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1      # Set Default Values for Script Related Variables
2      self.log_type           = "B"                # 4Logger S=Scr L=Log B=Both
3      self.multiple_exec     = "N"                # Default Run multiple copy
4      self.log_append        = True                # Append to Existing Log ?
5      self.ver                = "1.0"              # Default Program Version
6      self.pn                 = os.path.basename(sys.argv[0]) # Program name
7      self.inst               = os.path.basename(sys.argv[0]).split('.')[0] # Pgm name without Ext
8      self.tpid               = str(os.getpid())    # Get Current Process ID.
9      self.exit_code          = 0                  # Set Default Return Code
10     self.debug               = 0                  # Debug Level (0-9)
11     self.dbsilent            = False               # True or False Show ErrMsg
12     self.usedb                = False              # Use or Not MySQL DB
13
14     # O/S Info
15     self.hostname             = socket.gethostname().split('.')[0] # Get current hostname
16     self.os_type              = self.get_ostype()    # O/S LINUX,AIX,DARWIN
17     self.username             = getpass.getuser()   # Get Current User Name
18
19
20     # SADM Sub Directories Definitions
21     self.lib_dir               = os.path.join(self.base_dir,'lib')  # SADM Lib. Directory
22     self.tmp_dir               = os.path.join(self.base_dir,'tmp')  # SADM Temp. Directory
23     self.bin_dir               = os.path.join(self.base_dir,'bin')  # SADM Scripts Directory
24     self.log_dir               = os.path.join(self.base_dir,'log')  # SADM Log Directory
25     self.pkg_dir               = os.path.join(self.base_dir,'pkg')  # SADM Package Directory
26     self.cfg_dir               = os.path.join(self.base_dir,'cfg')  # SADM Config Directory
27     self.sys_dir               = os.path.join(self.base_dir,'sys')  # SADM System Scripts Dir.
28     self.dat_dir               = os.path.join(self.base_dir,'dat')  # SADM Data Directory
29     self.doc_dir               = os.path.join(self.base_dir,'doc')  # SADM Documentation Dir.
30     self.nmon_dir              = os.path.join(self.dat_dir,'nmon')  # SADM nmon File Directory
31     self.rch_dir               = os.path.join(self.dat_dir,'rch')  # SADM Result Code Dir.
32     self.dr_dir                = os.path.join(self.dat_dir,'dr')   # SADM Disaster Recovery Dir
33     self.sar_dir               = os.path.join(self.dat_dir,'sar')   # SADM System Activity Rep.
34     self.net_dir               = os.path.join(self.dat_dir,'net')   # SADM Network/Subnet Dir
35     self.rpt_dir               = os.path.join(self.dat_dir,'rpt')   # SADM Sysmon Report Dir.
36     self.www_dir               = os.path.join(self.base_dir,'www')  # SADM WebSite Dir Structure
37
38     # SADM Web Site Directories Structure
39     self.www_dat_dir           = os.path.join(self.www_dir,'dat')   # SADM Web Site Data Dir
40     self.www_cfg_dir           = os.path.join(self.www_dir,'cfg')   # SADM Web Site CFG Dir
41     self.www_doc_dir           = os.path.join(self.www_dir,'doc')   # SADM Web Site Doc Dir
42     self.www_arc_dir           = os.path.join(self.www_dir,'arc')   # SADM Web Site Archive Dir
43     self.www_lib_dir           = os.path.join(self.www_dir,'lib')   # SADM Web Site Lib Dir
44     self.www_net_dir           = self.www_dat_dir + '/' + self.hostname + '/net' # Web Data Net.Dir
45     self.www_rch_dir           = self.www_dat_dir + '/' + self.hostname + '/rch' # Web Data RCH Dir
46     self.www_sar_dir           = self.www_dat_dir + '/' + self.hostname + '/sar' # Web Data SAR Dir
47     self.www_dr_dir            = self.www_dat_dir + '/' + self.hostname + '/dr'  # Web Disaster Rec
48     self.www_nmon_dir          = self.www_dat_dir + '/' + self.hostname + '/nmon'# Web NMON Dir.
49     self.www_tmp_dir           = self.www_dat_dir + '/' + self.hostname + '/tmp' # Web tmp Dir.
50     self.www_log_dir           = self.www_dat_dir + '/' + self.hostname + '/log' # Web log Dir.
51
52     # SADM Files Definition
53     self.log_file               = self.log_dir + '/' + self.hostname + '_' + self.inst + '.log'
54     self.rch_file               = self.rch_dir + '/' + self.hostname + '_' + self.inst + '.rch'

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55 self.cfg_file = self.cfg_dir + '/sadmin.cfg' # Configuration Filename
56 self.cfg_hidden = self.cfg_dir + '/.sadmin.cfg' # Hidden Config Filename
57 self.crontab_work = self.www_cfg_dir + '/.crontab.txt' # Work crontab
58 self.crontab_file = '/etc/cron.d/sadmin' # Final crontab
59 self.rel_file = self.cfg_dir + '/.release' # SADMIN Release Version No.
60 self.pid_file = "%s/%s.pid" % (self.tmp_dir, self.inst) # Process ID File
61 self.tmp_file_prefix = self.tmp_dir + '/' + self.hostname + '_' + self.inst # TMP Prefix
62 self.tmp_file1 = "%s_1.%s" % (self.tmp_file_prefix, self.tpid) # Temp1 Filename
63 self.tmp_file2 = "%s_2.%s" % (self.tmp_file_prefix, self.tpid) # Temp2 Filename
64 self.tmp_file3 = "%s_3.%s" % (self.tmp_file_prefix, self.tpid) # Temp3 Filename
65
66 # SADM Configuration file (sadmin.cfg) content loaded from configuration file
67 self.cfg_mail_type = 1 # 0=No 1=Err 2=Success 3=All
68 self.cfg_host_type = "" # [C or S] Client or Server
69 self.cfg_mail_addr = "" # Default is in sadmin.cfg
70 self.cfg_cie_name = "" # Company Name
71 self.cfg_user = "" # sadmin user account
72 self.cfg_group = "" # sadmin group account
73 self.cfg_www_user = "" # sadmin/www user account
74 self.cfg_www_group = "" # sadmin/www group owner
75 self.cfg_server = "" # sadmin FQN Server
76 self.cfg_domain = "" # sadmin Default Domain
77 self.cfg_max_logline = 5000 # Max Nb. Lines in LOG )
78 self.cfg_max_rchline = 100 # Max Nb. Lines in RCH file
79 self.cfg_nmon_keepdays = 60 # Days to keep old *.nmon
80 self.cfg_sar_keepdays = 60 # Days to keep old *.sar
81 self.cfg_rch_keepdays = 60 # Days to keep old *.rch
82 self.cfg_log_keepdays = 60 # Days to keep old *.log
83 self.cfg_dbname = "" # MySQL Database Name
84 self.cfg_dbdir = "" # MySQL Database Dir
85 self.cfg_dbhost = "" # MySQL Database Host
86 self.cfg_dbport = 3306 # MySQL Database Port
87 self.cfg_rw_dbuser = "" # MySQL Read Write User
88 self.cfg_rw_dbpwd = "" # MySQL Read Write Pwd
89 self.cfg_ro_dbuser = "" # MySQL Read Only User
90 self.cfg_ro_dbpwd = "" # MySQL Read Only Pwd
91 self.cfg_ssh_port = 22 # SSH Port used in Farm
92 self.cfg_rrdtool = "" # RRDTool location
93 self.cfg_backup_nfs_server = "" # Backup NFS Server
94 self.cfg_backup_nfs_mount_point = "" # Backup Mount Point
95 self.cfg_backup_nfs_to_keep = 3 # Nb of NFS backup to Keep
96 self.cfg_rear_nfs_server = "" # Rear NFS Server
97 self.cfg_rear_nfs_mount_point = "" # Rear NFS Mount Point
98 self.cfg_rear_backup_to_keep = 3 # Nb of Rear Backup to keep
99 self.cfg_storix_nfs_server = "" # Storix Nfs Server
100 self.cfg_storix_mount_point = "" # Storix NFS Mount Point
101 self.cfg_storix_backup_to_keep = 3 # Nb Storix Backup to Keep
102 self.cfg_mksysb_nfs_server = "" # Aix Mksysb Nfs Server
103 self.cfg_mksysb_mount_point = "" # Aix Mksysb NFS Mount Point
104 self.cfg_mksysb_backup_to_keep = 3 # Aix Mksysb Backup to Keep
105 self.cfg_network1 = "" # Network Subnet 1 to report
106 self.cfg_network2 = "" # Network Subnet 2 to report
107 self.cfg_network3 = "" # Network Subnet 3 to report
108 self.cfg_network4 = "" # Network Subnet 4 to report

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109         self.cfg_network5 = "" # Network Subnet 5 to report
110
111     # O/S Path to various commands used by SADM Tools
112     self.lsb_release = "" # Command lsb_release Path
113     self.which = "" # which Path - Required
114     self.dmidecode = "" # Command dmidecode Path
115     self.bc = "" # Command bc (Do Some Math)
116     self.fdisk = "" # fdisk (Read Disk Capacity)
117     self.facter = "" # facter info collector
118     self.perl = "" # perl Path (for epoch time)
119     self.uname = "" # uname command path
120     self.mail = "" # mail command path
121     self.ssh = "" # ssh command path
122     self.nmon = "" # nmon command path
123     self.lscpu = "" # lscpu command path
124
125
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