

Athena Progress – December 8, 2015 – 11:30am

Minutes:

- 1) Send proxy information back to LP – YES – new response/parser update
- 2) Randomize URL – YES – create 5 templates with random information (this happens always)
- 3) Beacon & deadman delay/timeout – what if someone turns the machine off for 1 month? (make sure we tried a beacon recently - DONE)
- 4) Priority 0-highest, 255-lowest? - DONE
- 5) Support foreground/background task (syn/async – exec) - DONE
- 6) Return 301/302 instead of 401 for beacon (no data) – PLEASE DO research on 301/302 issues
 - Try using cookies instead – base64 encode - DONE
 - Add accept language/ accept type / host headers - DONE
- 7) Allow date change in off-line configuration – should be set to original file date/time – DONE(win)
- 8) What happens if a 1GB file fails halfway through processing – does state file data continue where it left off. If YES, how does the parser support chunks of files? NO WE DON'T DO THIS
- 9) Use parser_input directory as the default data to read into the parser - DONE
- 10) Athena goes to unit testing January 5th
- 11) January & February will be test fixes and Athena Bravo(LLVM with bzip2)
 - a. Installer – recompile with LLVM / change import list
 - b. Host – recompile with LLVM / change import list

Achievements:

- 1) XXXXX is tasking DART
- 2) State files are being left behind – FIXED critical section and remote file encoding
- 3) Changed name - KBPSTHROUGHPUT -> MAX_CHUNK_SIZE
- 4) Changed name - FILE_PROCESSING_PATH -> STATE_FILE_PATH (delete existing files if this is set)
- 5) Fixed parser mark (prevent reparsing of processed files) – included new parser_input/parser_output directories
- 6) Fixed loader – validate platform x86/x64 to prevent exception during memory load
- 7) Added SAFETY instruction – noop (persistent SET SAFETY command will not change target state)

Test Cases:

- 1) Install / reboot – validate installation and check status after reboot (svchost)
- 2) Uninstall – validate cleanup
- 3) Get – retrieve files of different sizes
- 4) Put – write files of different sizes
- 5) Memload – load dlls
- 6) Memunload
- 7) Killfile
- 8) Offline win and lin (can this be automated?)
- 9) SET
- 10) Multiple commands in a batch

- 11) Reinstall on the same box - if it isn't running it should just overwrite
(check datafile)
- 12) Re-run the service - check if we can open the datafile
- 13) RamOnly - rundll should work fine for us
- 14) Validate that all files are removed from system (including state files)
- 15) Forensics - secure delete of .dll, data file and state file

- Ssltransport.cpp - sending multiple gets on 401 (no data) even on success
- Command.cpp - critical section required around g_hManagerThread - line 69
- Manager.cpp line 767 - you will miss the first beacon - Set g_hStopEvent TRUE initial state