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TurboGold® Enterprise Edition

Installing on IBM iSeries (AS400) Servers

Data Movement

Data Storage

Data Control

Web Acceleration

STAMPEDE[®]
TECHNOLOGIES, INC.

Stampede – software that moves[®]

Using this document

This guide was prepared to assist you in the installation of TurboGold Enterprise Edition software. It is designed expressly for Lotus Domino™ AS/400 servers running OS/400.

Document organization

The information in this manual is organized as follows:

Chapter 1—Introduction

Provides system requirements and information needed prior to installing.

Chapter 2—Installing TurboGold on iSeries Servers

Provides instructions on installing TurboGold.

Chapter 3—What's next

What to do after installing.

Index

Contents

1. Introduction	4
System requirements	4
Background	4
2. Installing TurboGold on iSeries Servers	5
Installation procedure	5
iSeries software update procedure	12
iSeries uninstall procedure	13
3. What's next	15
After installing.....	15
Index	16

1. Introduction

This document describes the installation procedure for installing the TurboGold Verifier (Client-to-Server) and the TurboGold Server (Server-to-Server) on Domino AS/400 servers running OS/400.

System requirements

- ◆ OS/400 V4R4M0 or greater
- ◆ Domino version 4.65 and above

Background

TurboGold runs as an add-in task on the Domino server.

2. Installing TurboGold on iSeries Servers

Installation procedure

Follow the steps in this section to install TurboGold under OS/400:



Steps 1-4 must be done for each machine, steps 5-7 must be repeated for each Domino partition on a machine.

1. Create a save file.
 - a. If a save file already exists, an error will occur. You need to delete it. To delete the file, from an AS/400 command line, enter the command:

Command: DLTF FILE(*library/file*)
 where: *library* is the library name and
 file is the save file name

Example: DLTF FILE(QGPL/TGOLD)

- b. Create a new save file. Enter the command:

Command: CRTSAVF FILE(*library/file*)

 where: *library* is any library name and
 file is the save file name (limit 10 characters)

Example: CRTSAVF FILE(QGPL/TGOLD)
 This command creates a save file TGOLD
 in library QGPL

2. Move the installation image to the target AS/400 machine from a PC.

a. On the PC:

- cd to the AS400 directory that contains **tgold.sav** on the cd.
- ftp [*your AS/400 name or IP address*]
- enter your *username* and *password* when prompted
- enter **binary** to set the file transfer mode to binary
- enter **put tgold.sav library/file**
where *library* and *file* match the save file library and name you created in step 1b.
Example: put tgold.sav qgpl/tgold
- enter **quit**

3. Restore the TurboGold licensed program.

From the AS/400 command line, enter the command:

```
RSTLICPGM LICPGM(5Z03STG) DEV(*SAVF) SAVF(library/file)
```

The library and filename must match the save file name created in step 1b.

Example: RSTLICPGM LICPGM(5Z03STG) DEV(*SAVF) SAVF(QGPL/TGOLD)

4. Create symbolic links to allow the TurboGold add-in task to run.

Enter the following commands on the AS/400 command line:

```
ADDLNK OBJ('/qsys.lib/qturbogold.lib/turbogold.pgm')
NEWLNK('/qibm/userdata/lotus/notes/turbogold.pgm')
ADDLNK OBJ('/qsys.lib/qturbogold.lib/turboedge.pgm')
NEWLNK('/qibm/userdata/lotus/notes/turboedge.pgm')
ADDLNK OBJ('/qsys.lib/qturbogold.lib/tgzip.pgm')
NEWLNK('/qibm/userdata/lotus/notes/tgzip.pgm')
ADDLNK OBJ('/qsys.lib/qturbogold.lib/libtgnotes.srvpgm')
NEWLNK('/qibm/userdata/lotus/notes/libtgnotes.srvpgm')
ADDLNK OBJ('/qsys.lib/qturbogold.lib/libtghook.srvpgm')
NEWLNK('/qibm/userdata/lotus/notes/libtghook.srvpgm')
```



If Lotus Notes is not installed in default location of *qibm/userdata*, substitute the correct path.



TurboEdge is the program name associated with the Web Accelerator.



Step 4.5 and its sub-steps are optional, and applicable if you want to install SSL support for TurboGold Web Accelerator. If you do not wish to install this option, proceed to step 5.

4.5 (Optional) Install SSL Support for TurboGold Web Accelerator

4.5.1 Create another save file for the TurboGold SSL components.

- a. If a save file already exists, an error will occur. You need to delete it. To delete the file, from an AS/400 command line, enter the command:

Command: DLTF FILE(*library/file*)
 where: *library* is the library name and
 file is the save file name

Example: DLTF FILE(QGPL/TGSSL)

- b. Create a new save file. Enter the command:

Command: CRTSAVF FILE(*library/file*)
 where: *library* is any library name and
 file is the save file name (limit 10 characters)

Example: CRTSAVF FILE(QGPL/TGSSL)

This command creates a save file TGSSL in library QGPL

4.5.2 Move the installation image to the target AS/400 machine from a PC.

- a. On the PC:

- cd to the AS400 directory that contains `tgssl.savf` on the CD. - ftp
 [*your AS/400 name or IP address*]
- enter your *username* and *password* when prompted
- enter **binary** to set the file transfer mode to binary
- enter **put tgssl. savf library/file**

where *library* and *file* match the save file library and name you created in step 1b.

Example: put **tgssl.sav** fqqpl/**tgssl**

- enter **quit**

4.5.3 Restore the TurboGold SSL Components.

From the AS/400 command line, enter the command:

```
RSTOBJ OBJ(*ALL) SAVLIB(QTURBOGOLD) DEV(*SAVF) SAVF(library/file)
```

The library and filename must match the save file name created in step 1b.

Example:

```
RSTOBJ OBJ(*ALL) SAVLIB(QTURBOGOLD) DEV(*SAVF) SAVF(QGPL/TGSSL)
```

5. Add TurboGold database templates to the target server's data directory.

From the AS/400 command line enter the following commands, taking care to substitute the correct path to your notes data directory in place of the example /notes/data.

You could also copy the templates to your server's data directory directly from the PC.

```
CPY OBJ('/qsys.lib/qturbogold.lib/tgconfig.file/ntf.mbr')
TOOBJ('/notes/data/tgconfig.ntf')
```

```
CPY OBJ('/qsys.lib/qturbogold.lib/tgoldver.file/ntf.mbr')
TOOBJ('/notes/data/tgoldver.ntf')
```

```
CPY OBJ('/qsys.lib/qturbogold.lib/tgstat.file/ntf.mbr')
TOOBJ('/notes/data/tgstat.ntf')
```

```
CPY OBJ('/qsys.lib/qturbogold.lib/tginotes.file/ntf.mbr')
TOOBJ('/notes/data/tginotes.ntf')
```

6. Also set the owner of the templates to QNOTES:

```
CHGOWN OBJ('/notes/data/tgconfig.ntf') NEWOWN(QNOTES)
```

```
CHGOWN OBJ('/notes/data/tgoldver.ntf') NEWOWN(QNOTES)
```

```
CHGOWN OBJ('/notes/data/tgstat.ntf') NEWOWN(QNOTES)
```

```
CHGOWN OBJ('/notes/data/tginotes.ntf') NEWOWN(QNOTES)
```

7. Edit notes.ini on the target server:

- a. **CLIENT-TO-SERVER** For Client-to-Server, add:

TG.SerialNumber=xxxx-xxxxxx-xxx
where *xxxx-xxxxxx-xxx* is the Stampede serial number.

- b. **SERVER-TO-SERVER** For Server-to-Server, add:

TG.SS_SerialNumber=xxxx-xxxxxx-xxx
Extmgr_addins=tgnotes
where *xxxx-xxxxxx-xxx* is the Stampede serial number.



If there is already an entry for Extmgr_addins, insert "tgnotes" in the front of the list, for example: **Extmgr_addins=tgnotes,aaaaa,bbbb**

- c. If you want TurboGold to run when the Domino server is started, add TurboGold to the task list:

ServerTasks=turbogold,replica,router....

Add TurboGold parameters which will be transferred into TGCONFIG.NSF the first time TurboGold is started.

- d. If you want TurboGold Web Accelerator to run when the Domino server is started, add:

TG.HtmlSv.SerialNumber=xxxx-xxxxxx-xxx
where *xxxx-xxxxxx-xxx* is the Stampede serial number.

and also add turboedge to the task list:

ServerTasks=turbogold,turboedge,replica,router....



Turboedge is the program name associated with the Web Accelerator.

- e. If you want to enable the TurboGold Enterprise Edition Multicator feature add:

NSF_HOOKS=tghook



if there is already an entry for Nsf_Hooks, insert "tghook" at the end of the list, for example: **NSF_HOOKS=QNNDIHK,tghook**

8. Bring up TurboGold.

- Bring up the Domino server

or

- Enter **Load turbogold** from the Domino console

iSeries software update procedure

You can update the TurboGold software by performing the installation procedure over top of an existing installation.

If you perform a RSTLICPGM over top of an existing installation you must follow the same procedures described in the previous section on *Installation Procedure* with the exception that step 6 may be skipped because the notes.ini will not have to be re-edited.

You can also choose to deploy template changes by using the Lotus Notes replication process.

iSeries uninstall procedure

CLIENT-TO-SERVER If TurboGold Client-to-Server is installed then you should shut down the Lotus Domino server in order to delete the TurboGold databases and templates.

SERVER-TO-SERVER If TurboGold Server-to-Server is installed then you must shut down the Lotus Domino server by entering **quit** at the Domino console.

If you use a Notes client to delete the databases and templates then it is sufficient to stop TurboGold (if it is running) by entering **tell turbogold quit** at the Domino console.

1. Edit the notes.ini file of the Domino server and remove **turbogold** from the ServerTasks line.

SERVER-TO-SERVER If TurboGold Server-to-Server is installed then also remove **tgnotes** from the ExtMgr_Addins line.

2. Delete the following files from your Domino data directory:

tgoc.log	tgsvhap.log	tgServer.log
thtmlsv.log	tgsvweb.log	
tgclhap.log	(Server-to-Server only)	
tgClient.log	(Server-to-Server only)	
tgconfig.nsf	tgconfig.ntf	
tgoldstat.nsf	tgstat.ntf	
tgnotes.nsf	tgnotes.ntf	
tgoldver.nsf	tgoldver.ntf	
tgocache.dat	tgwcache.dat	



By default the *.log files and tgocache.dat are stored in the Domino data directory but may be located elsewhere.



There are various methods for deleting files on AS400. One easy way is to execute "QSH" and then execute the following:

```
cd /notes/data
rm tg*.log
rm tgconfig.*
rm tgoldver.*
rm tg*.dat
```

3. Remove the following links:

```
RMVLNK OBJLNK('/qibm/userdata/lotus/notes/libtgnotes.srvpgm')
```

```
RMVLNK OBJLNK('/qibm/userdata/lotus/notes/turbogold.pgm')
```

```
RMVLNK OBJLNK('/qibm/userdata/lotus/notes/turboedge.pgm')
```

4. Delete the license program by executing:

```
DLTLICPGM LICPGM(5Z03STG) RLS(*ALL)
```

5. Restart the Lotus Domino server.

3. What's next

After installing

Once you have finished installing TurboGold Enterprise Edition on your iSeries server, you are ready to do one of the following:

- ◆ Set operating parameters (see the Server Administration Guide for *TurboGold Client-to-Server* or *TurboGold Server-to-Server*)
- ◆ Install on other servers (see the installation guide for your server as listed below):
 - *Installing TurboGold Client-to-Server on Microsoft Windows Servers*
 - *Installing TurboGold Server-to-Server on Microsoft Windows Servers*
 - *Installing on pSeries (AIX) Servers*
 - *Installing on zSeries (S390) Servers*
- ◆ Install on client PCs (see *Installing on Microsoft Windows Clients*)
- ◆ Install TurboGold Manager (see *Manager Administration Guide*)

Index

A

ADDLNK commands 7
after installing 15

C

CPY OBJ commands 9
CRTSAVF command 5

D

database templates 9
deleting license program 14
deploying template changes
 12
DLTF command 5
DLTLICPGM 14

E

Extmgr_addins 10

F

files
 deleting for uninstall 13
 notes.ini 10, 13
 save file 5
 tgold.sav 6
 transfer mode 6

I

installation image 6
installation procedure 5

L

library 5
libtghook.srvpgm 7
libtgnotes.srvpgm 7
links
 creating 7
 removing 14
loading TurboGold 11
Lotus Domino
 version 4

M

moving installation image 6
Multicator 10

N

notes.ini 10, 13
notes/data directory 9

O

OS/400 version 4
owner, setting 9

P

path 7

Q

qibm/userdata 7

R

removing links 14
replication process, Lotus
 Notes 12
restoring TurboGold program 6
RSTLICPGM 6, 12

S

- save file
 - creating 5
 - deleting 5
- serial number 10
- ServerTasks 10
- SSL support, installing 8
- symbolic links 7

T

- templates, database 9
- TGCONFIG.NSF 10
- tgold.sav file 6
- tgzip.pgm 7
- transfer mode 6
- turboedge.pgm 7
- turbogold.pgm 7

U

- uninstall procedure 13
- update procedure 12

W

- Web Accelerator 10