Migration Guide for Robo-FTP Server Version 3.4.x

The target audience for this document is current users of Robo-FTP Server 3.2.4 and later. Please contact support if you experience problems using these instructions to upgrade an older version of Robo-FTP Server.

Software License Warning for Upgrade Users

When installing a new major release (for example when upgrading from 3.3.x to 3.4.x) the installer program automatically removes the software license activation from your old version and then attempts to contact the Serengeti license server to activate the upgrade version. If automatic activation fails, the software will instead be activated with a 30-day evaluation license. If this happens, please see the Server Help File topic named *Manual Licensing* for instructions on activating your license. Automatic license removal and reactivation does not happen for minor releases, for example upgrading from 3.4.0 to 3.4.1.

Note: The automatic activation process *will* fail if your license is not covered by a current support contract. Please contact sales@serengeti.com if you are unsure of your support status.

Upgrading From 3.3 and earlier

To upgrade a prior version simply run the full installer exe on the system you wish to upgrade. Depending on what dependencies have to be installed it may need to reboot during the install process. After the install is complete press the "Launch" button to launch the Server Console. The Server Console will start the server back up after completing the upgrade by migrating the old settings into the upgraded format and location. Be aware of the following changes in behavior.

- SENDFILE /resume now reports $ERROR_CMD_NOT_SUPPORTED when used with a server that does not support resuming.
- LOG and TRACELOG no longer support mixing /append with /backups and /maxsize.
- %db_COLNAME and %db[COLNAME] variables are now unset as soon as dbgetresults returns an error of any kind.
- HTTP no longer supports some apache listing formats. Instead it uses the DAV verb PROPFIND if available or else uses GET. If you need timestamps and sizes without DAV enabled use the FTPLOGON /precisetime option.
- [FTP]DIFF and [FTP]SNAPSHOT now only reset differences for existing results matching their path argument.
- [FTP]GETFILE no longer allow the /newest or /oldest option. These options did not work correctly before. To use them use GETNEXTFILE or GETSITEFILE.
- The logon event must now return $ERROR_SUCCESS or the logon will be denied. In this way the logon event can be used to limit logons in additional ways.
- Continue reading the next section if you are upgrading from version 3.2.8 or earlier.

Notes for users upgrading from version 3.2.8 *and earlier*:

Changes Impacting User Accounts

All user accounts that do not use Windows Authentication must have a Home Folder that is either the Server Root or a directory under the Server Root. Existing user login accounts created in previous versions of Robo-FTP Server will continue to function but you will not be able to edit them or change their passwords without first selecting a new Home Folder under the Server Root.

Hint: If all your user accounts have Home Folders in a directory outside the Server Root then consider changing the

Server Root to that other location. It may be easier than moving the Home Folders of all user accounts.

Changes Impacting User Accounts (continued)

Hint: If a user's initial working folder needs to be a folder that is outside the Server Root, select a Home Folder under the Server Root and then create a user-specific **Virtual Folder** on the root level. See the Help file topic on **Virtual Folders** for details.

Changes Impacting Server Event Scripting

Backward compatibility with previous versions is preserved whenever possible. However, there are cases where it is necessary to break with this compatibility in order to provide enhanced performance and new features. This section describes changes to the event script parser in this new version. You may need to modify existing server event scripts if they rely on behavior that was changed in in this version of Robo-FTP Server.

- The **%event_kind** variable is populated for every type of event and contains the name of the event that triggered the script. This makes it possible to design a single Server Event Script to handle more than one type of event
- The logon event must now return $ERROR_SUCCESS or the logon will be denied. In this way the logon event can be used to limit logons in additional ways.
- Continue reading the next section if you are upgrading from version 3.2.5 or earlier.

Notes for users upgrading from version 3.2.5 *and earlier*:

These are changes you need to be aware of if you are upgrading from any version of 3.2.5 or earlier

- Variables initially declared as input arguments of user-defined functions now go out of scope when the function returns.

- Many types of external files used by the event script processing engine which were previously written to the installation folder by default are now written to a new default subfolder named **ProgramData** which itself contains subfolders named after the types of files they contain. Some of the new subfolders are: Cron, Debug, Known SSH Sites, Logs, PGP Keys, Scripts, Snapshots, SQLite, SSH Keys, SSL Certificates and Trusted Certificates.

- New search logic applies when the following commands are called without a fully qualified file name: CALL, CHAIN, CRON, DBUSE, DIFF, GETDIFF, FTPDIFF, FTPGETDIFF, LOG, SESSIONLOG and TRACELOG. In previous versions, these commands searched the current working folder and/or the Robo-FTP installation folder. Please see the Robo-FTP 3.8 client Help file topic entitled "**Alternate Default File Paths for Select Commands**" for specifics.

- When commands that either use an existing file or create a new file are called without a fully qualified file name and there is no existing file, the new file is created in the appropriate **ProgramData** subfolder. This applies to these commands: CRON, DBUSE, DIFF, FTPDIFF, LOG, SESSIONLOG, and TRACELOG.

- The /skip option of the SYNC command now affects any file that is not the same on both the local and remote system. In previous versions, this command only affected orphan files.

- The PGPENCRYPT command is now able to use multiple public keys when encrypt a single file. In previous versions of Robo-FTP Server it might have been necessary to use a combination of the /user, /comment and /email options to uniquely identify a single key if there were other similar keys in the key ring file. When executed in version 3.2.5, scripts using this old syntax may encrypt a file with multiple keys. To avoid this, modify the script to pass the entire key identification string to the /user option. This string is shown in the **Key Name** column on the *Manage Keys* form which can be opened from the **Manage PGP** menu in the Configurator. The string format is:

```
user name (comment) <email address>
```
- Continue reading the next section if you are upgrading from version 3.2.4 or earlier.

Notes for users upgrading from version 3.2.4 *and earlier*:

In addition to the 3.2.5 changes listed above, the following changes also apply if you are upgrading from any version of 3.2.4 **or earlier**:

- The output format for the FTPLIST provides more detail than the previous format.
- The FTPLIST command no longer creates a 0-byte file when the remote directory is empty. Instead it returns an error that you can catch with the IFERROR command.
- The SSL certificate trust store is stricter for improved security. This change will require you to re-trust server SSL certificates using the */trust=all* option on the FTPLOGON command. This change applies to FTPS and HTTPS connections.
- ALTFTP (Alternate Standard FTP) has been promoted to being the main FTP implementation. This is an automatic change requiring no action on the part of the user.
- FTP transfers now default to Passive Mode. If necessary, you can disable Passive Mode in your script by adding the */pasv=false* option to your FTPLOGON command. You may also change the default behavior for a specific managed site by editing that site's properties in the Configurator.
- FTPS connections now default to encrypting both the data and control channel. This was changed to prevent people unintentionally sending data across the internet in plain text. If the remote site you are using doesn't support an encrypted data channel you will need to modify your script so that the FTOPLOGON line specifies the */servertype=FTPSCONTROL* option.
- DISCONNECT now only hangs up a dial-Up connection previously established using the DIALNET command. The DISCONNECT script command no longer terminates an active FTP session. The FTPLOGOFF script command should be used to terminate FTP sessions.
- The script commands IFSTRCMP and IFSTRCMPI now function as described in the Help file. The behavior of these two commands was mistakenly swapped in previous versions of Robo-FTP Server. This change only impacts users who intentionally modified their scripts to account for the mistake in previous versions.
- The Windows 2000 operating system is no longer supported by Robo-FTP Server.