Healtcare Network: specifications

The following is a short description of all the devices (PCs) involved during the data flow process for the POCT case:

* N1 (noemasrv01): a database server for the applications HALIA, DNLAB and THEMIS. Message size: 44010957
* N2, N3, N4 (noemagw, noemaiish1, noemagw2): application servers for DNLAB. Message sizes, respectively: 30315836, 36657202, 5965720
* N5, N6 (noemaash1x, noematomcathal): application server for HALIA. Message sizes, respectively: 12238602, 10322632
* N7 (POCT1): Point of Care testing analyser. Message size: 3428405. Software applications:
  + DNLAB Client
  + HALIA Client
  + THEMIS Client
* N8, N9 (PC1, PC2): workstations connected to DNLAB where the operators can consult the clinical reports. Message sizes, respectively: 19331554, 36771053
* N10, N11, N12 (Medical1, Medical2, Medical3): medical devices. Message sizes, respectively: 26859852, 12902102, 24616698

A chart with different numbers

Description automatically generated with medium confidenceThe following is the reachability matrix:

This is a possible organization of topics:

* TOPIC data analytics
  + N2,N3,N4 publish
  + N1, N7, N8, N9 subscribe
* TOPIC medical analysis
  + N5,N6,N10,N11,N12 publish
  + N1,N7 subscribe
* TOPIC compliance
  + N1 publish
  + N7 subscribe