

1. Global text constants

1.1. System informations

%AppdataDir%
C:\Dokumente und Einstellungen\
%USERNAME%\Anwendungsdaten

%AllUsersProfileDir%
C:\Dokumente und Einstellungen\All Users

%CommonStartMenuPath%
C:\Dokumente und Einstellungen\
All Users\Startmenü

%CommonAppdataDir%
C:\Dokumente und Einstellungen\
All Users\Anwendungsdaten

%ProfileDir%
C:\Dokumente und Einstellungen

%UserProfileDir% (only with /AllNtUserProfiles)

%ProgramFilesDir% c:\programme

%Systemroot% c:\windows

%System% c:\winnt\system32

%Systemdrive% c:\

1.2. winst-Path and Directories

%ScriptPath%
%ScriptDrive%
%WinstDir%
%Logfile%

1.3. Network informations

%Host% value of environment variable HOST.

%PCName%
value of environment variable PCNAME,
or if absent of COMPUTERNAME.

%Username% Name of actual user.

1.4. Service Data

%HostID% FQDN of the client

%opsiserviceURL%

%opsiserver%

%opsiserviceUser%

%opsiservicePassword%

%installingProduct% productid

2. Primary Sections:

[Initial]
[Aktionen]
[sub<identifier>]
sub <file name>

3. Winst control

LogLevel = <number>
or LogLevel = <string>
LogLevel = "2"

ExitOnError = <boolean value>

Message <string> or Message = <const string>

ShowMessageFile <string>

ShowBitMap [/<number>] [<file name>] [<sub titel>]

comment <string> or comment = <const string>

LogError <string> or LogError = <const string>

LogWarning <string> or LogWarning = <const string>

Pause <string> or Pause = <const string>

Stop <string> or stop = <const string>

4. Variables

4.1. strings

DefVar <variable name>
Set <variable name> = <value>

4.2. stringlists

DefstringList <variable name>

5. Functions

5.1. string functions

GetOS
GetNtVersion
GetMsVersionInfo
GetSystemType
EnvVar (<environment variable>)
ParamStr
GetRegistrystringValue ("[key] var")
GetValueFromInifile (file, section, key, default value)
GetValueFromInifile ("myfile", "mysec", "mykey", "")

IniVar (<key>)
GetHostsName (<hostaddress>)
GetHostsAddr (<hostname>)
ExtractFilePath (<path>)
SubstringBefore (<string1>, <string2>)
RandomStr
getValue(<key string>, <hash string list>)
getLastExitCode
DemandLicenseKey (poolld [, productld [,windowsSoftwareId]])
set \$mykey\$ = DemandLicenseKey ("", "office2007")
FreeLicense (poolld [, productld [,windowsSoftwareId]])
set \$result\$ = FreeLicenseKey ("", "office2007")

5.2. String list functions

createStringList (<string0>, <string1>, ...)
set \$list\$ = createStringList ('a','b')

splitString (<string1>, <string2>)
set list = splitString
("\\server\share\dir", "\\")

splitStringOnWhiteSpace (<string>)

loadTextFile (<file name>)
loadUnicodeTextFile (<file name>)
composeString (<string list>, <Link>)
takeString (<index>, <list>)
retrieveSection (<section name>)
getOutputStreamFromSection (<dos section name>)
getOutputStreamFromSection ('DosBatch_try')

getReturnListFromSection (<xml section name>)
getSubList (Startindex, Endindex, Liste)
reverse (Liste)
for %s% in List do <one statement | sub section>
for %s% in list1 do sub_test_string

GetLocaleInfoMap
getFileInfoMap(\$InterestingFile\$)

5.3. Boolean operators and functions

<string1> = <string2>
<bool1> AND <bool2>
<bool1> OR <bool2>
NOT(<bool3>)

FileExists (<file name>)
 LineExistsIn (line, filename)
 LineBeginning_ExistsIn (stringval, file name)
 XMLAddNamespace(XMLfilename, XMLelementname,
 XMLnamespace)
 XMLRemoveNamespace(XMLfilename, XMLelementname,
 XMLnamespace)
 HasMinimumSpace (drive letter, capacity)
Example:
 if not (HasMinimumSpace ("%SYSTEMDRIVE%",
 "500 MB"))
 LogError "Neede Space of 500 MB not
 available on %SYSTEMDRIVE%"
 isFatalError
 endif

5.4. Misc functions

Killtask <process name>
 requiredWinstVersion <relation operator> <version>
 requiredWinstVersion >= "4.3"

6. Flow control

if - else - endif

Syntax:

```
if <condition>
;statement(s)
[else
;statement(s)]
endif
```

Example:

```
if $OS$ = "Windows_NT"
Set $NTVer$ = GetNTVersion
if ($NTVer$="NT4") or ($NTVer$="Win2k")
sub_install_winnt
else
if ( $NTVersion$ = "WinXP" )
sub_install_winXP
else
stop "not a supported OS-Version"
endif
endif
endif
```

isFatalError
 ExitWindows /ShutdownWanted
 ExitWindows /RebootWanted (depricated, acts like /Reboot)
 ExitWindows /Reboot
 ExitWindows /ImmediateReboot
 ExitWindows /ImmediateLogout

sleepSeconds <Integer>

7. Secondary Sections:

[WinBatch<identifier>] [/LetThemGo]
Function: execute programs via Windows API

[DosBatch<identifier>]
 [DosInAnIcon<identifier>]
Function: Execute section via cmd.exe

[Files<identifier>] [/AllNTUserProfiles or /AllNTUserSendTo]
Function: File Operations

checkTargetPath = <destination directory>
 copy [Options] <source file(s)> <destination directory>
 some options:
 -s rekursiv
 -V version control against targetdir
 -v version control against targetdir, %systemroot% and
 %system%
 -c continue without reboot even if it is needed
 -d date check
 -u update
 -x extract
 -w weak (don't overwrite protected files)
 -n no overwrite
 -r copy read only attribute

delete [Options] <path[/mask]]
 some options: -s rekursiv -f force

Example (don't forget the trailing Backslash):
 delete -sf c:\delete_this_dir\

[Registry<identifier>] [/AllNTUserDats]
Function: edit Registry
 OpenKey <Key>
 openkey [HKLM\Software\opsi.org]

Set <varname> = <registry type>:<value>
 Add <varname> = <registry type>:<value>

Examples for registry types:

```
set "var1" = "my string"
set "var2" = REG_SZ:"my string"
set "var3" = REG_EXPAND_SZ:"%Systemroot%"
set "var4" = REG_DWORD:123 (Decimal)
set "var5" = REG_BINARY:00 01 02 0F 10
set "var6" = REG_MULTI_SZ:"A|BC|de"
```

Supp <varname> <list char> <supplement>
 supp "Path" ; "C:\utils; %JAVABIN%"

GetMultiSZFromFile <file name>

DeleteVar <varname>

DeleteKey <registry key> (don't work with /AllNTUserDats)

[Patches<identifier>] <file name>

Function: edit Ini-files

add [<section name>] <variable1> = <value1>
 set [<section name>]<variable1> = <value1>
 addnew [<section name>]<variable1> = <value1>
 change [<section name>]<variable1> = <value1>
 del [<section name>] <variable1> = <value1>
 del [<section name>] <variable1>
 delsec [<section name>]
 replace <variable1>=<value1> <variable2>=<value2>

[PatchTextFile<identifier>] <file name>

Function: edit text files

Set_Netscape_User_Pref ("<key>", "<value>")
 AddstringListElement_To_Netscape_User_Pref
 FindLine <search string>
 FindLine_StartingWith <search string>
 FindLine_Containing <search string>
 GoToTop
 AdvanceLine [<number of lines>]
 GoToBottom
 DeleteTheLine
 AddLine_ <line> or Add_Line_ <line>
 InsertLine <line> or Insert_Line_ <line>
 AppendLine <line> or Append_Line <line>

Append_File <file name>
Subtract_File <file name>
SaveToFile <file name>
Sorted

[LinkFolder<identifier>]

Function: Startmenu + Desktop Icons

set_basefolder <system folder>
set_subfolder <folder path>
set_link
 name: [link name]
 target: <path and name of the program>
 parameters: [command line arguments]
 working_dir: [working directory]
 icon_file: [path and name of icon file, default=target]
 icon_index: [number of icon in icon file, default=0]
end_link

delete_element <link name>
delete_subfolder <folder path>

The predefined virtual system folders which can be used are
desktop, sendto, startmenu, startup,
programs, desktopdirectory,
common_startmenu, common_programs,
common_startup,common_desktopdirectory

[OpsiServiceCall<identifier>]

Function: opsi-Service access
see manual

[IdapiConfig<identifier>]

Function: BDE configuration
alias:<alias name>
driver:<driver name>
<parameter name>=<parameter value>
see manual

[PatchHosts<identifier>]

Function: hosts-files bearbeiten
setaddr <hostname> <IPaddress>
setname <IPaddress> <hostname>
setalias <hostname> <alias>
setalias <IPadresse> <alias>
delalias <hostname> <alias>
delalias <IPaddress> <alias>
delhost <hostname>
delhost <ipadresse>
setComment <ident> <comment>

[XMLPatch<identifier>]

Function: edit XML files
see manual

[ExecPython<identifier>]

Function: Execute section via python interpreter
see manual

[ExecWith<identifier>] <interpreter> [winst] <param>

Function: Execute section via any interpreter
see manual

[LdapSearch<identifier>]

Function: read from LDAP
see manual