

```
root@holmes:/etc/cron.d# /sadmin/bin/sadmlib_std_demo.py
2018.05.25 11:07:38 - Database connection succeeded
```

```
=====
sadmlib_std_demo.py v2.6 - Library v2.13
```

Calling Functions	Description	Result
[001] ins.get_release()	SADMIN Release Number (XX.XX)	: .0.86.
[002] ins.get_ostype()	OS Type (Uppercase,LINUX,AIX,DARWIN)	: .LINUX.
[003] ins.get_osversion()	Return O/S Version (Ex: 7.2, 6.5)	: .7.5.1804.
[004] ins.get_osmajorversion()	Return O/S Major Version (Ex 7, 6)	: .7.
[005] ins.get_osminorversion()	Return O/S Minor Version (Ex 2, 3)	: .5.
[006] ins.get_osname()	O/S Name (REDHAT,CENTOS,UBUNTU,...)	: .CENTOS.
[007] ins.get_oscodename()	O/S Project Code Name	: .CORE.
[008] ins.get_kernel_version()	O/S Running Kernel Version	: .3.10.0-862.
[009] ins.get_kernel_bitmode()	O/S Kernel Bit Mode (32 or 64)	: .64.
[010] ins.hostname	Current Host Name	: .holmes.
[011] ins.get_host_ip()	Current Host IP Address	: .192.168.1.12.
[012] ins.get_domainname()	Current Host Domain Name	: .maison.ca.
[013] ins.get_fqdn()	Fully Qualified Domain Host Name	: .holmes.maison.ca.
[014] ins.get_epoch_time()	Get Current Epoch Time	: .1527260858.
[015] ins.epoch_to_date(1527260858)	Convert epoch time to date	: .2018.05.25 11:07:38.
WDATE=2018.05.25 11:07:38		
[016] ins.date_to_epoch(WDATE)	Convert Date to epoch time	: .1527260858.
DATE1=2018.06.30 10:00:44		
DATE2=2018.06.30 10:00:03		
[017] ins.elapsed_time(DATE1,DATE2)	Elastance Time between two timestamps	: .00:00:41.
[018] ins.inst	Get Script without extension	: .sadmlib_std_demo.
[019] ins.username	Current User Name	: .root.
[020] ins.tpid	Get Current Process ID	: .29195.
[021] ins.multiple_exec	Allow running simultaneous copy	: .N.
[022] ins.use_rch	Generate entry in ReturnCodeHistory	: .False.
[023] ins.dbsilent	No DB err.mess. only return error#	: .False.
[024] ins.usedb	Script need to use Database ?	: .True.
[025] ins.log_type	Output to [S]creen [L]ogFile [B]oth	: .B.
[026] ins.log_append	Append Log or Create New One	: .True.
[027] ins.log_header	Show/Generate Header in log	: .False.
[028] ins.log_footer	Show/Generate Footer in log	: .False.

```
=====
```

sadmlib\_std\_demo.py v2.6 - Library v2.13

Client Directories Var. Avail.      Description      Result

```
=====
[001] ins.base_dir      SADMIN Root Directory      : ./sadmin.
[002] ins.bin_dir       SADMIN Scripts Directory   : ./sadmin/bin.
[003] ins.tmp_dir        SADMIN Temporary file(s) Directory : ./sadmin/tmp.
[004] ins.lib_dir        SADMIN Shell & Python Library Dir. : ./sadmin/lib.
[005] ins.log_dir        SADMIN Script Log Directory  : ./sadmin/log.
[006] ins.cfg_dir        SADMIN Configuration Directory : ./sadmin/cfg.
[007] ins.sys_dir        Server Startup/Shutdown Script Dir. : ./sadmin/sys.
[008] ins.dat_dir        Server Data Directory       : ./sadmin/dat.
[009] ins.pkg_dir        SADMIN Packages Directory   : ./sadmin/pkg.
[010] ins.nmon_dir       Server NMON - Data Collected Dir. : ./sadmin/dat/nmon.
[011] ins.dr_dir         Server Disaster Recovery Info Dir. : ./sadmin/dat/dr.
[012] ins.rch_dir        Server Return Code History Dir. : ./sadmin/dat/rch.
[013] ins.net_dir        Server Network Information Dir. : ./sadmin/dat/net.
[014] ins.doc_dir        SADMIN Documentation Directory : ./sadmin/doc.
=====
```

sadmlib\_std\_demo.py v2.6 - Library v2.13

Server Directories Var. Avail.      Description      Result

```
=====
[001] ins.www_dir       SADMIN Web Site Root Directory : ./sadmin/www.
[002] ins.www_doc_dir    SADMIN Web Site Root Directory : ./sadmin/www/doc.
[003] ins.www_dat_dir    SADMIN Web Site Systems Data Dir. : ./sadmin/www/dat.
[004] ins.www_lib_dir    SADMIN Web Site PHP Library Dir. : ./sadmin/www/lib.
[005] ins.www_tmp_dir    SADMIN Web Temp Working Directory : ./sadmin/www/tmp.
=====
```

sadmlib\_std\_demo.py v2.6 - Library v2.13

SADMIN FILES VARIABLES AVAIL.      Description      Result

```
=====
[001] ins.pid_file       Current script PID file      : ./sadmin/tmp/sadmlib_std_demo.pid.
[002] ins.cfg_file       SADMIN Configuration File    : ./sadmin/cfg/sadmin.cfg.
[003] ins.cfg_hidden     SADMIN Initial Configuration File : ./sadmin/cfg/.sadmin.cfg.
[004] ins.tmp_file1       Usable Temp Work File 1     : ./sadmin/tmp/
holmes_sadmlib_std_demo_1.29195.
[005] ins.tmp_file2       Usable Temp Work File 2     : ./sadmin/tmp/
holmes_sadmlib_std_demo_2.29195.
[006] ins.tmp_file3       Usable Temp Work File 3     : ./sadmin/tmp/
=====
```

holmes\_sadmlib\_std\_demo\_3.29195.

[007] ins.log_file	Script Log File	: ./sadmin/log/holmes_sadmlib_std_demo.log.
[008] ins.rch_file	Script Return Code History File	: ./sadmin/dat/rch/
holmes_sadmlib_std_demo.rch.		
[009] ins.dbpass_file	SADMIN Database User Password File	: ./sadmin/cfg/.dbpass.
[010] ins.crontab_file	SADMIN Crontab File	: ./etc/cron.d/sadmin.

=====

sadmlib\_std\_demo.py v2.6 - Library v2.13

SADMIN CONFIG FILE VARIABLES	Description	Result
[001] ins.cfg_server	SADMIN SERVER NAME (FQDN)	: .holmes.maison.ca.
[002] ins.cfg_host_type	SADMIN [C]lient or [S]erver	: .S.
[003] ins.cfg_mail_addr	SADMIN Administrator Default Email	: .duplessis.jacques@gmail.com.
[004] ins.cfg_mail_type	0=NoMail 1=OnError 3=OnSuccess 4=All	: .1.
[005] ins.cfg_cie_name	Your Company Name	: .Batcave.
[006] ins.cfg_domain	Server Creation Default Domain	: .maison.ca.
[007] ins.cfg_user	SADMIN User Name	: .sadmin.
[008] ins.cfg_group	SADMIN Group Name	: .sadmin.
[009] ins.cfg_www_user	User that Run Apache Web Server	: .apache.
[010] ins.cfg_www_group	Group that Run Apache Web Server	: .apache.
[011] ins.cfg_dbname	SADMIN Database Name	: .sadmin.
[012] ins.cfg_dbhost	SADMIN Database Host	: .sadmin.maison.ca.
[013] ins.cfg_dbport	SADMIN Database Host TCP Port	: .3306.
[014] ins.cfg_rw_dbuser	SADMIN Database Read/Write User	: .sadmin.
[015] ins.cfg_rw_dbpwd	SADMIN Database Read/Write User Pwd	: .Nimdas17!.
[016] ins.cfg_ro_dbuser	SADMIN Database Read Only User	: .squery.
[017] ins.cfg_ro_dbpwd	SADMIN Database Read Only User Pwd	: .Query18!.
[018] ins.cfg_rrdtool	RRDTOOL Binary Location	: ./bin/rrdtool.
[019] ins.cfg_ssh_port	SSH Port to communicate with client	: .32.
[020] ins.cfg_nmon_keepdays	Nb. of days to keep nmon perf. file	: .60.
[021] ins.cfg_rch_keepdays	Nb. days to keep unmodified rch file	: .60.
[022] ins.cfg_log_keepdays	Nb. days to keep unmodified log file	: .60.
[023] ins.cfg_max_rchline	Trim rch file to this max. of lines	: .125.
[024] ins.cfg_max_logline	Trim log to this maximum of lines	: .2000.
[025] ins.cfg_network1	Network/Netmask 1 inv. IP/Name/Mac	: .192.168.1.0/24.
[026] ins.cfg_network2	Network/Netmask 2 inv. IP/Name/Mac	: ..
[027] ins.cfg_network3	Network/Netmask 3 inv. IP/Name/Mac	: ..
[028] ins.cfg_network4	Network/Netmask 4 inv. IP/Name/Mac	: ..
[029] ins.cfg_network5	Network/Netmask 5 inv. IP/Name/Mac	: ..
[030] ins.cfg_mkysyb_nfs_server	AIX MKSYB NFS Server IP or Name	: .batnfs.maison.ca.
[031] ins.cfg_mkysyb_nfs_mount_point	AIX MKSYB NFS Mount Point	: ./volume1/mkysyb.

```

[032] ins.cfg_mkysyb_backup_to_keep    AIX MKSYSB NFS Backup - Nb .to keep : .2.
[033] ins.cfg_rear_nfs_server           Rear NFS Server IP or Name          : .batnas.maison.ca.
[034] ins.cfg_rear_nfs_mount_point      Rear NFS Mount Point                : ./volume1/Linux_DR.
[035] ins.cfg_rear_backup_to_keep       Rear NFS Backup - Nb. to keep       : .3.
[036] ins.cfg_backup_nfs_server         NFS Backup IP or Server Name        : .batnas.maison.ca.
[037] ins.cfg_backup_nfs_mount_point    NFS Backup Mount Point              : ./volume1/linux.
[038] ins.cfg_backup_nfs_to_keep        NFS Backup - Nb. to keep            : .3.
[039] ins.cfg_storix_nfs_server         Storix NFS Server IP or Name        : .batnas.maison.ca.
[040] ins.cfg_storix_nfs_mount_point    Storix NFS Mount Point              : ./volume1/storix.
[041] ins.cfg_storix_backup_to_keep     Storix NFS Backup - Nb. to Keep     : .3.

```

```
=====
sadmlib_std_demo.py v2.6 - Library v2.13
```

```
COMMAND PATH USE BY SADMIN STD. LIBR.Description
```

```
Result
```

```
=====
[001] ins.lsb_release                  Cmd. 'lsb_release', Get O/S Version : ./bin/lsb_release.
[002] ins.dmidcode                     Cmd. 'dmidecode', Get model & type  : ./sbin/dmidecode.
[003] ins.facter                       Cmd. 'facter', Get System Info     : ./bin/facter.
[004] ins.bc                          Cmd. 'bc', Do some Math.           : ./bin/bc.
[005] ins.fdisk                       Cmd. 'fdisk', Get Partition Info   : ./sbin/fdisk.
[006] ins.which                       Cmd. 'which', Get Command location : ./bin/which.
[007] ins.perl                        Cmd. 'perl', epoch time Calc.      : ./bin/perl.
[008] ins.mail                        Cmd. 'mail', Send SysAdmin Email   : ./bin/mail.
[009] ins.lscpu                       Cmd. 'lscpu', Socket & thread info : ./bin/lscpu.
[010] ins.nmon                        Cmd. 'nmon', Collect Perf Statistic : ./bin/nmon.
[011] ins.parted                      Cmd. 'parted', Get Disk Real Size  : ./sbin/parted.
[012] ins.ethtool                     Cmd. 'ethtool', Get System IP Info : ./sbin/ethtool.
[013] ins.ssh                         Cmd. 'ssh', SSH to SADMIN client   : ./bin/ssh.
[014] ins.ssh_cmd                     Cmd. 'ssh', SSH to Connect to client: ./bin/ssh -qnp 32 .

```

```
2018.05.25 11:07:38 - Closing Database connection
```

```
root@holmes:/etc/cron.d#
```