



TurboGold Enterprise Edition

- o Notes Acceleration: TurboStreaming of all replication, mail routing, and on-line document retrievals including attachments. TurboStreaming represents a new highly optimized interface to TCP in order to overcome window-size limitations that inhibit full utilization of network bandwidth when moving large streams of data. Our tests show an improvement of between 25 and 800 per cent depending on the link speed and latencies for objects that have already been compressed.
- o Support for R7 on all platforms.
- o Enhanced configuration database to allow capability to adjust the cache size as needed. The maximum cache size is increased from 1GB to 3 GB.
- o Enhanced the configuration database's dynamic screen with a new field to allow setting of "verifier connection retry interval" in the timeout section.
- o AIX Server-to-Server: Added logic to guard against Domino bug if there are more than 30 attachments in a document being replicated.
- o Improved replication push time-out using sliding loop count based on number of notes replicated
- o Enhanced Single multicating hub auto subscribe functionality
- o TurboGold statistics database is now created at startup - not upon first replication event
- o Improved strategy for reading TurboGold configuration database. Now TurboGold will only read the database if the profile document has updated, not if any document got changed, which would happens when the TurboGold configuration database was replicated to many servers.

TurboGold AutoZip Server Utility

- o Enhancement to maintain read/unread marks after the Server Utility zips attachments
- o Incorporated Server Utility for AIX and AS400
- o Provided support for Kanji attachment naming conventions
- o Added options:
 - Option that will allow conversion of attachments, including Huffman attachments into LZ1 format.
 - Option that will only zip documents in a specified folder
 - Option to run the Domino compact routine to reclaim storage space after the Server Utility runs.
 - Expanded parameters to base the aging of attachments eligible for zipping.
 - Option to lower the Utility's Process Priority in relationship to Domino. (Windows only)

- o Events are now recorded into the TurboGold Statistics Database
- o Enhanced performance when doing sub-directories
- o Enhancement to handle corrupted hotspots.

KNOWN PROBLEMS

• Client/Server

- o If port encryption is enabled and "Share password with add-in tasks" is not checked, then the user will be prompted for a password. This is necessary because TurboGold must access the private key of the user.id file.
- o If user chooses to encrypt a database locally and "Share password with add-in tasks" is not checked, then the user will be prompted for a password. This is necessary because TurboGold must access the private key of the user.id file.
- o AIX: Starting with R5.09, you must run the following commands after installing the ".bff" file with smit:
 - ⌘③ "cd /opt/TurboGold"
 - ⌘③ "/opt/lotus/notes/latest/ibmpow/dataseg -s TurboGold"
 - ⌘③ Otherwise, the Domino server will report that there is insufficient shared memory to run TurboGold
- o TurboGold EE client does not support advanced replication options of R6.
- o TurboGold Web Accelerator does not support multi-get functionality over SSL.

• Server-to-Server

- o If Notes is started as NT service then TG-SS will not accelerate replications initiated from Notes client
- o There is an incompatibility between the IWAPIMON function of IBM/Candle's Intellivatch and TurboGold which causes the replicator to crash when a replication is initiated at a Domino server. Candle has implemented a fix for this in current releases.
- o For AIX, EXTSHM=ON should be set as an environment variable, otherwise the Domino server may run out of shared memory regions, without EXTSHM=ON there is a limit of 11 regions. TG-SS uses a shared memory region for each concurrent replicator.