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1  =====
2  Tue 16 Aug 2022 11:51:14 - sadmlib_std_demo.py v3.17 - Library v4.21
3  Desc.: Demonstrate functions & variables available to developers using SADMIN Tools
4  sherlock.maison.ca - User: jacques - Arch: x86_64 - SADMIN: /opt/sadmin
5  ALMALINUX (Emeraldpuma) Linux release 9.0 - Kernel 5.14.0-70
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11 -----
12 User var. that affect SADMIN behavior  Description                      This system result
13 -----
14 [001] pver                               Program version number           : 3.17
15 [002] sa.pn                             Program name                     : sadmlib_std_demo.py
16 [003] sa.pinst                          Programe name without extension : sadmlib_std_demo
17 [004] sa.pusername                      Current user name                : jacques
18 [005] sa.ppid                           Current Process ID              : 1471069
19 [006] sa.multiple_exec                  Allow running multiple copy      : Y
20 [007] sa.use_rch                        Generate entry in .rch file      : False
21 [008] sa.log_type                       Set Output to [S]creen [L]og [B]oth : B
22 [009] sa.log_append                     Append to log(True), New log=(False): False
23 [010] sa.log_header                     Generate header in log           : True
24 [011] sa.log_footer                     Generate footer in log           : True
25 [012] sa.pexit_code                     Script Exit Return Code          : 0
26 [013] sa.proot_only                     Script can only be run by root   : True
27 [014] sa.psadm_server_only              Script can only run on SADMIN server: False
28
29
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31 -----
32 Calling Functions                       Description                      This System Result
33 -----
34 [001] sa.get_release()                  SADMIN Release Number (XX.XX)    : 1.4.0
35 [002] sa.get_ostype()                   OS Type (Uppercase,LINUX,AIX,DARWIN): LINUX
36 [003] sa.get_osversion()                 Return O/S Version (Ex: 7.2, 6.5) : 9.0
37 [004] sa.get_osmajorversion()             Return O/S Major Version (Ex 7, 6) : 9
38 [005] sa.get_osminorversion()             Return O/S Minor Version (Ex 2, 3) : 0
39 [006] sa.get_osname()                    O/S Name (REDHAT,CENTOS,UBUNTU,...) : ALMALINUX
40 [007] sa.get_oscodename()                 O/S Project Code Name            : EMERALDPUMA
41 [008] sa.get_kernel_version()             O/S Running Kernel Version       : 5.14.0-70
42 [009] sa.get_kernel_bitmode()             O/S Kernel Bit Mode (32 or 64)   : 64
43 [010] sa.phostname                       Current Host Name                 : sherlock
44 [011] sa.get_host_ip()                   Current Host IP Address           : 192.168.1.48

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45 [012] sa.get_domainname()          Current Host Domain Name      : maison.ca
46 [013] sa.get_fqdn()                Fully Qualified Domain Host Name : sherlock.maison.ca
47 [014] sa.get_serial()              Get System serial Number
48 [015] sa.get_epoch_time()          Get Current Epoch Time       : 1660665074
49 [016] sa.epoch_to_date(1660665074) Convert epoch time to date    : 2022.08.16 11:51:14
50 WDATE=2022.08.16 11:51:14
51 [017] sa.date_to_epoch(WDATE)       Convert Date to epoch time    : 1660665074
52 DATE1 is End date/time : 2018.06.30 10:00:44
53 DATE2 is Start date/time : 2018.06.30 10:00:03
54 [018] sa.elapse_time(DATE1,DATE2)   Elapse Time between two timestamps : 00:00:41
55 [019] sa.get_packagetype()          Get package type (rpm,deb,aix,dmg) : rpm
56 [020] sa.get_arch()                Get system architecture       : x86_64
57 [021] sa.lock_system(hostname)      Lock specified host, monitoring off : True
58 [022] sa.check_system_lock(hostname) Check if host specified is lock   : True
59 [023] sa.unlock_system(hostname)     Unlock host specified, monitoring on: True
60 [024] sa.write_log('message',[,lf=true]) Write msg to Screen,Log or Both : message
61 [025] sa.write_err('message',[,lf=true]) Write message to Log & Error log : message
62 [026] sa.sendmail(mail,sub,body,att) sadm_sendmail(email,"subject","body","file1,file2")
63 [027] sa.show_version(pver)          Used -v cmdline to show script info : Ver.+Desc.+LibrVer
64 [028] sa.sleep(60,15)               Sleep 60 sec & update every 15 sec. : 60...45...30...15...0
65 [029] sa.trimfile(filename,nlines=500) Keep last 500 lines of filename. : 0=Success 1=Error

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69 -----
70 FUNCTIONS AVAILABLE ONLY PYTHON      Description                      This System Result
71 -----
72 [001] sa.db_silent                   When DBerror, No ErrMsg (Just ErrNo): False
73 [002] sa.db_used                     Need to use SADMIN Database ?      : True
74 [003] sa.silentremove('file')        Silent file delete (no msg, no err) : 0
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79 Overview of the 'sa.start()' and 'sa.stop()'
    functions
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82 Function 'sa.start(pver,pdesc)'

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- 83 - 'pver' variable in SADMIN section, indicating the program version.
- 84 - 'pdesc' variable in SADMIN section, is a short description of the program.

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85 What this function does:

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- 86 1) Make sure all \$SADMIN directories & sub-dir. exist and have proper permissions.

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88     2) Make sure log files exist with proper permission.
89     3) Write the log header (if 'sa.log_header = True').
90     4) If script run on the SADMIN server, check if system is lock
91     5) Check if PID file exist, show error message and abort.
92     Unless user allow to run simultaneously more than one copy (sa.multiple_exec=True).
93     6) Record the start Date/Time.
94     7) Add line in the [R]eturn [C]ode [H]istory file stating script is started (Code 2).
95
96
97 Function 'sa.stop(pexit_code)'
98     - 'pexit_code' variable defined in SADMIN section, indicate the program exit code.
99
100 This should be the last function called at the end of your script.
101 It accept one parameter - Either 0 (Successful) or non-zero (Error Encountered).
102 Example : sa.stop(pexit_code)    # Close SADMIN Environment
103
104 What this function does:
105     1) Get actual time and calculate the execution time.
106     2) It check if the exit code is not zero, change it to 1.
107     3) If 'sa.log_footer = True', write the log footer.
108     4) If 'sa.use_rch = True', append (Start/End/Elapse Time ...) in the RCH File.
109     5) Trim The RCH File according to user choice in 'sa.sadm_max_rchline'.
110     No trim is done if 'sa.sadm_max_rchline = 0'.
111     6) Trim the log according to user choice in 'sa.sadm_max_logline'.
112     No trim is done if 'sa.sadm_max_logline = 0'.
113     7) Delete the PID file of the script (sa.pid_file) if it exist.
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118 -----
119 SADMIN CONFIG FILE VARIABLES      Description      This System Result
120 -----
121 [001] sa.sadm_server              SADMIN server name (FQDN)      : sherlock.maison.ca
122 [002] sa.sadm_host_type            SADMIN [C]lient or [S]erver    : S
123 [003] sa.sadm_mail_addr            SADMIN Administrator Default Email : brucetalbot95@gmail.com
124 [004] sa.sadm_alert_type           0=NoMail 1=OnError 3=OnSuccess 4=All: 1
125 [005] sa.sadm_alert_group          Default Alert Group            : default
126 [006] sa.sadm_alert_repeat         Seconds to wait before repeat alert : 0
127 [007] sa.sadm_textbelt_key         TextBelt.com API Key           :
128 [008] sa.sadm_textbelt_url         TextBelt.com API URL           : https://textbelt.com/text
129 [009] sa.sadm_cie_name             Your Company name              : The Batcave
130 [010] sa.sadm_domain              Server creation default domain  : maison.ca
131 [011] sa.sadm_user                 SADMIN User Name               : sadmin

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132 [012] sa.sadm_group          SADMIN Group Name          : sadmin
133 [013] sa.sadm_www_user        User that Run Apache Web Server : apache
134 [014] sa.sadm_www_group       Group that Run Apache Web Server : apache
135 [015] sa.sadm_dbname         SADMIN Database Name       : sadmin
136 [016] sa.sadm_dbhost        SADMIN Database Host       : localhost
137 [017] sa.sadm_dbport        SADMIN Database Host TCP Port : 3306
138 [018] sa.sadm_rw_dbuser     SADMIN Database Read/Write User : sadmin
139 [019] sa.sadm_rw_dbpwd      SADMIN Database Read/Write User Pwd
140 [020] sa.sadm_ro_dbuser     SADMIN Database Read Only User : squery
141 [021] sa.sadm_ro_dbpwd      SADMIN Database Read Only User Pwd
142 [022] sa.sadm_smtp_server   Your internet smtp server    : smtp.gmail.com
143 [023] sa.sadm_smtp_port     Your internet smtp server port : 587
144 [024] sa.sadm_smtp_sender   Your internet smtp email address : brucetalbot95@gmail.com
145 [025] sa.sadm_gmpw         Your internet smtp email password
146 [026] sa.sadm_ssh_port     SSH Port to communicate with client : 32
147 [027] sa.sadm_monitor_update_interval SYSMON web page refresh rate (Sec) : 60
148 [028] sa.sadm_monitor_recent_count SYSMON web page nb. recent scripts : 10
149 [029] sa.sadm_monitor_recent_exclude SYSMON recent scripts excluded : sadm_nmon_watcher
150 [030] sa.sadm_dr_script_maxage DailyRep. Max. days without running : 30
151 [031] sa.sadm_dr_rear_interval DailyRep Max days without ReaR back : 7
152 [032] sa.sadm_dr_backup_dif DailyRep BackupSize differ than XX% : 50\%
153 [033] sa.sadm_nmon_keepdays Nb. of days to keep nmon perf. file : 40
154 [034] sa.sadm_rch_keepdays Nb. days to keep unmodified rch file: 40
155 [035] sa.sadm_log_keepdays Nb. days to keep unmodified log file: 40
156 [036] sa.sadm_max_rchline Trim rch file to this max. of lines : 35
157 [037] sa.sadm_max_logline Trim log to this maximum of lines : 500
158 [038] sa.sadm_network1     Network/Netmask 1 inv. IP/Name/Mac : 192.168.1.0/24
159 [039] sa.sadm_network2     Network/Netmask 2 inv. IP/Name/Mac
160 [040] sa.sadm_network3     Network/Netmask 3 inv. IP/Name/Mac
161 [041] sa.sadm_network4     Network/Netmask 4 inv. IP/Name/Mac
162 [042] sa.sadm_network5     Network/Netmask 5 inv. IP/Name/Mac
163 [043] sa.sadm_rear_nfs_server Rear NFS Server IP or Name : batnas.maison.ca
164 [044] sa.sadm_rear_nfs_mount_point Rear NFS Mount Point : /volume1/backup_rear
165 [045] sa.sadm_rear_backup_to_keep Rear NFS Backup - Nb. to keep : 3
166 [046] sa.sadm_backup_nfs_server NFS Backup IP or Server Name : batnas.maison.ca
167 [047] sa.sadm_backup_nfs_mount_point NFS Backup Mount Point : /volume1/backup_linux
168 [048] sa.sadm_daily_backup_to_keep Daily Backup to Keep : 4
169 [049] sa.sadm_weekly_backup_to_keep Weekly Backup to Keep : 4
170 [050] sa.sadm_monthly_backup_to_keep Monthly Backup to Keep : 3
171 [051] sa.sadm_yearly_backup_to_keep Yearly Backup to keep : 2
172 [052] sa.sadm_weekly_backup_day Weekly Backup Day (1=Mon,7=Sun) : 5
173 [053] sa.sadm_monthly_backup_date Monthly Backup Date (1-28) : 1
174 [054] sa.sadm_yearly_backup_month Yearly Backup Month (1-12) : 12
175 [055] sa.sadm_yearly_backup_date Yearly Backup Date (1-31) : 31

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176 [056] sa.sadm_pid_timeout      PID file default TimeToLive (Sec)   : 7200
177 [057] sa.sadm_lock_timeout      Maximun nb. sec. a host can be lock : 3600

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182 -----
182 Directories Var. Avail.      Description                      This System Result
183 -----
184 [001] sa.dir_base             SADMIN Root Directory           : /opt/sadmin
185 [002] sa.dir_bin              SADMIN Scripts Directory       : /opt/sadmin/bin
186 [003] sa.dir_tmp              SADMIN Temporary file(s) Directory : /opt/sadmin/tmp
187 [004] sa.dir_lib              SADMIN Shell & Python Library Dir. : /opt/sadmin/lib
188 [005] sa.dir_log              SADMIN Script Log Directory     : /opt/sadmin/log
189 [006] sa.dir_cfg              SADMIN Configuration Directory  : /opt/sadmin/cfg
190 [007] sa.dir_sys              Server Startup/Shutdown Script Dir. : /opt/sadmin/sys
191 [008] sa.dir_doc              SADMIN Documentation Directory  : /opt/sadmin/doc
192 [009] sa.dir_pkg              SADMIN Packages Directory      : /opt/sadmin/pkg
193 [010] sa.dir_dat              Server Data Directory           : /opt/sadmin/dat
194 [011] sa.dir_nmon             Server NMON - Data Collected Dir. : /opt/sadmin/dat/nmon
195 [012] sa.dir_dr               Server Disaster Recovery Info Dir. : /opt/sadmin/dat/dr
196 [013] sa.dir_rch              Server Return Code History Dir.  : /opt/sadmin/dat/rch
197 [014] sa.dir_net              Server Network Information Dir.  : /opt/sadmin/dat/net
198 [015] sa.dir_rpt              SYStem MONitor Report Directory : /opt/sadmin/dat/rpt
199 [016] sa.dir_dbb              Database Backup Directory       : /opt/sadmin/dat/dbb
200 [017] sa.dir_setup            SADMIN Setup Directory         : /opt/sadmin/setup
201 [018] sa.dir_usr              User/System specific directory  : /opt/sadmin/usr
202 [019] sa.dir_usr_bin          User/System specific bin/script Dir. : /opt/sadmin/usr/bin
203 [020] sa.dir_usr_lib          User/System specific library Dir.  : /opt/sadmin/usr/lib
204 [021] sa.dir_usr_doc          User/System specific documentation : /opt/sadmin/usr/doc
205 [022] sa.dir_usr_mon          User/System specific SysMon Scripts : /opt/sadmin/usr/mon
206 [023] sa.dir_www              SADMIN Web Site Root Directory  : /opt/sadmin/www
207 [024] sa.dir_www_doc          SADMIN Web Site Root Directory  : /opt/sadmin/www/doc
208 [025] sa.dir_www_dat          SADMIN Web Site Systems Data Dir. : /opt/sadmin/www/dat
209 [026] sa.dir_www_lib          SADMIN Web Site PHP Library Dir. : /opt/sadmin/www/lib
210 [027] sa.dir_www_tmp          SADMIN Web Temp Working Directory : /opt/sadmin/www/tmp
211 [028] sa.dir_www_perf         Web system performance Graph Dir. : /opt/sadmin/www/tmp/perf

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215 -----
216 SADMIN FILES VARIABLES AVAIL. Description                      This System Result
217 -----
218 [001] sa.pid_file             Current script PID file         : /opt/sadmin/tmp/sadmlib_std_demo.pid
219 [002] sa.cfg_file             SADMIN configuration file       : /opt/sadmin/cfg/sadmin.cfg

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220 [003] sa.cfg_hidden          SADMIN configuration template      : /opt/sadmin/cfg/.sadmin.cfg
221 [004] sa.alert_file          Alert group definition file        : /opt/sadmin/cfg/alert_group.cfg
222 [005] sa.alert_init          Alert group template file         : /opt/sadmin/cfg/.alert_group.cfg
223 [006] sa.alert_hist          Alert History file                 : /opt/sadmin/cfg/alert_history.txt
224 [007] sa.alert_hini          Alert History template file        : /opt/sadmin/cfg/.alert_history.txt
225 [008] sa.tmp_file1           User usable Temp Work File 1      : /opt/sadmin/tmp/
sadmlib_std_demo_1.1471069
226 [009] sa.tmp_file2           User usable Temp Work File 2      : /opt/sadmin/tmp/
sadmlib_std_demo_2.1471069
227 [010] sa.tmp_file3           User usable Temp Work File 3      : /opt/sadmin/tmp/
sadmlib_std_demo_3.1471069
228 [011] sa.log_file            Script Log File                    : /opt/sadmin/log/
sherlock_sadmlib_std_demo.log
229 [012] sa.rch_file            Script Return Code History File    : /opt/sadmin/dat/rch/
sherlock_sadmlib_std_demo.rch
230 [013] sa.dbpass_file          SADMIN Database User Password File : /opt/sadmin/cfg/.dbpass
231 [014] sa.rpt_file            [SYS]tem [MON]itor report file     : /opt/sadmin/dat/rpt/sherlock.rpt
232 [015] sa.backup_list          Backup list file name              : /opt/sadmin/cfg/backup_list.txt
233 [016] sa.backup_list_init     Backup list template file          : /opt/sadmin/cfg/.backup_list.txt
234 [017] sa.backup_exclude       Backup exclude list file name      : /opt/sadmin/cfg/backup_exclude.txt
235 [018] sa.backup_exclude_init   Backup exclude template file       : /opt/sadmin/cfg/.backup_exclude.txt
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240 -----
241 COMMAND PATH USE BY SADMIN STD. LIBR.  Description                      This System Result
242 -----
242 [001] sa.cmd_dmidecode          Cmd. 'dmidecode', Get model & type : /usr/sbin/dmidecode
243 [002] sa.cmd_bc                 Cmd. 'bc', Do some Math.           : /usr/bin/bc
244 [003] sa.cmd_fdisk              Cmd. 'fdisk', Get Partition Info   : /usr/sbin/fdisk
245 [004] sa.cmd_which              Cmd. 'which', Get Command location : /usr/bin/which
246 [005] sa.cmd_locate            Cmd. 'locate', Get Command location : /usr/bin/locate
247 [006] sa.cmd_perl              Cmd. 'perl', epoch time Calc.      : /usr/bin/perl
248 [007] sa.cmd_mutt              Cmd. 'mutt', Used to Send Email     : /usr/bin/mutt
249 [008] sa.cmd_curl              Cmd. 'curl', To send alert to Slack : /usr/bin/curl
250 [009] sa.cmd_lscpu             Cmd. 'lscpu', Socket & thread info  : /usr/bin/lscpu
251 [010] sa.cmd_nmon              Cmd. 'nmon', Collect Perf Statistic : /usr/bin/perl
252 [011] sa.cmd_parted            Cmd. 'parted', Get Disk Real Size   : /usr/sbin/parted
253 [012] sa.cmd_ethtool           Cmd. 'ethtool', Get System IP Info  : /usr/sbin/ethtool
254 [013] sa.cmd_ssh               Cmd. 'ssh', SSH to SADMIN client    : /usr/bin/ssh
255 [014] sa.cmd_ssh_full          Cmd. 'ssh', SSH to connect to client: /usr/bin/ssh -qnp 32
256 [015] sa.cmd_rrdtool           Cmd. 'rrdtool' to produce graph     : /usr/bin/rrdtool
257 [016] sa.cmd_lsb_release       Cmd. 'lsb_release' to get dist. info: /usr/lib/dkms/lsb_release
258 [017] sa.cmd_inxi              Cmd. 'inxi' binary location         : /usr/bin/inxi

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263 Database Information

Description

This System Result

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265 [001] sa.db_silent

When DBerror, No ErrMsg (Just ErrNo): False

266 [002] sa.db_used

Script need (Open/Close) Database ? : True

267 Database connection succeeded

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270 Show SADMIN Tables:

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272 | Tables_in_sadmin |

273 +-----+

274 | script |

275 | script_rch |

276 | server |

277 | server_category |

278 | server_group |

279 | server_network |

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283 Category Table:

284 +-----+

285 | Field | Type | Null | Key | Default | Extra |

286 +-----+

287 | cat_id | int(11) | NO | PRI | NULL | auto_increment |

288 | cat_code | varchar(10) | NO | UNI | NULL | |

289 | cat_desc | varchar(25) | NO | | NULL | |

290 | cat_active | tinyint(1) | NO | | 1 | |

291 | cat_date | timestamp | NO | | 0000-00-00 00:00:00 | on update current_timestamp() |

292 | cat_default | tinyint(1) | NO | | 0 | |

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295 | Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part |

Packed | Null | Index_type | Comment | Index_comment |

296 +-----+

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297 | server_category | 0 | PRIMARY | | 1 | cat_id | A | 5 | NULL |

NULL | | BTREE | | | 1 | cat_code | A | 5 | NULL |

298 | server_category | 0 | key_cat_code | | 1 | cat_code | A | 5 | NULL |

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299 NULL | | BTREE | | |
+-----+-----+-----+-----+-----+-----+-----+-----+
300 +-----+-----+-----+-----+-----+-----+-----+-----+
301 | cat_id | cat_code | cat_desc | cat_active | cat_date | cat_default |
302 +-----+-----+-----+-----+-----+-----+-----+-----+
303 | 2 | Legacy | Legacy Unsupported Server | 1 | 2019-01-21 11:36:23 | 0 |
304 | 3 | Dev | Development Environment | 1 | 2019-08-17 11:01:47 | 1 |
305 | 5 | Poc | Proof Of Concept env. | 1 | 2019-01-21 11:24:25 | 0 |
306 | 6 | Prod | Production Environment | 1 | 2017-11-07 00:00:00 | 0 |
307 | 11 | Temporary | Temporary Server | 1 | 2017-12-06 11:23:26 | 0 |
308 +-----+-----+-----+-----+-----+-----+-----+-----+
309
310
311 Group Table:
312 +-----+-----+-----+-----+-----+-----+-----+-----+
313 | Field | Type | Null | Key | Default | Extra |
314 +-----+-----+-----+-----+-----+-----+-----+-----+
315 | grp_id | int(11) | NO | PRI | NULL | auto_increment |
316 | grp_code | varchar(10) | NO | UNI | NULL | |
317 | grp_desc | varchar(25) | NO | | NULL | |
318 | grp_active | tinyint(1) | NO | | 1 | |
319 | grp_date | timestamp | NO | | current_timestamp() | on update current_timestamp() |
320 | grp_default | tinyint(1) | NO | | 0 | |
321 +-----+-----+-----+-----+-----+-----+-----+-----+
322
323 +-----+-----+-----+-----+-----+-----+-----+-----+
324 | Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part |
325 | Packed | Null | Index_type | Comment | Index_comment | | | |
326 +-----+-----+-----+-----+-----+-----+-----+-----+
327 | server_group | 0 | PRIMARY | | 1 | grp_id | A | 7 | NULL |
328 NULL | BTREE | | | | | | |
329 | server_group | 0 | idx_grp_code | | 1 | grp_code | A | 7 | NULL |
330 NULL | BTREE | | | | | | |
331 +-----+-----+-----+-----+-----+-----+-----+-----+
332
333 +-----+-----+-----+-----+-----+-----+-----+-----+
334 | grp_id | grp_code | grp_desc | grp_active | grp_date | grp_default |
335 +-----+-----+-----+-----+-----+-----+-----+-----+
336 | 2 | Cluster | Clustered Server | 1 | 2017-11-22 11:55:50 | 0 |
337 | 3 | Service | Infrastructure Service | 1 | 2017-11-07 00:00:00 | 0 |
338 | 4 | Retired | Server not in use | 1 | 2017-11-07 00:00:00 | 0 |
339 | 5 | Raspberry | Raspberry Pi | 1 | 2019-03-17 14:38:24 | 0 |

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335	6	Regular	Normal App. Server	1	2019-01-21 11:36:43	1
336	7	Temporary	Temporaly in service	1	2017-11-07 00:00:00	0
337	8	Laptop	Linux Laptop	1	2017-11-07 00:00:00	0

338 +-----+-----+-----+-----+-----+-----+-----+

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341 Server Table:

342	+-----+-----+-----+-----+-----+-----+					
343	Field	Type	Null	Key	Default	Extra
344	+-----+-----+-----+-----+-----+-----+					
345	srv_id	int(11)	NO	PRI	NULL	auto_increment
346	srv_name	varchar(15)	NO	UNI	NULL	
347	srv_domain	varchar(30)	NO		NULL	
348	srv_desc	varchar(30)	NO		NULL	
349	srv_tag	varchar(15)	YES		NULL	
350	srv_note	varchar(30)	YES		NULL	
351	srv_active	tinyint(1)	NO		1	
352	srv_sporadic	tinyint(1)	NO		0	
353	srv_monitor	tinyint(1)	NO		1	
354	srv_alert_group	varchar(15)	NO		default	
355	srv_graph	tinyint(1)	NO		1	
356	srv_cat	varchar(10)	NO		NULL	
357	srv_group	varchar(10)	NO		NULL	
358	srv_vm	tinyint(1)	NO		0	
359	srv_osname	varchar(15)	YES		NULL	
360	srv_ostype	varchar(10)	NO		linux	
361	srv_oscodename	varchar(15)	YES		NULL	
362	srv_osversion	varchar(12)	YES		NULL	
363	srv_osver_major	varchar(10)	YES		NULL	
364	srv_date_creation	datetime	YES		0000-00-00 00:00:00	
365	srv_date_edit	datetime	YES		0000-00-00 00:00:00	
366	srv_date_update	datetime	YES		0000-00-00 00:00:00	
367	srv_date_osupdate	datetime	YES		0000-00-00 00:00:00	
368	srv_kernel_version	varchar(40)	YES		NULL	
369	srv_kernel_bitmode	smallint(11)	NO		64	
370	srv_hwd_bitmode	smallint(11)	NO		64	
371	srv_model	varchar(40)	YES		NULL	
372	srv_serial	varchar(25)	YES		NULL	
373	srv_memory	int(11)	YES		NULL	
374	srv_nb_cpu	smallint(6)	NO		1	
375	srv_cpu_speed	int(11)	YES		NULL	
376	srv_nb_socket	smallint(6)	NO		1	
377	srv_core_per_socket	smallint(6)	NO		1	
378	srv_thread_per_core	smallint(6)	NO		0	


```

420 | server | BTREE | 0 | idx_srv_name | 1 | srv_name | A | 25 | NULL | NULL
421 | | BTREE | | | | | | | | |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
422
423
424 Script table:
425 +-----+-----+-----+-----+-----+-----+-----+
426 | Field | Type | Null | Key | Default | Extra |
427 +-----+-----+-----+-----+-----+-----+-----+
428 | scr_id | mediumint(8) unsigned | NO | PRI | NULL | auto_increment |
429 | scr_name | varchar(40) | YES | UNI | NULL | |
430 | scr_desc | varchar(80) | YES | | NULL | |
431 | scr_version | varchar(10) | NO | | NULL | |
432 | scr_alert_grp | varchar(15) | YES | | NULL | |
433 | scr_alert_type | smallint(6) | NO | | 1 | |
434 | scr_sysadm_email | varchar(50) | NO | | NULL | |
435 | scr_multiple_exec | tinyint(1) | NO | | 0 | |
436 | scr_use_rch | tinyint(1) | NO | | 1 | |
437 | scr_log_type | varchar(1) | NO | | B | |
438 | scr_log_append | tinyint(1) | NO | | 0 | |
439 | scr_log_header | tinyint(1) | NO | | 1 | |
440 | scr_log_footer | tinyint(1) | NO | | 1 | |
441 | scr_active | tinyint(1) | NO | | 1 | |
442 | scr_max_logline | int(11) | NO | | 500 | |
443 | scr_max_rchline | int(11) | NO | | 35 | |
444 | scr_pid_timeout | int(11) | NO | | 7200 | |
445 | scr_max_inactive_days | int(3) | NO | | 31 | |
446 | scr_root_exec | tinyint(4) | NO | | 0 | |
447 | scr_run_sadmin | tinyint(4) | NO | | 0 | |
448 | scr_os | varchar(10) | NO | | any | |
449 | scr_last_activity | datetime | NO | | current_timestamp() | |
450 | scr_severity | smallint(6) | NO | | 1 | |
451 | scr_exclude | set('0','1') | NO | | 0 | |
452 +-----+-----+-----+-----+-----+-----+-----+
453 |
+-----+-----+-----+-----+-----+-----+-----+
454 | Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed |
455 | Null | Index_type | Comment | Index_comment |
+-----+-----+-----+-----+-----+-----+-----+
456 | script | 0 | PRIMARY | 1 | scr_id | A | 0 | NULL | NULL
| | BTREE | | | | | | |

```

```

457 | script |          0 | scr_name_key |          1 | scr_name | A          |          0 | NULL | NULL |
458 YES | BTREE |          |          |          |          |          |          |
459 +-----+-----+-----+-----+-----+-----+-----+-----+
460
461
462 Script_rch:
463 +-----+-----+-----+-----+-----+-----+-----+-----+
464 | Field | Type | Null | Key | Default | Extra |
465 +-----+-----+-----+-----+-----+-----+-----+-----+
466 | scrdet_host | varchar(15) | NO | PRI | NULL |
467 | scrdet_name | varchar(40) | NO | PRI | NULL |
468 | scrdet_status | tinyint(2) | NO | | 0 |
469 | scrdet_active | int(1) | NO | | 1 |
470 | srcdet_start | timestamp | NO | PRI | 0000-00-00 00:00:00 |
471 | srcdet_end | timestamp | YES | | NULL |
472 | srcdet_elapse | time | YES | | NULL |
473 | scrdet_alertcode | tinyint(3) unsigned | YES | | NULL |
474 | scrdet_alertgroup | varchar(30) | YES | | NULL |
475 +-----+-----+-----+-----+-----+-----+-----+-----+
476
477 +-----+-----+-----+-----+-----+-----+-----+-----+
478 | Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed |
479 | Null | Index_type | Comment | Index_comment |
480 +-----+-----+-----+-----+-----+-----+-----+-----+
481 | script_rch |          0 | PRIMARY |          1 | scrdet_host | A          |          0 | NULL | NULL |
482 |          | BTREE |          |          |          |          |          |          |
483 | script_rch |          0 | PRIMARY |          2 | scrdet_name | A          |          0 | NULL | NULL |
484 |          | BTREE |          |          |          |          |          |          |
485 | script_rch |          0 | PRIMARY |          3 | srcdet_start | A          |          0 | NULL | NULL |
486 |          | BTREE |          |          |          |          |          |          |
487 +-----+-----+-----+-----+-----+-----+-----+-----+
488
489 Closing Database pdb_connection
490
491 =====
492 Script exit code is 0 (Success) and execution time is 00:00:00
493 Send an alert only when it terminate with error.
494 Trim log file /opt/sadmin/log/sherlock_sadmlib_std_demo.log to 500 lines.
495 Tue 16 Aug 2022 11:51:14 - End of sadmlib_std_demo.py
496 =====

```

492