

AE IV&V Test Case TO8_8010

Revision History

Rev. No.	Date	By	Description of Changes
1.0	4/17/08	Jim Williams	Initial test case submission

1. TEST CASE IDENTIFIER

TO8_8010

2. NARRATIVE

Determine data volume during live SBN ingest in which the EDEX server-side is running in cluster mode on Dell 2950 servers . Data volumes will measure MB of data per hour and number of ingested filesper hour. Determine average and peak data volume (over all the ingested data and according to data type).

3. REFERENCES (Optional)

Raytheon Omaha test platform for server-side configuration

4. FEATURES TO BE TESTED

SBN data volume (average and peak) during live SBN data ingest.

5. SETUP INSTRUCTIONS

Step	Setup Procedure	Result
1	Dell 2950 servers configured according to Raytheon's specs for the new PX servers. The 2950 servers will be configured in a SEDA cluster on a dedicated GigE LAN.	

6. ACCEPTANCE CRITERIA

Step(s)	Criteria	Result
1	Average and peak data volume (number of MB/hour and number of files ingested per hour) must meet or exceed the volumes shown on an AWIPS I system ingesting the identical SBN data stream from the CPs.	

7. TESTING PROCEDURE

Step	Procedure	Expected Result	Actual Result
1	2-node Dell 2950 cluster with a third Dell 2950 server acting as dedicated NAS device. Postgres will run on the primary cluster node.	Data volume should meet or exceed the volume shown on an AWIPS I system ingesting the identical SBN data stream from the CPs.	
2	2-node Dell 2950 cluster with a third Dell 2950 server acting as dedicated NAS device. Postgres will run on a fourth Dell 2950 server (dedicated postgres server).	Data volume should meet or exceed the volume shown on an AWIPS I system ingesting the identical SBN data stream from the CPs.	
3	Single (standalone) edex server running on a Dell 2950 server.	Data volume should meet or exceed the volume shown on an AWIPS I system ingesting the identical SBN data stream from the CPs.	
4	End of test		