr_max_rchline	int(11)		NO		35	
423	scr_pid_timeout	int(11)		NO		7200	
424	scr_max_inactive_days	int(3)		NO		31	
425	scr_root_exec	tinyint(4)		NO		0	
426	scr_run_sadmin	tinyint(4)		NO		0	
427	scr_os	varchar(10)		NO		any	
428	scr_last_activity	datetime		NO		current_timestamp()	
429	scr_severity	smallint(6)		NO		1	
430	scr_exclude	set('0','1')		NO		0	
431	+-----+-----+-----+-----+-----+-----+-----+						

432 +-----+-----+-----+-----+-----+-----+-----+

```

433 | script | 0 | PRIMARY | 1 | scr_id | A | 0 | NULL | NULL | YES | BTREE |
434 | script | 0 | scr_name_key | 1 | scr_name | A | 0 | NULL | NULL | YES | BTREE |
435 +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
436
437
438 Script Details:
439 +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
440 | scrdet_host | varchar(15) | NO | PRI | NULL |
441 | scrdet_name | varchar(40) | NO | PRI | NULL |
442 | scrdet_status | tinyint(2) | NO | | 0 |
443 | scrdet_active | int(1) | NO | | 1 |
444 | srcdet_start | timestamp | NO | PRI | 0000-00-00 00:00:00 |
445 | srcdet_end | timestamp | YES | | NULL |
446 | srcdet_elapse | time | YES | | NULL |
447 | scrdet_alertcode | tinyint(3) unsigned | YES | | NULL |
448 | scrdet_alertgroup | varchar(30) | YES | | NULL |
449 +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
450
451 | script_rch | 0 | PRIMARY | 1 | scrdet_host | A | 0 | NULL | NULL | BTREE |
452 | script_rch | 0 | PRIMARY | 2 | scrdet_name | A | 0 | NULL | NULL | BTREE |
453 | script_rch | 0 | PRIMARY | 3 | srcdet_start | A | 0 | NULL | NULL | BTREE |
454 +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
455
456
457
458 =====
459 Script exit code is 0 (Success) and execution time is 00:00:06
460 Script is set to send an alert only when it terminate with error.
461 Script succeeded, no alert will be send ($SADM_ALERT_TYPE=1).
462 New log created '$SADMIN/log/sherlock_sadmlib_std_demo.log'.
463 End of sadmlib_std_demo.sh - Tue 16 Aug 2022 11:03:38 AM EDT
464 =====
465

```