



This note is to serve people already familiar with ITRS GENEOS and its NetProbe capability. However, if one is not familiar with the environment – then it can serve as a guide to how to configure the AMPS ITRS Plug-In in 3 simple steps.

The plug-in consists of an .XML File that configures the ITRS NETPROBE sampler. This sampler polls AMPS' HTTP REST based console for updates.

The configuration just requires:

- AMPS' Server location (IP Address/URL)
- Port #
- location of the AMPS configuration file (argument for running AMPServer located in the /bin directory). The areas requiring customization are highlighted in yellow.

For more information on what can be monitored – please review the AMPS Monitoring Reference Guide :

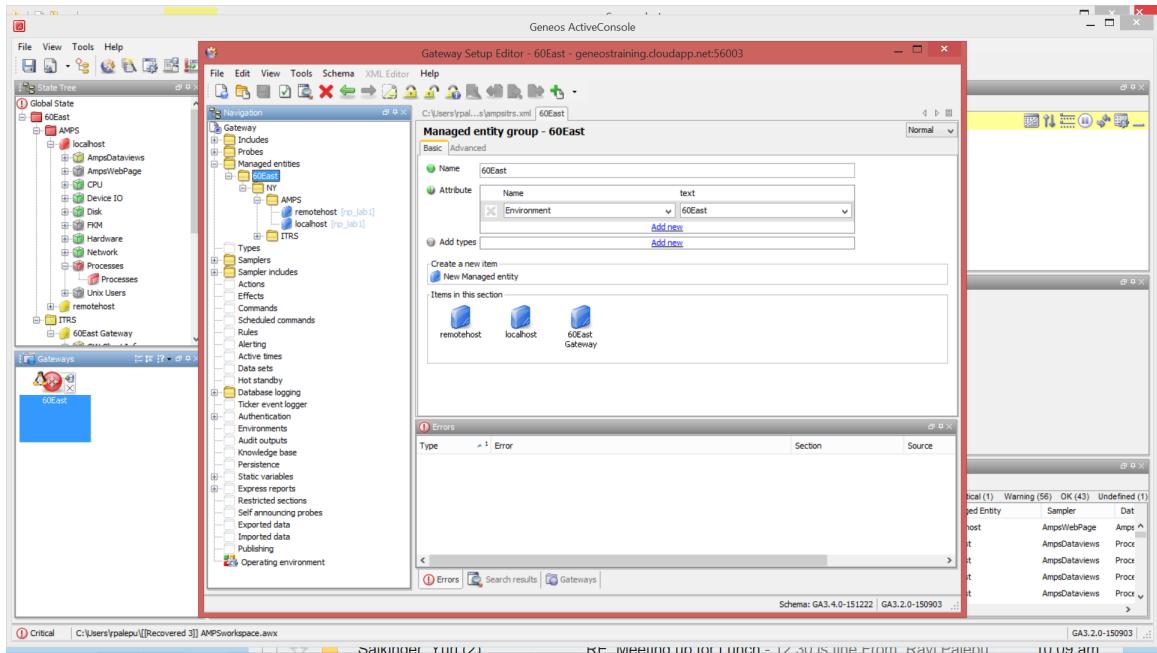
<http://devnull.crankuptheamps.com/documentation/5.0.0.0/admin/monitoring/AMPS-Monitoring-Reference.pdf>

The monitoring information is also persisted to a SQLite3 database. For more information, please review :

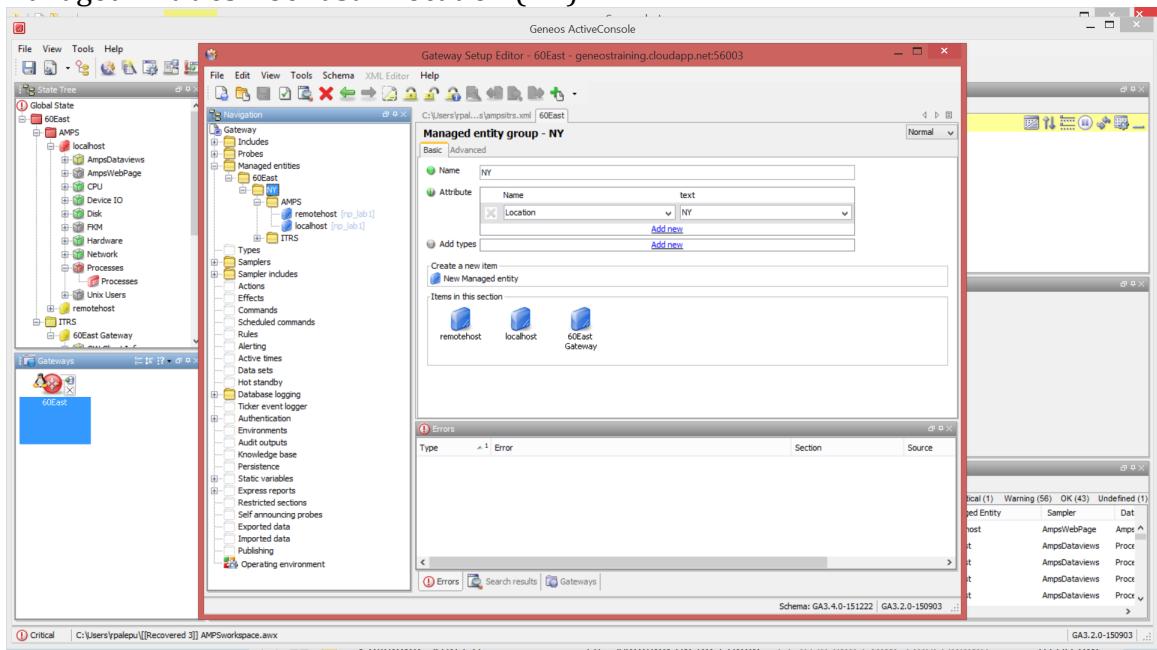
<http://devnull.crankuptheamps.com/documentation/5.0.0.0/guides/sqlite3/AMPS-SQLite-Reference.pdf>

Here are some screen shots:

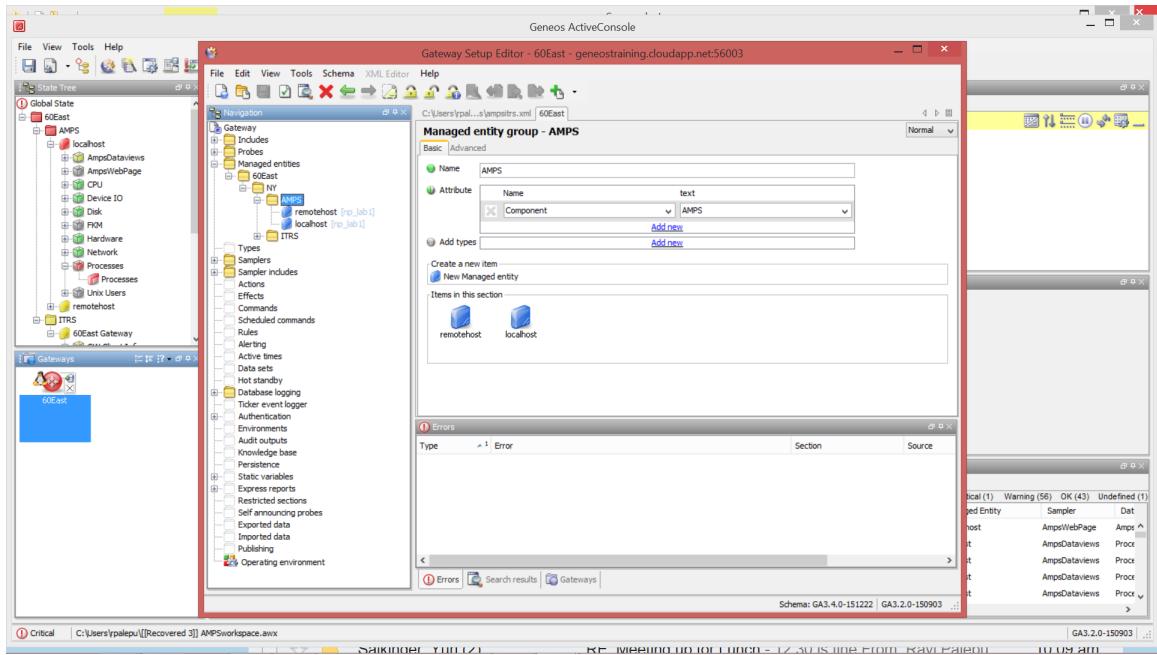
Configure Gateway->Managed Entities->60East



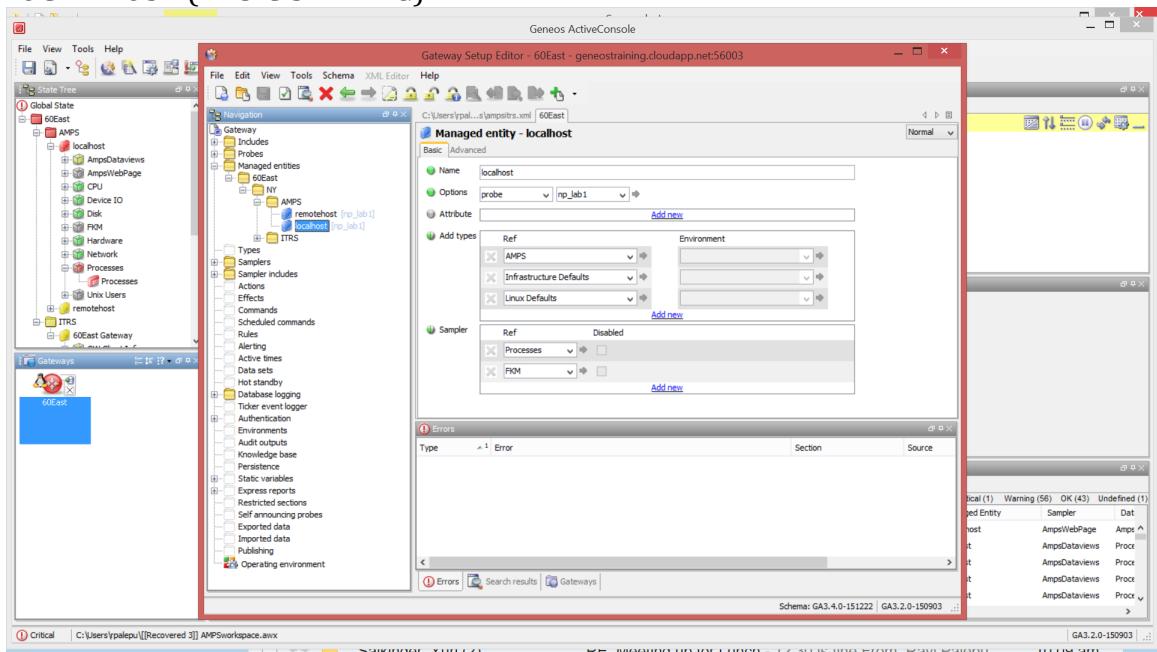
Managed Entities->60East->Location (NY)



Managed Entities->60East->Location (NY)->AMPS

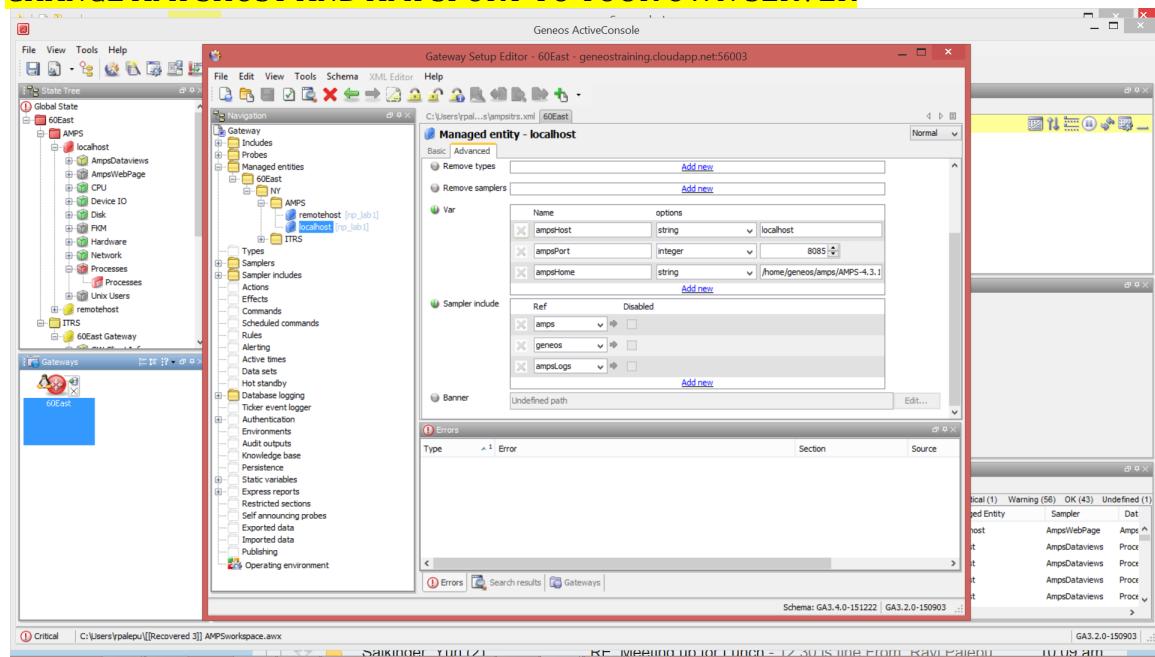


LOCAL HOST (BASIC SETTING)

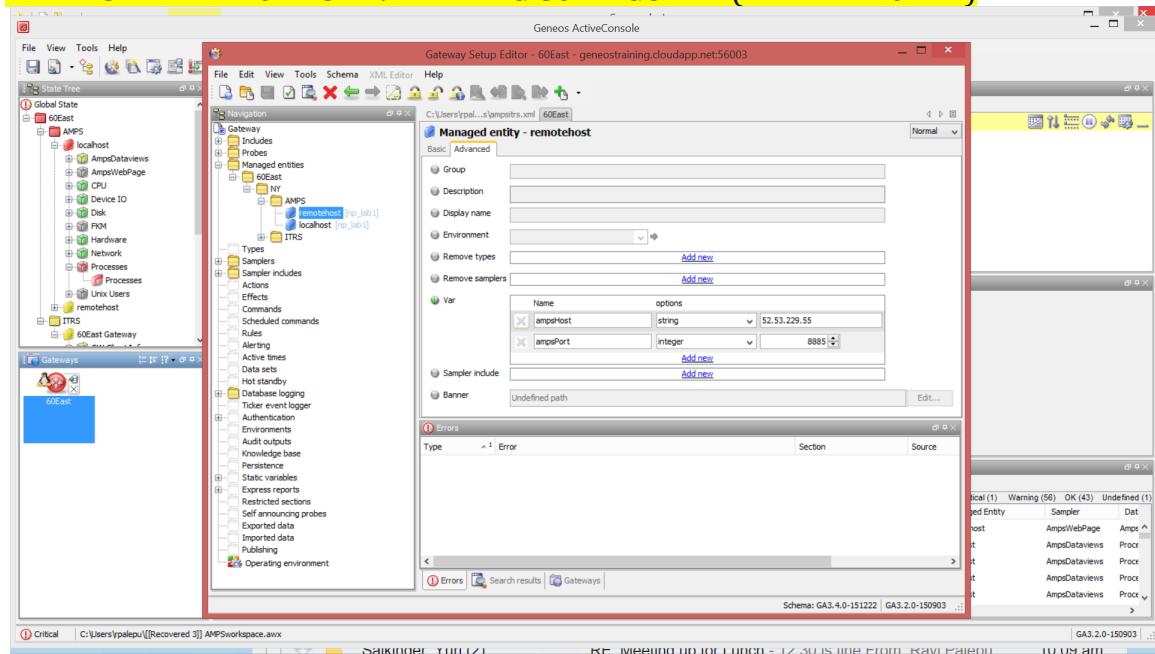


ADVANCED SETTINGS ON LOCAL HOST

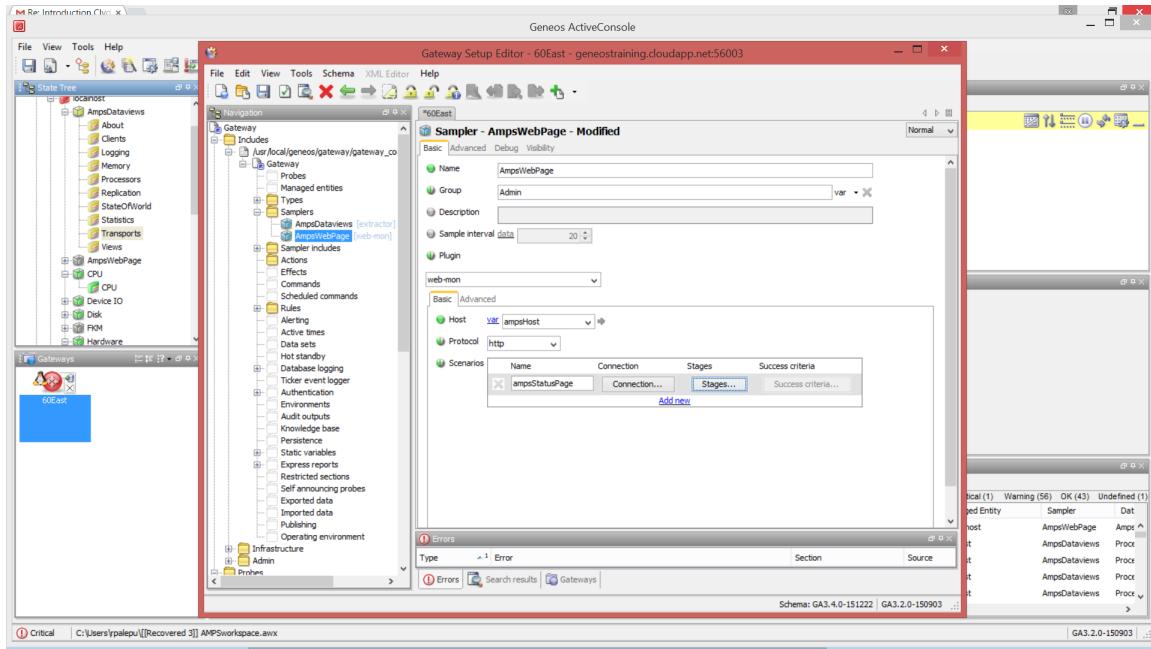
CHANGE AMPHOST AND AMPSPORT TO YOUR OWN SERVER



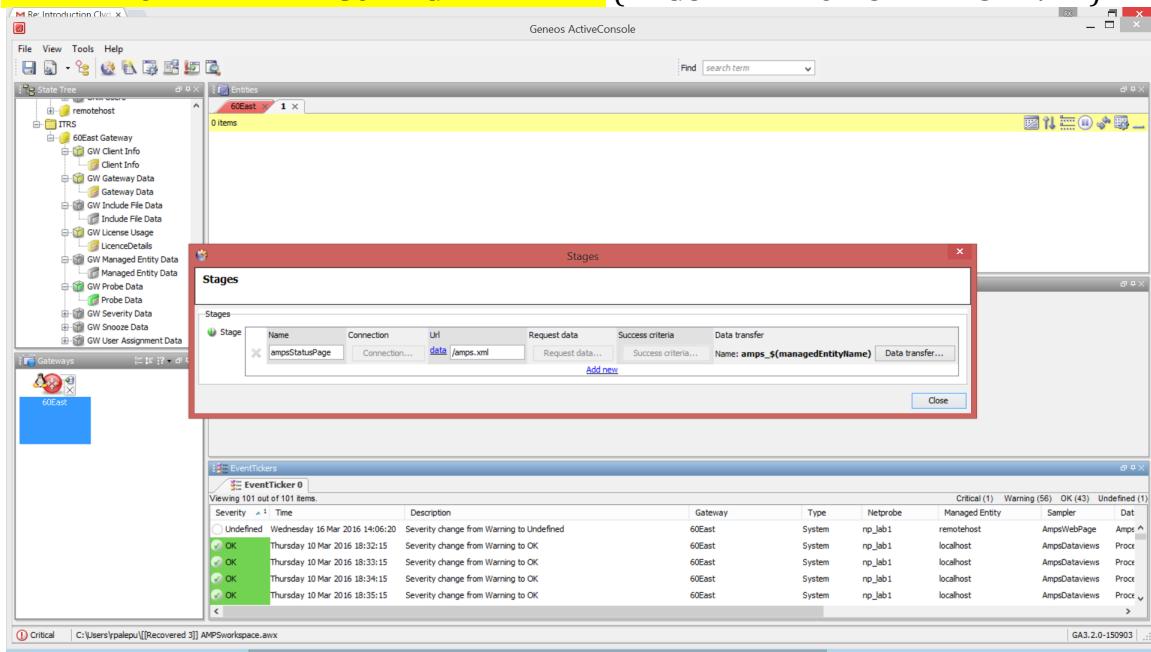
HERE IS THE REMOTE SERVER BEING CONFIGURED (EXAMPLE ONLY)



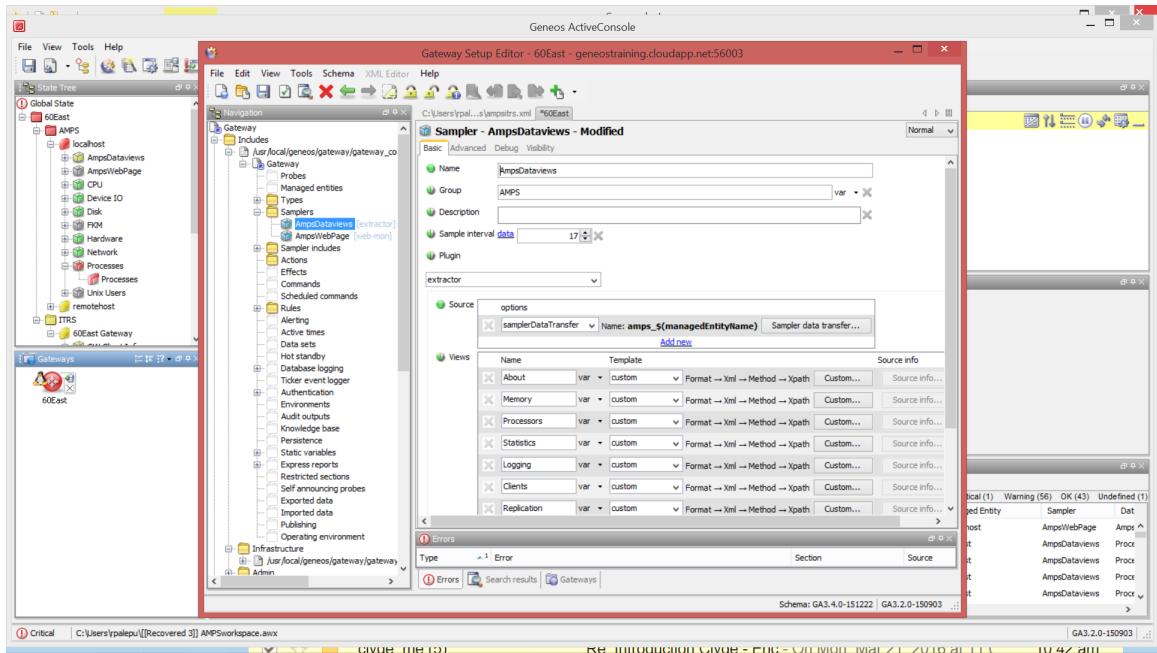
GATEWAY->AMPLER->AMPSWEBPAGE (TO GET TO ADD CONFIG FILE NAME)



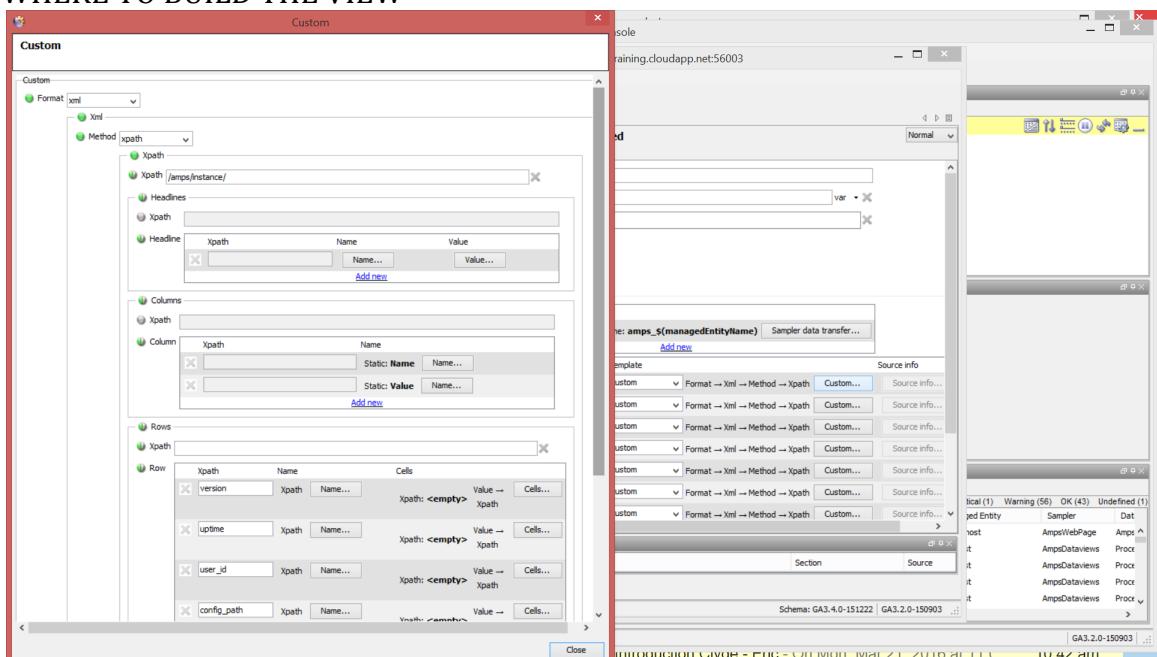
WHERE TO ENTER THE CONFIG FILE NAME (ARGUMENT TO RUN AMPSERVER)



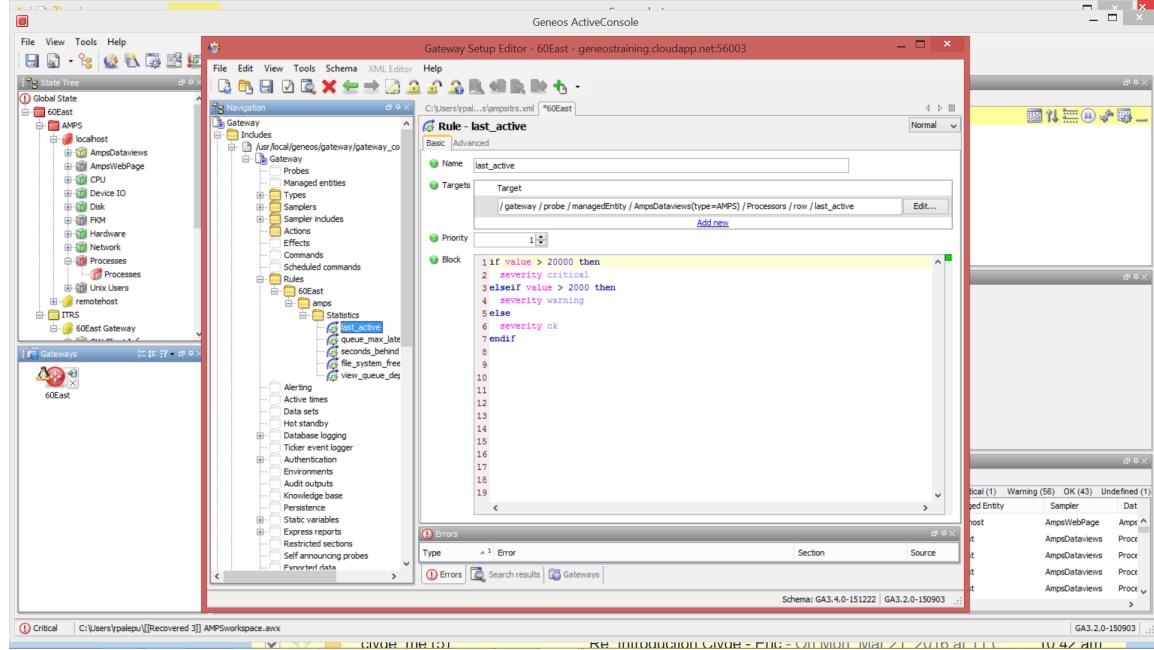
GATEWAY->INCLUDES->..->AMPLIFIERS->AMPS_DATA_VIEWS



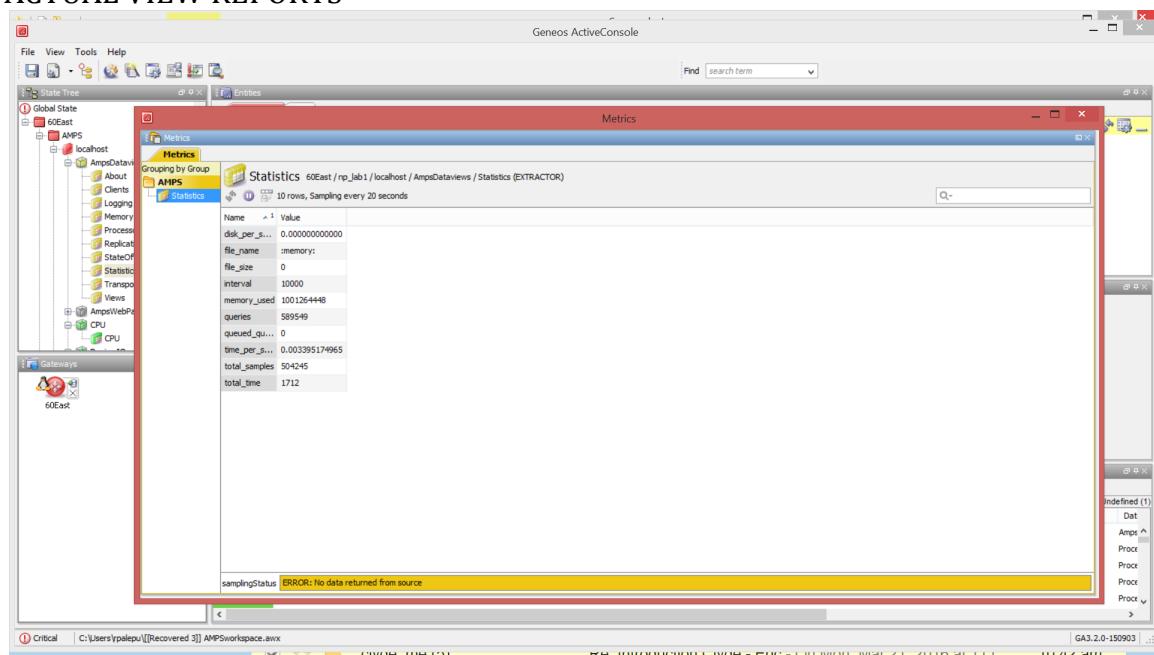
WHERE TO BUILD THE VIEW

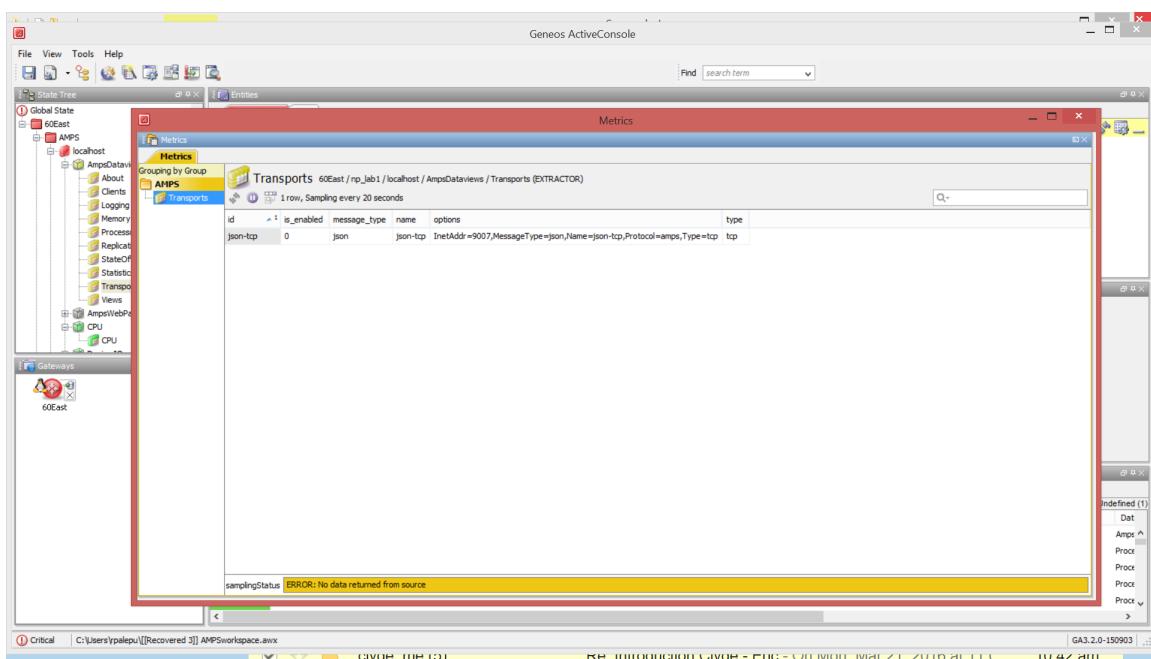
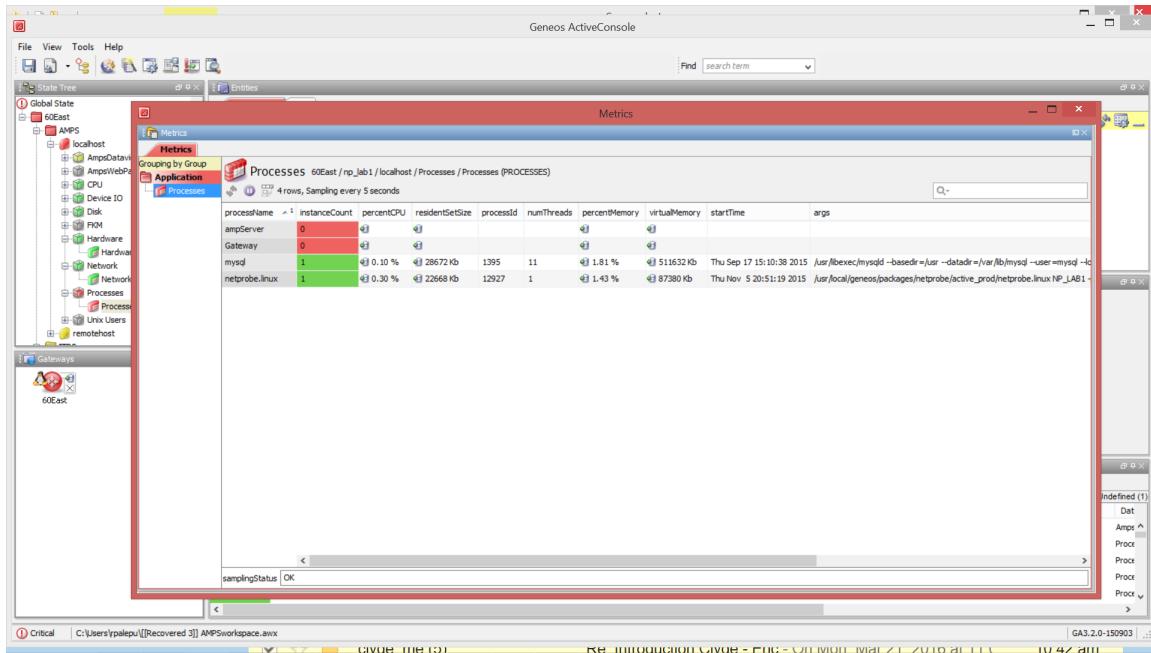


RULE BUILDING (5 Built In)



ACTUAL VIEW REPORTS





Common Rules (Alert When):

/amps/instance/clients.json

Every client's queue_max_latency > 10.0

/destinations/seconds_behind > 30.0

Replication taking over 30 seconds.

/amps/instance/processors/all/last_active > 20000

Message Processors idle

*/file_system_free_percent < 10

File System Nearing Capacity

/amps/instance/views/*/queue_depth > 20000

Views Responsiveness is Slow

Other factors :

Per Client:

messages_in_per_sec

subscription_count

Slow consumer stats

queue_depth_out

queued_bytes_out

queue_max_latency

denied_reads

denied_writes

Per Processor:

messages_received_per_sec

last_active

throttle_count

denied_reads

denied_writes