



Service Response Time

Service Response Time

» What is Service Response Time?

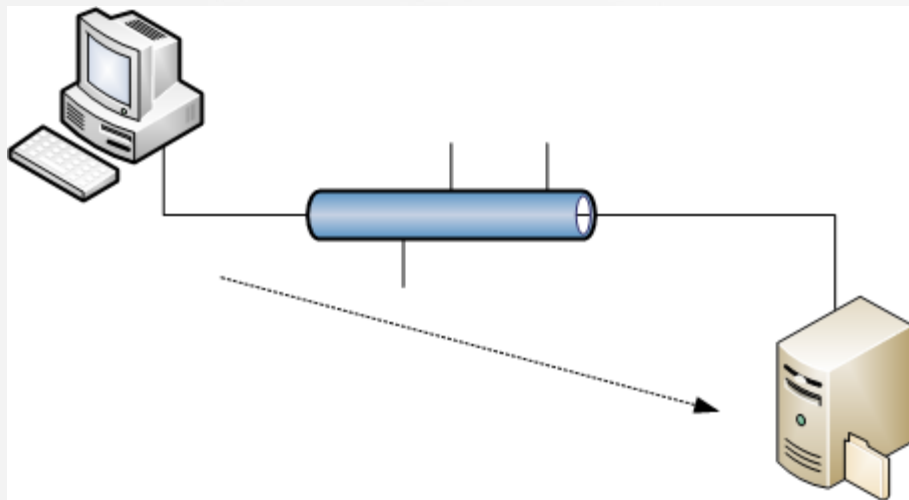
» Statistics Menu

- Service Response Time validation

» Protocols?

- SMB
- LDAP
- Others

Service Response Time



SMB2 Service Response Time statistics: Local Area Connection

SMB2 Service Response Time statistics
Filter:
SMB2 Commands

Index	Procedure	Calls	Min SRT	Max SRT	Avg SRT
16	GetInfo	4	0.001700	0.001829	0.001767
3	Tree Connect	1	0.002903	0.002903	0.002903
4	Tree Disconnect	1	0.001608	0.001608	0.001608
5	Create	1	0.005030	0.005030	0.005030
6	Close	1	0.001853	0.001853	0.001853
11	Ioctl	1	0.001821	0.001821	0.001821

Close

Service Response Time

» What kind of problems do we see?

» Slowdowns

- We will see the response time as problematic

» Optimization

- Change protocol version?
- Network issue? (Use Wireshark further)
- Other

Service Response Time

*Local Area Connection [Wireshark 1.12.0 (v1.12.0-0-g4fab41a from master-1.12)]

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Filter: smb Expression... Clear Apply Save

No.	Time	UTC	Source	Destination	Protocol
133	0.000000000	2014-09-23 16:06:33.171193000	10.121.90.57	10.121.91.25	BROWSER
248	9.585417000	2014-09-23 16:06:42.756610000	10.121.90.69	10.121.91.25	BROWSER
391	9.311303000	2014-09-23 16:06:52.067913000	10.121.90.120	10.121.91.25	BROWSER
590	14.59				
791	12.37				
933	11.61	2014-09-23 16:07:30.653897000	10.121.90.98	10.121.91.255	BROWSER Host Announcement VIRTU
1484	32.34				
1485	0.001				

Frame 933: 243 bytes on wire (1944 bits), 243 bytes captured (1944 bits) on interface

- Ethernet II, Src: 8c:89:a5:90:0c:4b (8c:89:a5:90:0c:4b), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
- Internet Protocol Version 4, Src: 10.121.90.98 (10.121.90.98), Dst: 10.121.91.255
- User Datagram Protocol, Src Port: 49633 (49633), Dst Port: 138 (138)
- NetBIOS Datagram Service
- SMB (Server Message Block Protocol)
- SMB Mailslot Protocol
 - Opcode: write Mail slot (1)
 - Priority: 0
 - Class: Unreliable & Broadcast (2)
 - Size: 50
 - Mailslot Name: \MAILSLOT\BROWSE
- Microsoft Windows Browser Protocol
 - Command: Host Announcement (0x01)

Questions?