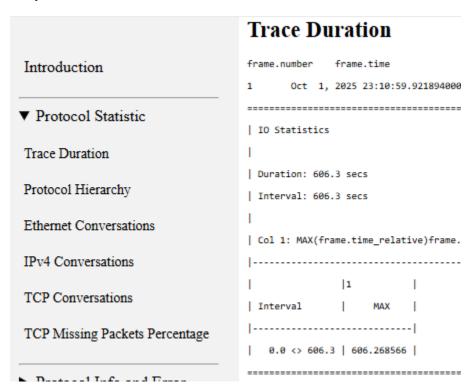# How to Read Network Protocol Analysis Report
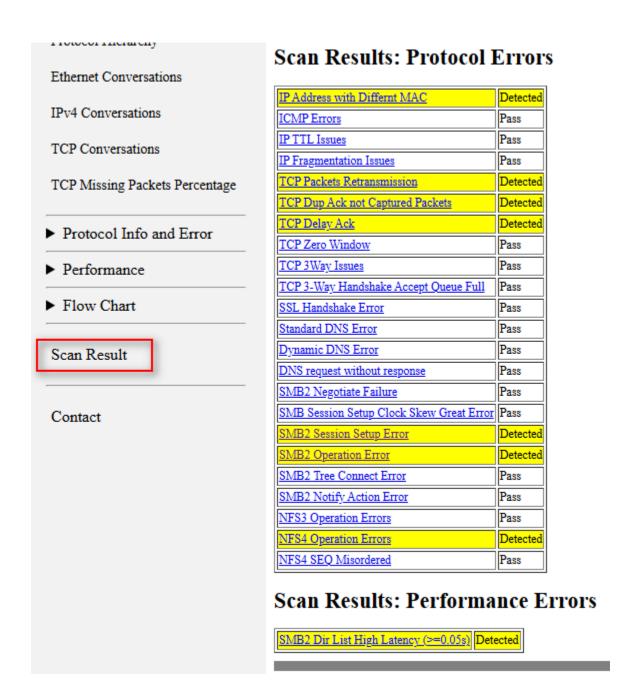
Step1:

First, confirm whether the captured network packets cover the specific time when the issue occurred.

Step2:

The scan results will highlight the detected issues. You can click directly to jump to the corresponding detailed report.

Ethernet Conversations

IPv4 Conversations

TCP Conversations

TCP Missing Packets Percentage

▶ Protocol Info and Error

▶ Performance

▶ Flow Chart

Scan Result

Contact

Scan Results: Protocol Errors

IP Address with Differnt MAC	Detected
ICMP Errors	Pass
IP TTL Issues	Pass
IP Fragmentation Issues	Pass
TCP Packets Retransmission	Detected
TCP Dup Ack not Captured Packets	Detected
TCP Delay Ack	Detected
TCP Zero Window	Pass
TCP 3Way Issues	Pass
TCP 3-Way Handshake Accept Queue Full	Pass
SSL Handshake Error	Pass
Standard DNS Error	Pass
Dynamic DNS Error	Pass
DNS request without response	Pass
SMB2 Negotiate Failure	Pass
SMB Session Setup Clock Skew Great Error	Pass
SMB2 Session Setup Error	Detected
SMB2 Operation Error	Detected
SMB2 Tree Connect Error	Pass
SMB2 Notify Action Error	Pass
NFS3 Operation Errors	Pass
NFS4 Operation Errors	Detected
NFS4 SEQ Misordered	Pass

Scan Results: Performance Errors

SMB2 Dir List High Latency (>=0.05s)	Detected

Step3:

The flow chart report is based on the selected IP and displays the detected problematic protocol packets in chronological order. You can compare the specific time of the issue to locate the related packets for further analysis.

Flow Chart 172.16.1.185

frame.relative_time	frame.number	tcp.stream	ip.src	ip.dst	wireshark info	traceinside info
5.092091000	2170	41	172.16.1.185	172.30.1.76	V4 Reply (Call In 2169) LOOKUP Status: NFS4ERR_NOENT	nfs4 operation errors
16.197660000	3327	105	172.16.1.185	192.168.68.93	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.235830000	3386	105	172.16.1.185	192.168.68.93	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.305971000	3625	105	172.16.1.185	192.168.68.93	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.354830000	3825	105	172.16.1.185	192.168.68.93	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.398188000	3897	105	172.16.1.185	192.168.68.93	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.405455000	3911	86	172.16.1.185	172.30.2.31	Find Response, Error: STATUS_NO_MORE_FILES SMB2_FIND_BOTH_DIRECTORY_INFO Pattern: ZZM251002<"*	smb2 operation error
16.442627000	3929	105	172.16.1.185	192.168.68.93	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.472336000	4022	86	172.16.1.185	172.30.2.31	Find Response, Error: STATUS_NO_SUCH_FILE SMB2_FIND_NAME_INFO Pattern: ZZM251002_00000011_0000000000_P01.pdf	smb2 operation error
16.486810000	4122	105	172.16.1.185	192.168.68.93	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.518811000	4303	121	172.16.1.185	172.16.1.7	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.527866000	4361	72	172.16.1.185	172.16.1.19	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.536145000	4399	122	172.16.1.185	172.16.1.7	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.540373000	4441	72	172.16.1.185	172.16.1.19	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.540945000	4448	105	172.16.1.185	192.168.68.93	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.548792000	4482	122	172.16.1.185	172.16.1.7	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.556167000	4495	72	172.16.1.185	172.16.1.19	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.574359000	4524	121	172.16.1.185	172.16.1.7	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.580048000	4535	105	172.16.1.185	192.168.68.93	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.646289000	4555	105	172.16.1.185	192.168.68.93	GetInfo Response, Error: STATUS_NO_EAS_ON_FILE	smb2 operation error
16.680972000	4610	86	172.16.1.185	172.30.2.31	Session Setup Response, Error: STATUS_MORE_PROCESSING_REQUIRED, NTLMSSP_CHALLENGE	smb2 operation error
16.681934000	4614	86	172.16.1.185	172.30.2.31	Session Setup Response, Error: STATUS_LOGON_TYPE_NOT_GRANTED	smb2 operation error
16.683336000	4621	86	172.16.1.185	172.30.2.31	Session Setup Response, Error: STATUS_MORE_PROCESSING_REQUIRED, NTLMSSP_CHALLENGE	smb2 operation error
16.684258000	4628	86	172.16.1.185	172.30.2.31	Session Setup Response, Error: STATUS_LOGON_TYPE_NOT_GRANTED	smb2 operation error
16.685956000	4632	86	172.16.1.185	172.30.2.31	Session Setup Response, Error: STATUS_MORE_PROCESSING_REQUIRED, NTLMSSP_CHALLENGE	smb2 operation error

Step 4:

The protocol issues detected by the tool are explained in detail, with examples, in the Network Protocol Analysis Tool Help Center below.

https://www.traceinside.com/hc/Welcome.html