```
root@holmes:/sadmin/bin# sadmlib_std_demo.py
2018.05.24 07:30:09 - ==================================================================================
2018.05.24 07:30:09 - Starting sadmlib_std_demo.py V1.8 - SADM Lib. V2.13
2018.05.24 07:30:09 - Server Name: holmes.maison.ca - Type: Linux
2018.05.24 07:30:09 - O/S: Centos  7.5.1804 - Code Name: Core
2018.05.24 07:30:09 - ================================================
2018.05.24 07:30:09 -
2018.05.24 07:30:09 - Database connection succeeded
Library V2.13 - Script V1.8
-----------------------------------------------------------------------------------------------
SADMIN Various Methods and Attributes
-----------------------------------------------------------------------------------------------
obj.get_release()                       Release Number                        : 0.86
obj.get_ostype()                        O/S Type (Always Uppercase)           : LINUX
obj.get_osversion()                     Return O/S Version                    : 7.5.1804
obj.get_osmajorversion()                Return Major O/S Version              : 7
obj.get_osminorversion()                Return Minor O/S Version              : 5
obj.get_osname()                        O/S Name                              : CENTOS
obj.get_oscodename()                    Return O/S Code Name                  : CORE
obj.get_kernel_version()                Return O/S Kernel Version             : 3.10.0-862
obj.get_kernel_bitmode()                Return O/S Kernel Bit Mode            : 64
obj.hostname                            Hostname without Domain               : holmes
obj.get_host_ip()                       Return Hostname IP Address            : 192.168.1.12
obj.get_domainname()                    Return Hostname Domain Name           : maison.ca
obj.get_fqdn()                          Return FQDN Hostname                  : holmes.maison.ca
obj.get_epoch_time()                    Return Current Epoch Time             : 1527161409
obj.epoch_to_date(1527161409)           Return Date/Time from Epoch           : 2018.05.24 07:30:09
obj.date_to_epoch(2018.05.24 07:30:09)  Convert Date/Time to Epoch            : 1527161409
obj.elapse_time('2016.01.30 10:00:44','2016.01.30 10:00:03') Elapse vs 2 Dates   : 00:00:41
obj.inst                                PN without extension                  : sadmlib_std_demo
obj.username                            Current User Name                     : root
obj.tpid                                Current Process ID.                   : 5718
obj.debug                               Current Debug Level [1-9]             : 0
obj.multiple_exec                       Allow Simultanious Execution          : N
obj.use_rch                             Produce/Upd. Return Code History file : True
obj.dbsilent                            Return Err.Code, Display or Not Err.Msg : False
obj.usedb                               Script is using or not Database (Open?) : True
obj.log_type                            Set/Get Logtype(Both,Scr,Log)         : B
obj.log_append                          Open log in Append Mode               : True
obj.log_header                          Show Header in Log and Screen         : True
obj.log_footer                          Show Footer in Log and Screen         : True

SADM Client & Servers Directories Attribute
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obj.base_dir            Root Dir. of SADMIN Tools     : /sadmin
obj.tmp_dir             SADMIN Temp. Directory        : /sadmin/tmp
obj.cfg_dir             SADMIN Configuration Dir.     : /sadmin/cfg
obj.lib_dir             SADMIN Shell & Python Lib.    : /sadmin/lib
obj.bin_dir             SADMIN Shell & Python Scripts : /sadmin/bin
obj.log_dir             SADMIN Log Directory          : /sadmin/log
obj.pkg_dir             Software Pkg use in SADMIN    : /sadmin/pkg
obj.doc_dir             Documentation Directory       : /sadmin/doc
obj.sys_dir             Host Scripts(Startup/Shutdown): /sadmin/sys
obj.dat_dir             Host system Info Data Dir.    : /sadmin/dat
obj.nmon_dir            Host nmon performance files   : /sadmin/dat/nmon
obj.rch_dir             Host Result Code History files: /sadmin/dat/rch
obj.dr_dir              Host Disaster Recovery files  : /sadmin/dat/dr

SADM Servers Only Directories Attribute
--------------------------------------------------------------------------------
obj.www_dir             Web Root Dir. (On Server Only): /sadmin/www
obj.www_dat_dir         Web Systems Info Dir  (Server): /sadmin/www/dat
obj.www_lib_dir         Web Systems Lib Dir   (Server): /sadmin/www/lib
obj.www_cfg_dir         Web Systems Config Dir(Server): /sadmin/www/cfg
obj.www_net_dir         Web Systems Net Data  (Server): /sadmin/www/dat/holmes/net
obj.www_doc_dir         Web Documentation Dir.(Server): /sadmin/www/doc

SADM Files Variables
--------------------------------------------------------------------------------
obj.log_file            Cur. Script Log File          : /sadmin/log/holmes_sadmlib_std_demo.log
obj.rch_file            Cur. Script Result Code File  : /sadmin/dat/rch/holmes_sadmlib_std_demo.rch
obj.cfg_file            SADMIN Configuration File     : /sadmin/cfg/sadmin.cfg
obj.pid_file            Current Process ID. File      : /sadmin/tmp/sadmlib_std_demo.pid
obj.crontab_file        Crontab file for SADMIN       : /etc/cron.d/sadmin
obj.tmp_file1           Cur. Script Avail Tmp File 1  : /sadmin/tmp/holmes_sadmlib_std_demo_1.5718
obj.tmp_file2           Cur. Script Avail Tmp File 2  : /sadmin/tmp/holmes_sadmlib_std_demo_2.5718
obj.tmp_file3           Cur. Script Avail Tmp File 3  : /sadmin/tmp/holmes_sadmlib_std_demo_3.5718

SADM O/S Executable Full Path (If they exist on Host)
--------------------------------------------------------------------------------
obj.which               Location of the executable    : /bin/which
obj.bc                  Location of the executable    : /bin/bc
obj.lsb_release         Location of the executable    : /bin/lsb_release
obj.dmidecode           Location of the executable    : /sbin/dmidecode
obj.fdisk               Location of the executable    : /sbin/fdisk
obj.facter              Location of the executable    : /bin/facter
obj.uname               Location of the executable    : /bin/uname
obj.perl                Location of the executable    : /bin/lscpu
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obj.ssh                    Location of the executable    : /bin/ssh
obj.mail                   Location of the executable    : /bin/mail
obj.ssh_cmd                Cmd used to connect client     : /bin/ssh -qnp 32

Global variables setting after reading the SADM Configuration file
---------------------------------------------------------------------------------------------
obj.cfg_mail_addr          Send Mail Address             : duplessis.jacques@gmail.com
obj.cfg_cie_name           Your Company Name             : Batcave
obj.cfg_mail_type          0=No 1=Error 2=Success 3=All  : 1
obj.cfg_host_type          SADMIN [S]erver or [C]lient   : S
obj.cfg_server             SADMIN Server FQDN Name        : holmes.maison.ca
obj.cfg_domain             Your Default Domain           : maison.ca
obj.cfg_user               Super User Name (sudo)        : sadmin
obj.cfg_group              Super User Group              : sadmin
obj.cfg_www_user           Web Server User (apache)      : apache
obj.cfg_www_group          Web Server Group (apache)     : apache
obj.cfg_max_logline        Max. Nb. of Lines in Log file : 2000
obj.cfg_max_rchline        Max. Nb. of Line in .rch file : 125
obj.cfg_nmon_keepdays      Nb. Days to keep .nmon files  : 60
obj.cfg_sar_keepdays       Nb. Days to keep .sar files   : 60
obj.cfg_rch_keepdays       Nb. Days to keep .rch files   : 60
obj.cfg_log_keepdays       Nb. Days to keep .log files   : 60
obj.cfg_dbname             SADMIN MySQL Database Name    : sadmin
obj.cfg_dbhost             SADMIN MySQL Host Name        : sadmin.maison.ca
obj.cfg_dbdir              SADMIN MySQL Data Dir.        :
obj.cfg_dbport             SADMIN MySQL TCP/IP Port      : 3306
obj.cfg_rw_dbuser          SADMIN MySQL Read/Write User  : sadmin
obj.cfg_rw_dbpwd           SADMIN MySQL Read/Write Pwd   : Nimdas17!
obj.cfg_ro_dbuser          SADMIN MySQL Read Only User   : squery
obj.cfg_ro_dbpwd           SADMIN MySQL Read Only Pwd    : Query18!
obj.cfg_rrdtool            rrdtool location              : /bin/rrdtool
obj.cfg_ssh_port           SSH Port (Default 22)         : 32
obj.cfg_network1           Network 1 Scan for Info       : 192.168.1.0/24
obj.cfg_network2           Network 2 Scan for Info       :
obj.cfg_network3           Network 3 Scan for Info       :
obj.cfg_network4           Network 4 Scan for Info       :
obj.cfg_network5           Network 5 Scan for Info       :

SADMIN Backup Server Information (If Used)
---------------------------------------------------------------------------------------------
obj.cfg_backup_nfs_server        Backup NFS Server Name        : batnas.maison.ca
obj.cfg_backup_nfs_mount_point   Backup NFS Mount Point        : /volume1/linux
obj.cfg_backup_nfs_to_keep       Nb. Of Backup to Keep         : 3
obj.cfg_rear_nfs_server          Rear NFS Backup Server        : batnas.maison.ca
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obj.cfg_rear_nfs_mount_point      Rear NFS Mount Point         : /volume1/Linux_DR
obj.cfg_rear_backup_to_keep       Rear Backup to Keep          : 3
obj.cfg_storix_nfs_server         Storix NFS Server            : batnas.maison.ca
obj.cfg_storix_nfs_mount_point    Storix NFS Mount Point       : /volume1/storix
obj.cfg_storix_backup_to_keep     Storix NFS Backup to Keep    : 3
obj.cfg_mksysb_nfs_server         Aix mksysb NFS Backup Server : batnfs.maison.ca
obj.cfg_mksysb_nfs_mount_point    Aix mksysb NFS Mount Point   : /volume1/mksysb
obj.cfg_mksysb_backup_to_keep     Aix mksysb NFS Backup to Keep : 2
2018.05.24 07:30:09 - Closing Database connection
2018.05.24 07:30:09 -
2018.05.24 07:30:09 - ================================================
2018.05.24 07:30:09 - Script return code: 0
2018.05.24 07:30:09 - Script execution time is 00:00:00
2018.05.24 07:30:09 - Trimming /sadmin/dat/rch/holmes_sadmlib_std_demo.rch to 125 lines.
2018.05.24 07:30:09 - Mail requested if script fail - No mail sent
2018.05.24 07:30:09 - Trimming /sadmin/log/holmes_sadmlib_std_demo.log to 2000 lines.
2018.05.24 07:30:09 - Thu May 24 07:30:09 2018 - End of sadmlib_std_demo.py
2018.05.24 07:30:09 - ==========================================================================
2018.05.24 07:30:09 -
root@holmes:/sadmin/bin#
```