Scripting – Trigger Events, Tokens and Examples

Trigger Events

BeforeConnect / OnConnect / OnQuit / OnDisconnect
BeforeLoggedIn / OnLoggedIn
BeforeChangeDirectory / OnChangeDirectory
BeforeCreateDirectory / OnCreateDirectory
BeforeRemoveDirectory / OnRemoveDirectory
BeforeListDirectory / OnListDirectoryStart / OnListDirectoryEnd
BeforeDownload / OnDownloadStart / OnDownloadEnd
BeforeUpload / OnUploadStart / OnUploadEnd
BeforeRemoveFile / OnRemoveFile
BeforeRename / OnRename
BeforeCopy / OnCopy

Tokens - Date/Time

Token	Description
%YYYY%	Current year, 4 numbers (0000 - 9999)
%MM%	Current month, 2 numbers (01 - 12)
%M%	Current month, (01 - 12)
%DD%	Current day, 2 numbers (01 - 31)
%D%	Current day, (01 - 31)
%hh%	Current hour, 2 numbers (01 - 23)
%h%	Current hour, (01 - 23)
%mm%	Current minute, 2 numbers (01 - 59)
%m%	Current minute, (01 - 59)
%ss%	Current second, 2 numbers (01 - 59)
%s%	Current second, (01 - 59)

Tokens - Server

Token	Description
%CONNECTIONS%	Current number of connections to the server
%USERS_LOGGED_IN%	Current number of logged on users to the server
%SW_NAME%	Current server program name
%SW_VERSION%	Current server program version
%SW_BUILD%	Current server program build

Tokens - User

Token	Description
%IP%	IP of current user
%CONNECTION_TYPE%	What protocol incoming connections use, e.g. FTP
%USERNAME%	Username of current connected user
%GROUPS%	Single-quoted, space separated list of groups for current user
%FTP_DIRECTORY%	FTP directory of current user
%LOCAL_DIRECTORIES%	Single-quoted, space separated list of local directories of current FTP directory
%FTP_FILENAME%	Last file accessed by user (FTP path)
%LOCAL_FILENAME%	Last file accessed by user (local path)
%TRANSFERRED%	Bytes transferred by user during last command
%FILESIZE%	Size of last file accessed by user
%AD_HOMEDIR%	Homedirectory from Active Directory for current user
%AD_COMMENT%	Comment from Active Directory for current user
%AD_SCRIPT%	Logon script from Active Directory for current user
%EXPIRE_TYPE%	Expiration type for current user ('', 'etDate', 'etDownloads', 'etUploads', 'etLogins', 'etDays', 'etWeeks', 'etMonths')
%EXPIRE_VALUE%	Expiration value for current user ('', <ISO date>, <value>)

Tokens - Scripting

Token	Description
%EVENTNAME%	Name of the triggered event
%EXECUTE(cmd)%	Executes an external command and returns the result

Tokens - Statistics

Token	Description
%TOTAL_DOWNLOADED%	Total amount data downloaded from server
%TOTAL_UPLOADED%	Total amount data uploaded to server
%TOP_n_DOWNLOADERS%	Shows a list of the n top downloaders and their amount of data transfered
%TOP_n_UPLOADERS%	Shows a list of the n top uploaders and their amount of data transfered
%TOP_DOWNLOADER_n_USERNAME%	Shows the username of the n:th position wrt downloads
%TOP_DOWNLOADER_n_DOWNLOADED%	Shows the amount of data the n:th position wrt downloads has downloaded
%TOP_UPLOADER_n_USERNAME%	Shows the username of the n:th position wrt uploads
%TOP_UPLOADER_n_UPLOADED%	Shows the amount of data the n:th position wrt uploads has uploaded

Scripting Examples

Only allow login during office hours (Proactive script)

```
@echo off
rem Extract current hour
for /f "tokens=1-2 delims=: " %%a in ('time/t') do (
  set hour=%%a
  set minute=%%b
)
rem Deny access outside office hours
if /I %hour% LSS 8 exit 1
if /I %hour% GEQ 18 exit 1
```

Send SMS when a specific user logs in (Reactive script)

```
@echo off
rem Setup variables
set USER=<sms username>
set PASS=<sms password>
set TEXT=Login%%3A%1
set TO=555123456
set FROM=ProVideLogin
set PARAMS=acc=%USER%^^^&pass=%PASS%^^^&msg=%TEXT%^^^&to=%TO%^^^&from=%FROM%^^^&prio=3
rem Notify on certain users logging in
if /I "%1" == "Administrator" wget --delete-after http://smsgateway/send.php?%PARAMS% >NUL
if /I "%1" == "Backup" wget --delete-after http://smsgateway/send.php?%PARAMS% >NUL
if /I "%1" == "John" wget --delete-after http://smsgateway/send.php?%PARAMS% >NUL
```

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