

```
=====
sadmlib_std_demo.sh v3.12 - Library v3.00
```

```
User Var. that affect SADMIN behavior  Description          This System
Result
```

```
=====
[001] $SADM_VER          Script Version Number      :
3.12
[002] $SADM_PN           Script Name                          :
sadmlib_std_demo.sh
[003] $SADM_INST         Script Name Without Extension       :
sadmlib_std_demo
[004] $SADM_USERNAME     Current User Name                    :
root
[005] $SADM_TPID         Current Process ID                      :
32672
[006] $SADM_MULTIPLE_EXEC Allow running multiple copy  :
Y
[007] $SADM_USE_RCH      Gen. entry in .rch file                :
N
[008] $SADM_LOG_TYPE     Set Output to [S]creen [L]og [B]oth :
B
[009] $SADM_LOG_APPEND   Append Log or Create New One   :
N
[010] $SADM_LOG_HEADER   Generate Header in log         :
N
[011] $SADM_LOG_FOOTER   Generate or not Footer in log  :
N
[012] $SADM_EXIT_CODE    Script Exit Return Code              :
0
```

```
=====
sadmlib_std_demo.sh v3.12 - Library v3.00
```

```
Calling Functions  Description          This System
Result
```

```
=====
[001] $(sadm_get_release) SADMIN Release Number (XX.XX) :
0.97.1
[002] $(sadm_get_ostype)  OS Type (Uppercase,LINUX,AIX,DARWIN):
LINUX
[003] $(sadm_get_osversion) Return O/S Version (Ex: 7.2, 6.5) :
7.6.1810
[004] $(sadm_get_osmajorversion) Return O/S Major Version (Ex 7, 6) :
7
[005] $(sadm_get_osminorversion) Return O/S Minor Version (Ex 2, 3) :
6
[006] $(sadm_get_osname)  O/S Name (REDHAT,CENTOS,UBUNTU,...) :
CENTOS
[007] $(sadm_get_oscodename) O/S Project Code Name      :
Core
[008] $(sadm_get_kernel_version) O/S Running Kernel Version :
3.10.0-957.12.2.el7.x86_64
[009] $(sadm_get_kernel_bitmode) O/S Kernel Bit Mode (32 or 64) :
64
[010] $(sadm_get_hostname) Current Host Name                :
holmes
[011] $(sadm_get_host_ip)  Current Host IP Address            :
192.168.1.12
[012] $(sadm_get_domainname) Current Host Domain Name        :
maison.ca
[013] $(sadm_get_fqdn)     Fully Qualified Domain Host Name    :
holmes.maison.ca
[014] $(sadm_get_epoch_time) Get Current Epoch Time          :
1558106071
[015] $(sadm_epoch_to_date 1558106071) Convert epoch time to date : 2019.05.17
11:14:31
WDATE='2019.05.17 11:14:31'
[016] $(sadm_date_to_epoch "$WDATE") Convert Date to epoch time :
1558106071
DATE1='2016.01.30 10:00:44'
```

```

    DATE2='2016.01.30 10:00:03'
[017] $(sadm_elapse "$DATE1" "$DATE2") Elapse Time between two timestamps :
00:00:41
[018] $(sadm_get_packagetype)          Get package type (rpm,deb,aix,dmg) :
rpm

```

```
=====
sadmlib_std_demo.sh v3.12 - Library v3.00
```

```
SADMIN BASH SHELL SPECIFIC FUNCTIONS      Description                          This System
Result
```

```
=====
[001] $(sadm_server_type)                Host is Physical or Virtual (P/V)   :
P
[002] $(sadm_server_model)               Server model (Ex: HP ProLiant DL580): OptiPlex
7020
[003] $(sadm_server_serial)              Server serial number (Ex: 4S7GYF1)  :
BJSV942
[004] $(sadm_server_memory)              Server total memory in MB (Ex: 3790):
7730
[005] $(sadm_server_hardware_bitmode)    CPU Hardware capable of 32/64 bits  :
64
[006] $(sadm_server_nb_logical_cpu)      Number of Logical CPU on server     :
4
[007] $(sadm_server_nb_cpu)              Number of Physical CPU on server    :
1
[008] $(sadm_server_nb_socket)           Number of socket on server          :
1
[009] $(sadm_server_core_per_socket)     Number of Core per Socket           :
4
[010] $(sadm_server_thread_per_core)     Number of Thread per Core           :
1
[011] $(sadm_server_cpu_speed)            Server CPU Speed in MHz              :
3343
[012] $(sadm_server_disks)                Disks list(MB) (DISKNAME|SIZE,...)  : sda|512000,sdb|
1024000
[013] $(sadm_server_vg)                   VG list(MB) (VGNAME|SIZE|USED|FREE)  : rootvg|476426|
396923|79503
[014] $(sadm_server_ips)                  Network IP(Name|IP|Netmask|MAC)      : 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|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|192.168.1.23|
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:a2,em1:8|192.168.1.29|255.255.255.0|98:90:96:b7:64:a2
[015] sadm_toupper string                Return string uppercase              :
STRING
[016] sadm_tolower STRING                 Return string lowercase              :
string
=====

```

```
=====
sadmlib_std_demo.sh v3.12 - Library v3.00
```

```
Overview of sadm_start and sadm_stop
function
```

```
=====
Example of utilization:
```

```

# sadm_start                                # Init Env Dir & RC/Log File
# if [ $? -ne 0 ] ; then sadm_stop 1 ; exit 1 ;fi # Exit if Problem
# main_process                             # Main Process
# SADM_EXIT_CODE=$?                        # Save Error Code
# sadm_stop $SADM_EXIT_CODE                # Close SADM Tool & Upd RCH
# exit $SADM_EXIT_CODE                     # Exit With Global Err (0/1)

```

```
sadm_start
```

```
Start and initialize sadm environment - Accept no Parameter
```

```
If SADMIN root directory is not /sadmin, make sure the SADMIN Env. variable is set to proper
dir.
```

```
Please call this function when your script is starting
```

```
What this function will do for us :
```

```

1) Make sure all directories & sub-directories exist and have proper permissions.
2) Make sure log file exist with proper permission (/sadmin/log/
holmes_sadmlib_std_demo.log)
3) Make sure Return Code History (.rch) exist and have the right permission
4) If PID file exist, show error message and abort.
   Unless user allow more than one copy to run simultaneously (SADM_MULTIPLE_EXEC='Y')
5) Add line in the [R]eturn [C]ode [H]istory file stating script is started (Code 2)
6) Write HostName - Script name and version - O/S Name and version to the Log file
(SADM_LOG)

```

#### sadm\_stop

Accept one parameter - Either 0 (Successfull) or non-zero (Error Encountered)  
Please call this function just before your script end

What this function do.

- 1) If Exit Code is not zero, change it to 1.
- 2) Get Actual Time and Calculate the Execution Time.
- 3) Writing the Script Footer in the Log (Script Return code, Execution Time, ...)
- 4) Update the RCH File (Start/End/Elapse Time and the Result Code)
- 5) Trim The RCH File Based on User choice in sadmin.cfg
- 6) Write to Log the user mail alerting type choose by user (sadmin.cfg)
- 7) Trim the Log based on user selection in sadmin.cfg
- 8) Send Email to sysadmin (if user selected that option in sadmin.cfg)
- 9) Delete the PID File of the script (SADM\_PID\_FILE)
- 10) Delete the User 3 TMP Files (SADM\_TMP\_FILE1, SADM\_TMP\_FILE2, SADM\_TMP\_FILE3)

=====

sadmlib\_std\_demo.sh v3.12 - Library v3.00

| SADMIN CONFIG FILE VARIABLES                          | Description                           | This System |
|---|---------------------------------------|-------------|
| Result  |                                       |             |
| [001] \$SADM_SERVER<br>holmes.maison.ca               | SADMIN SERVER NAME (FQDN)             | :           |
| [002] \$SADM_HOST_TYPE<br>S                           | SADMIN [C]lient or [S]erver           | :           |
| [003] \$SADM_MAIL_ADDR<br>duplessis.jacques@gmail.com | SADMIN Administrator Default Email    | :           |
| [004] \$SADM_ALERT_TYPE<br>1                          | 0=NoMail 1=OnError 2=OnSuccess 3=All: |             |
| [005] \$SADM_ALERT_GROUP<br>default                   | Default Alert Group                   | :           |
| [006] \$SADM_ALERT_REPEAT<br>21600                    | Seconds to wait before repeat alert   | :           |
| [007] \$SADM_TEXTBELT_URL<br>textbelt.com/text        | TextBelt.com API URL                  | : https://  |
| [008] \$SADM_CIE_NAME<br>Name                         | Your Company Name                     | : Your Cie  |
| [009] \$SADM_DOMAIN<br>maison.ca                      | Server Creation Default Domain        | :           |
| [010] \$SADM_USER<br>sadmin                           | SADMIN User Name                      | :           |
| [011] \$SADM_GROUP<br>sadmin                          | SADMIN Group Name                     | :           |
| [012] \$SADM_WWW_USER<br>apache                       | User that Run Apache Web Server       | :           |
| [013] \$SADM_WWW_GROUP<br>apache                      | Group that Run Apache Web Server      | :           |
| [014] \$SADM_DBNAME<br>sadmin                         | SADMIN Database Name                  | :           |
| [015] \$SADM_DBHOST<br>sadmin.maison.ca               | SADMIN Database Host                  | :           |
| [016] \$SADM_DBPORT<br>3306                           | SADMIN Database Host TCP Port         | :           |
| [017] \$SADM_RW_DBUSER<br>sadmin                      | SADMIN Database Read/Write User       | :           |
| [018] \$SADM_RW_DBPWD<br>Pwd :                        | SADMIN Database Read/Write User       | :           |
| [019] \$SADM_RO_DBUSER                                | SADMIN Database Read Only User        | :           |

```

squery
[020] $SADM_RO_DBPWD          SADMIN Database Read Only User
Pwd :
[021] $SADM_RRDTOOL           RRDTOOL Binary Location           : /bin/
rrdtool
[022] $SADM_SSH_PORT           SSH Port to communicate with client :
32
[023] $SADM_NMON_KEEPPDAYS      Nb. of days to keep nmon perf. file :
40
[024] $SADM_RCH_KEEPPDAYS      Nb. days to keep unmodified rch file:
60
[025] $SADM_LOG_KEEPPDAYS      Nb. days to keep unmodified log file:
60
[026] $SADM_MAX_RCLINE         Trim rch file to this max. of lines :
75
[027] $SADM_MAX_LOGLINE        Trim log to this maximum of lines  :
500
[028] $SADM_NETWORK1           Network/Netmask 1 inv. IP/Name/Mac :
192.168.1.0/24
[029] $SADM_NETWORK2           Network/Netmask 2 inv. IP/Name/
Mac :
[030] $SADM_NETWORK3           Network/Netmask 3 inv. IP/Name/
Mac :
[031] $SADM_NETWORK4           Network/Netmask 4 inv. IP/Name/
Mac :
[032] $SADM_NETWORK5           Network/Netmask 5 inv. IP/Name/
Mac :
[033] $SADM_MKSYSB_NFS_SERVER   AIX MKSYSB NFS Server IP or Name :
batnfs.maison.ca
[034] $SADM_MKSYSB_NFS_MOUNT_POINT AIX MKSYSB NFS Mount Point       : /volume1/
mkysyb
[035] $SADM_MKSYSB_BACKUP_TO_KEEP AIX MKSYSB NFS Backup - Nb. to keep :
2
[036] $SADM_REAR_NFS_SERVER      Rear NFS Server IP or Name       :
batnas.maison.ca
[037] $SADM_REAR_NFS_MOUNT_POINT Rear NFS Mount Point             : /volume1/
Linux_DR
[038] $SADM_REAR_BACKUP_TO_KEEP  Rear NFS Backup - Nb. to keep   :
3
[039] $SADM_BACKUP_NFS_SERVER     NFS Backup IP or Server Name    :
batnas.maison.ca
[040] $SADM_BACKUP_NFS_MOUNT_POINT NFS Backup Mount Point         : /volume1/
backup_linux
[041] $SADM_DAILY_BACKUP_TO_KEEP  Nb. of Daily Backup to keep    :
4
[042] $SADM_WEEKLY_BACKUP_TO_KEEP Nb. of Weekly Backup to keep   :
4
[043] $SADM_MONTHLY_BACKUP_TO_KEEP Nb. of Monthly Backup to keep  :
4
[044] $SADM_YEARLY_BACKUP_TO_KEEP Nb. of Yearly Backup to keep   :
2
[045] $SADM_WEEKLY_BACKUP_DAY     Weekly Backup Day (1=Mon,...,7=Sun) :
5
[046] $SADM_MONTHLY_BACKUP_DATE    Monthly Backup Date (1-28)      :
1
[047] $SADM_YEARLY_BACKUP_MONTH    Month to take Yearly Backup (1-12) :
12
[048] $SADM_YEARLY_BACKUP_DATE     Date to do Yearly Backup(1-DayInMth):
31

```

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=====
sadmlib_std_demo.sh v3.12 - Library v3.00
```

| Client Directories Var. Avail.<br>Result | Description              | This System |
|--|--------------------------|-------------|
| [001] \$SADM_BASE_DIR                    | SADMIN Root Directory    | : /         |
| sadmin                                   |                          |             |
| [002] \$SADM_BIN_DIR                     | SADMIN Scripts Directory | : /sadmin/  |
| bin                                      |                          |             |

|                                 |                                       |                |
|---------------------------------|---------------------------------------|----------------|
| [003] \$SADM_TMP_DIR<br>tmp     | SADMIN Temporary file(s) Directory    | : /sadmin/     |
| [004] \$SADM_LIB_DIR<br>lib     | SADMIN Shell & Python Library Dir.    | : /sadmin/     |
| [005] \$SADM_LOG_DIR<br>log     | SADMIN Script Log Directory           | : /sadmin/     |
| [006] \$SADM_CFG_DIR<br>cfg     | SADMIN Configuration Directory        | : /sadmin/     |
| [007] \$SADM_SYS_DIR<br>sys     | Server Startup/Shutdown Script Dir.   | : /sadmin/     |
| [008] \$SADM_DOC_DIR<br>doc     | SADMIN Documentation Directory        | : /sadmin/     |
| [009] \$SADM_PKG_DIR<br>pkg     | SADMIN Packages Directory             | : /sadmin/     |
| [010] \$SADM_DAT_DIR<br>dat     | Server Data Directory                 | : /sadmin/     |
| [011] \$SADM_NMON_DIR<br>nmon   | Server NMON - Data Collected Dir.     | : /sadmin/dat/ |
| [012] \$SADM_DR_DIR<br>dr       | Server Disaster Recovery Info Dir.    | : /sadmin/dat/ |
| [013] \$SADM_RCH_DIR<br>rch     | Server Return Code History Dir.       | : /sadmin/dat/ |
| [014] \$SADM_NET_DIR<br>net     | Server Network Info Dir.              | : /sadmin/dat/ |
| [015] \$SADM_RPT_DIR<br>rpt     | SYStem MONitor Report Directory       | : /sadmin/dat/ |
| [016] \$SADM_DBB_DIR<br>dbb     | Database Backup Directory             | : /sadmin/dat/ |
| [017] \$SADM_SETUP_DIR<br>setup | SADMIN Installation/Update Dir.       | : /sadmin/     |
| [018] \$SADM_USR_DIR<br>usr     | User/System specific directory        | : /sadmin/     |
| [019] \$SADM_UBIN_DIR<br>bin    | User/System specific bin/script Dir.: | /sadmin/usr/   |
| [020] \$SADM_ULIB_DIR<br>lib    | User/System specific library Dir.     | : /sadmin/usr/ |
| [021] \$SADM_UDOC_DIR<br>doc    | User/System specific documentation    | : /sadmin/usr/ |
| [022] \$SADM_UMON_DIR<br>mon    | User/System specific SysMon Scripts   | : /sadmin/usr/ |

=====

sadmlib\_std\_demo.sh v3.12 - Library v3.00

| Server Directories Var. Avail.<br>Result | Description | This System |
|--|-------------|-------------|
|--|-------------|-------------|

|                                   |                                   |                    |
|-----------------------------------|-----------------------------------|--------------------|
| [001] \$SADM_WWW_DIR<br>www       | SADMIN Web Site Root Directory    | : /sadmin/         |
| [002] \$SADM_WWW_DOC_DIR<br>doc   | SADMIN Web Documentation Dir.     | : /sadmin/www/     |
| [003] \$SADM_WWW_DAT_DIR<br>dat   | SADMIN Web Site Systems Data Dir. | : /sadmin/www/     |
| [004] \$SADM_WWW_LIB_DIR<br>lib   | SADMIN Web Site PHP Library Dir.  | : /sadmin/www/     |
| [005] \$SADM_WWW_TMP_DIR<br>tmp   | SADMIN Web Temp Working Directory | : /sadmin/www/     |
| [006] \$SADM_WWW_PERF_DIR<br>perf | SADMIN Web Performance Graph Dir. | : /sadmin/www/tmp/ |

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sadmlib\_std\_demo.sh v3.12 - Library v3.00

| SADMIN FILES VARIABLES AVAIL.<br>Result | Description | This System |
|---|-------------|-------------|
|---|-------------|-------------|

|   |                           |                |
|---|---------------------------|----------------|
| [001] \$SADM_PID_FILE<br>sadmlib_std_demo.pid | Current script PID file   | : /sadmin/tmp/ |
| [002] \$SADM_CFG_FILE<br>sadmin.cfg           | SADMIN Configuration File | : /sadmin/cfg/ |

|   |                                    |                    |
|---|------------------------------------|--------------------|
| [003] \$SADM_CFG_HIDDEN<br>cfg/.sadmin.cfg                  | SADMIN Initial Configuration File  | : /sadmin/         |
| [004] \$SADM_ALERT_FILE<br>alert_group.cfg                  | SADMIN Alert Group File            | : /sadmin/cfg/     |
| [005] \$SADM_ALERT_INIT<br>cfg/.alert_group.cfg             | SADMIN Initial Alert Group File    | : /sadmin/         |
| [006] \$SADM_SLACK_FILE<br>alert_slack.cfg                  | SADMIN Slack Channel WebHook File  | : /sadmin/cfg/     |
| [007] \$SADM_SLACK_INIT<br>cfg/.alert_slack.cfg             | SADMIN Initial Slack WebHook File  | : /sadmin/         |
| [008] \$SADM_ALERT_HIST<br>alert_history.txt                | SADMIN Alert History File          | : /sadmin/cfg/     |
| [009] \$SADM_ALERT_HINI<br>cfg/.alert_history.txt           | SADMIN Initial Alert History File  | : /sadmin/         |
| [010] \$SADM_ALERT_SEQ<br>alert_history.seq                 | SADMIN Alert Reference Number File | : /sadmin/cfg/     |
| [011] \$SADM_TMP_FILE1<br>sadmlib_std_demo_1.32672          | User usable Temp Work File 1       | : /sadmin/tmp/     |
| [012] \$SADM_TMP_FILE2<br>sadmlib_std_demo_2.32672          | User usable Temp Work File 2       | : /sadmin/tmp/     |
| [013] \$SADM_TMP_FILE3<br>sadmlib_std_demo_3.32672          | User usable Temp Work File 3       | : /sadmin/tmp/     |
| [014] \$SADM_LOG<br>holmes_sadmlib_std_demo.log             | Script Log File                    | : /sadmin/log/     |
| [015] \$SADM_RCHLOG<br>holmes_sadmlib_std_demo.rch          | Script Return Code History File    | : /sadmin/dat/rch/ |
| [016] \$DBPASSFILE<br>cfg/.dbpass                           | SADMIN Database User Password File | : /sadmin/         |
| [017] \$SADM_RPT_FILE<br>holmes.rpt                         | SYStem MONitor Report File         | : /sadmin/dat/rpt/ |
| [018] \$SADM_BACKUP_LIST<br>backup_list.txt                 | Backup List File Name              | : /sadmin/cfg/     |
| [019] \$SADM_BACKUP_LIST_INIT<br>cfg/.backup_list.txt       | Initial Backup List (Template)     | : /sadmin/         |
| [020] \$SADM_BACKUP_EXCLUDE<br>backup_exclude.txt           | Backup Exclude List File Name      | : /sadmin/cfg/     |
| [021] \$SADM_BACKUP_EXCLUDE_INIT<br>cfg/.backup_exclude.txt | Initial Backup Exclude (Template)  | : /sadmin/         |

=====

sadmlib\_std\_demo.sh v3.12 - Library v3.00

COMMAND PATH USE BY SADMIN STD. LIBR. Description

This System

Result

|   |                                     |          |
|---|-------------------------------------|----------|
| [001] \$SADM_LSB_RELEASE<br>lsb_release | Cmd. 'lsb_release', Get O/S Version | : /bin/  |
| [002] \$SADM_DMIDECODE<br>dmidecode     | Cmd. 'dmidecode', Get model & type  | : /sbin/ |
| [003] \$SADM_FACTER<br>facter           | Cmd. 'facter', Get System Info      | : /bin/  |
| [004] \$SADM_BC<br>bc                   | Cmd. 'bc', Do some Math.            | : /bin/  |
| [005] \$SADM_FDISK<br>fdisk             | Cmd. 'fdisk', Get Partition Info    | : /sbin/ |
| [006] \$SADM_WHICH<br>which             | Cmd. 'which', Get Command location  | : /bin/  |
| [007] \$SADM_PERL<br>perl               | Cmd. 'perl', epoch time Calc.       | : /bin/  |
| [008] \$SADM_MAIL<br>mail               | Cmd. 'mail', Send SysAdmin Email    | : /bin/  |
| [009] \$SADM_MUTT<br>mutt               | Cmd. 'mutt', Used to Send Email     | : /bin/  |
| [010] \$SADM_CURL<br>curl               | Used to send alert to Slack         | : /bin/  |
| [011] \$SADM_LSVCPU<br>lscpu            | Cmd. 'lscpu', Socket & thread info  | : /bin/  |
| [012] \$SADM_NMON<br>nmon               | Cmd. 'nmon', Collect Perf Statistic | : /bin/  |
| [013] \$SADM_PARTED                     | Cmd. 'parted', Get Disk Real Size   | : /sbin/ |

```

parted
[014] $SADM_ETHTOOL          Cmd. 'ethtool', Get System IP Info  : /sbin/
ethtool
[015] $SADM_SSH              Cmd. 'ssh', SSH to SADMIN client   : /bin/
ssh
[016] $SADM_SSH_CMD          Cmd. 'ssh', SSH to Connect to client: /bin/ssh -
qnp32

```

```

=====
sadmlib_std_demo.sh v3.12 - Library v3.00
Database Information      Description                      This System
Result
=====

```

## Show SADMIN Tables:

```

server
server_category
server_group
server_network

```

## Category Table:

|             |             |    |     |                     |                             |
|-------------|-------------|----|-----|---------------------|-----------------------------|
| cat_id      | int(11)     | NO | PRI | NULL                | auto_increment              |
| cat_code    | varchar(10) | NO | UNI | NULL                |                             |
| cat_desc    | varchar(25) | NO |     | NULL                |                             |
| cat_active  | tinyint(1)  | NO |     | 1                   |                             |
| cat_date    | timestamp   | NO |     | 0000-00-00 00:00:00 | on update CURRENT_TIMESTAMP |
| cat_default | tinyint(1)  | NO |     | 0                   |                             |

## Group Table:

|             |             |    |     |                   |                             |
|-------------|-------------|----|-----|-------------------|-----------------------------|
| grp_id      | int(11)     | NO | PRI | NULL              | auto_increment              |
| grp_code    | varchar(10) | NO | UNI | NULL              |                             |
| grp_desc    | varchar(25) | NO |     | NULL              |                             |
| grp_active  | tinyint(1)  | NO |     | 1                 |                             |
| grp_date    | timestamp   | NO |     | CURRENT_TIMESTAMP | on update CURRENT_TIMESTAMP |
| grp_default | tinyint(1)  | NO |     | 0                 |                             |

## Server Table:

|                    |              |     |     |                     |                |
|--------------------|--------------|-----|-----|---------------------|----------------|
| srv_id             | int(11)      | NO  | PRI | NULL                | auto_increment |
| srv_name           | varchar(15)  | NO  | UNI | NULL                |                |
| srv_domain         | varchar(30)  | NO  |     | NULL                |                |
| srv_desc           | varchar(30)  | NO  |     | NULL                |                |
| srv_tag            | varchar(15)  | NO  |     | NULL                |                |
| srv_note           | varchar(30)  | NO  |     | NULL                |                |
| srv_active         | tinyint(1)   | NO  |     | 1                   |                |
| srv_sporadic       | tinyint(1)   | NO  |     | 0                   |                |
| srv_monitor        | tinyint(1)   | NO  |     | 1                   |                |
| srv_alert_group    | varchar(15)  | NO  |     | default             |                |
| srv_graph          | tinyint(1)   | NO  |     | 1                   |                |
| srv_cat            | varchar(10)  | NO  |     | NULL                |                |
| srv_group          | varchar(10)  | NO  |     | NULL                |                |
| srv_vm             | tinyint(1)   | NO  |     | 0                   |                |
| srv_osname         | varchar(15)  | YES |     | NULL                |                |
| srv_ostype         | varchar(10)  | NO  |     | linux               |                |
| srv_oscodename     | text         | NO  |     | NULL                |                |
| srv_osversion      | varchar(12)  | NO  |     | NULL                |                |
| srv_osver_major    | varchar(10)  | NO  |     | NULL                |                |
| srv_date_creation  | datetime     | YES |     | 0000-00-00 00:00:00 |                |
| srv_date_edit      | datetime     | YES |     | 0000-00-00 00:00:00 |                |
| srv_date_update    | datetime     | YES |     | 0000-00-00 00:00:00 |                |
| srv_date_osupdate  | datetime     | YES |     | 0000-00-00 00:00:00 |                |
| srv_kernel_version | varchar(30)  | NO  |     | NULL                |                |
| srv_kernel_bitmode | smallint(11) | NO  |     | 64                  |                |
| srv_hwd_bitmode    | smallint(11) | NO  |     | 64                  |                |
| srv_model          | varchar(25)  | NO  |     | NULL                |                |
| srv_serial         | varchar(25)  | NO  |     | NULL                |                |
| srv_memory         | int(11)      | NO  |     | NULL                |                |

[illegible]