Athena Progress – November 17, 2015 – 11:30am

Minutes:

1) Reviewed windows Offline installer
2) Discussed prototype demo
3) Added additional test cases

Achievements:

1) Evaluating prototype demo (still having minor issues)
2) New Tests for better debugging integration (see next page)
    a. TestEngineCommand w/out WEB "ant –f build_web.xml"
    b. TestRamOnly w/out WEB
3) offline linux installer prototype
4) fixes to engine and console (see next page)

Tasks under development:

1) Testing prototype – Denley
2) Dart configuration – XXXXX
3) Dart Testing – XXXXX (don't forget Squid)

Issues:

1) Demo – schedule for next week
2) fileprocessingpath – what should we do on a SET change(delete,move,not allow if active)?
3) hibernationtime – does it make sense to SET change this if we are currently beaconing
4) parser/set – must output ST type – so we know which one actually processed
5) command – default URL_PATH "" should be / and not failure

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 command 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)

TestCommandEngine
This is a project that will load the engine and command .dlls in memory for testing. The ant script will automate processing of preset commands. This should be an easier way to debug engine/command interactions. All comms are done via local files. Uninstall is simply setevent.

HOW TO USE TestCommandEngine
build target\engine
build target\command
ant testscriptx86
use visual studio to debug TestCommandEngine
Working Directory: D:\...\TestCommandEngine\Win32\Debug

ISSUES

testcommandengine
1) add parsing to the script (this now works)

testcommand
1) only tests unpack and exec
2) fails to close the package so new Athena_Package_Open fail
3) unpack fails (buffersize < minheadersize)
4) needs to support x86 & x64

command
1) manager.cpp line 447 - not cleaning up pResponse or respparam on failure from CreateThread
2) manifest is still being included
3) added TestCommand build to sln and build.xml
4) must have __try/__except in every threadmain
5) not properly tracking send response thread - ThreadSendResponse you have an active thread count but no list of thread to kill
6) are all the state files removed during uninstall?

parser:
**parser/parser_util/response.py line 508 - decode failed - "%08X" % number

tasker:
1) set command not working
2) what are the pickle files used to process? cmd_generate.py lin 191
3) return an error if the command is not built
4) tasker need to include the SET type in the packet so executor.cpp line 828 can call the correct varblock function
Athena_Config_Set_Buffer or Athena_Config_Set_Value

Engine:
State file not maintaining state after shutdown – delete issue