

Z390 Service Oriented Architecture Demo Timings in milli-seconds as of v1.2.00g

Event	Static Link	Single CPU	100 MB LAN	Wireless LAN
Initialize server	0	500	500	500
Initialize connection	0	36	36	36
DEMOSUB1 service time	2	2	2	2
DEMOSUB1 total time	2.2	5	5	5
DEMOSUB2 service time	1.5	1.5	1.5	1.5
DEMOSUB2 total time	1.7	3	5	5

Conclusions:

- 1. Static linking will always be faster, but makes sharing services more difficult.**
- 2. For SOA TCP/IP messaging the average overhead is about 2-3 milli-seconds.**
- 3. The major advantage of SOA is that services can be easily shared and maintained.**

Notes:

- 1. Initialize server time occurs on first call to service after startup and includes loading services.**
- 2. Initialization connection time only occurs on first call after starting client to establish connection.**
- 3. Service time is the time to execute service on the server as measured by DEMOSMGR.MLC**
- 4. Total time is end to end average time excluding first as measured by DEMOMAIN..MLC**
- 5. Single CPU timings are for both client and server running on same 3.0 GHZ Dell PC**
- 6. 100 MB LAN timing is for client on one PC and server on another PC on same 100 MB LAN**
- 7. Wireless LAN timing is for client on PC Laptop connected to LAN server via wireless router.**
- 8. No changes were made to programs generated by SOA\DEMO\DEMOSO.A.BAT.**
- 9. It may be necessary to add IP address of client to server security system like Norton NIS.**

Copyright 2007 Automated Software Tools Corporation

z390 is licensed under GPL License

