SANGFOR

SANGFOR WANO CIFS Acceleration Guide

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WANO CIFS Acceleration Guide

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1.Information Confirm

1.1 Network Confirm

Topology map, server subnet, client subnet, whether server join domain, client version, server version, transfer protocol, authentication type, whether sign.

If no domain environment, keep default configuration and enable CIFS proxy test.

1.2 How to confirm

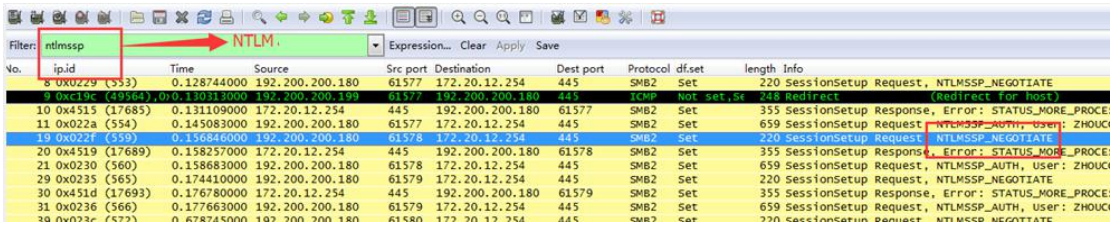
How to confirm transfer protocol:

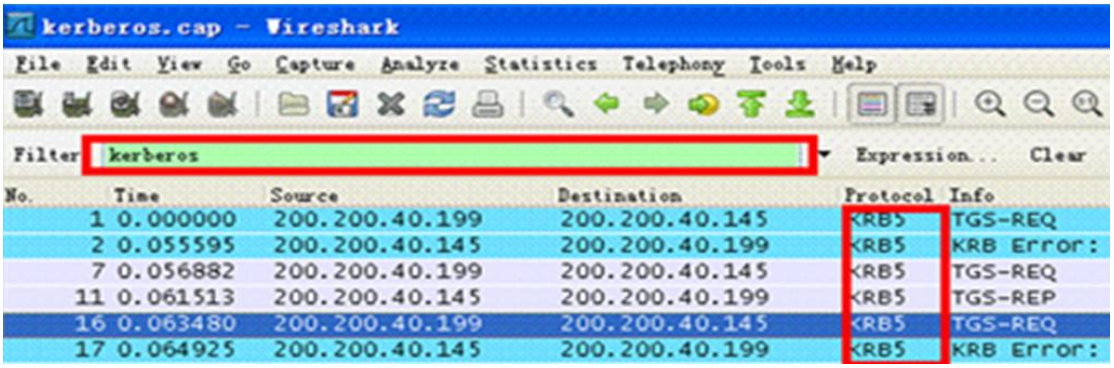
Client system below vista or server system below server 2008 all use SMB,

Client system above vista and server system above 2008 all use SMB2.

How to confirm authentication:

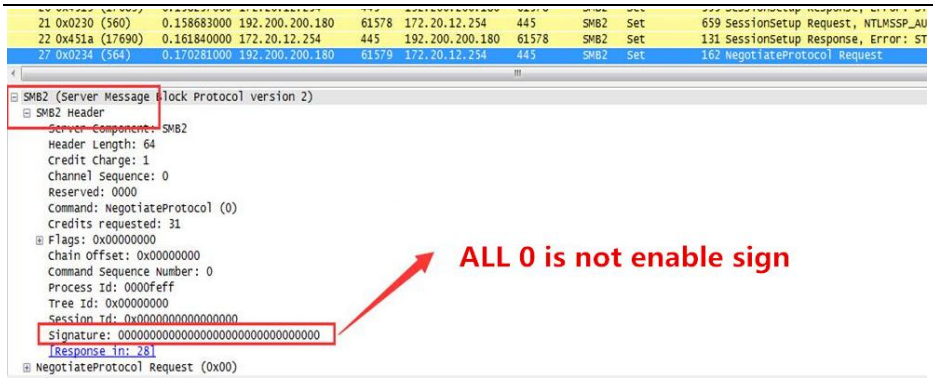
Capture normal user's packets and analysis.





How to know whether CIFS enable sign:

Capture normal user's packets and analysis.



2. Analysis

If POC not in domain, we don't need to do delegation, just use TCP proxy or enable CIFS proxy.

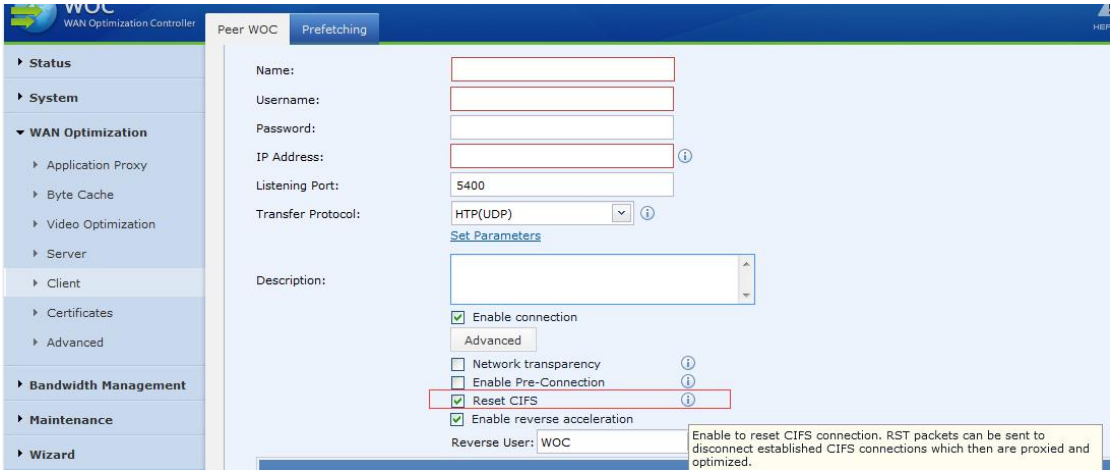
If POC in domain environment, we need to do more thing to confirm.

We can disable CIFS proxy, then WANO will use TCP proxy to accelerate, it doesn't need to do delegation, but if it has no acceleration effect ,we must enable CIFS proxy and according the following excel whether it need to do delegation.

CIFS proxy in domain environmen

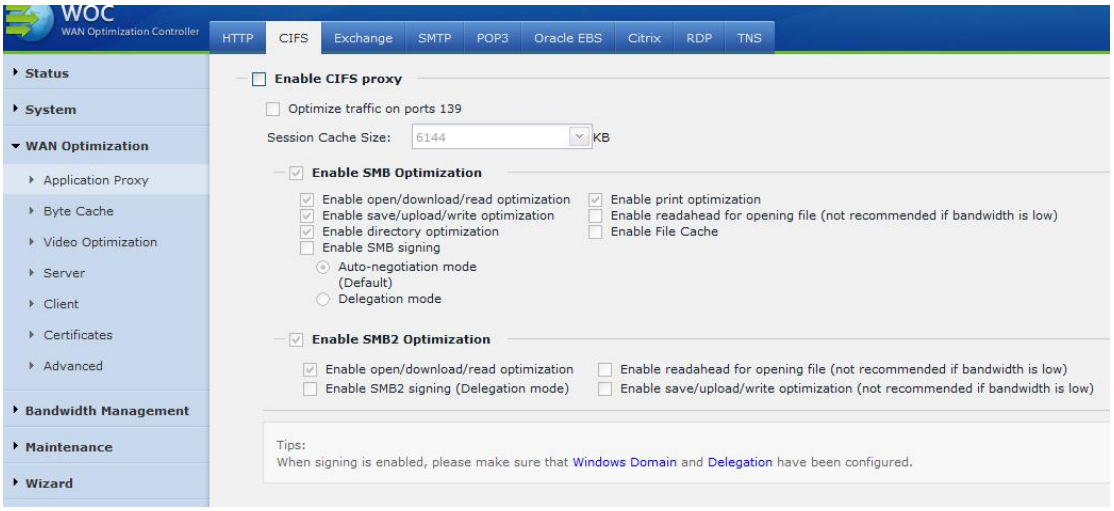
3. Configuration

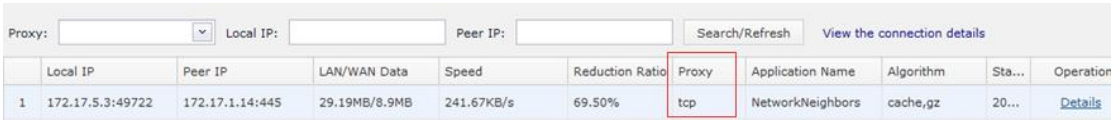
To test accelerate CIFS, we'd better enable reset CIFS.



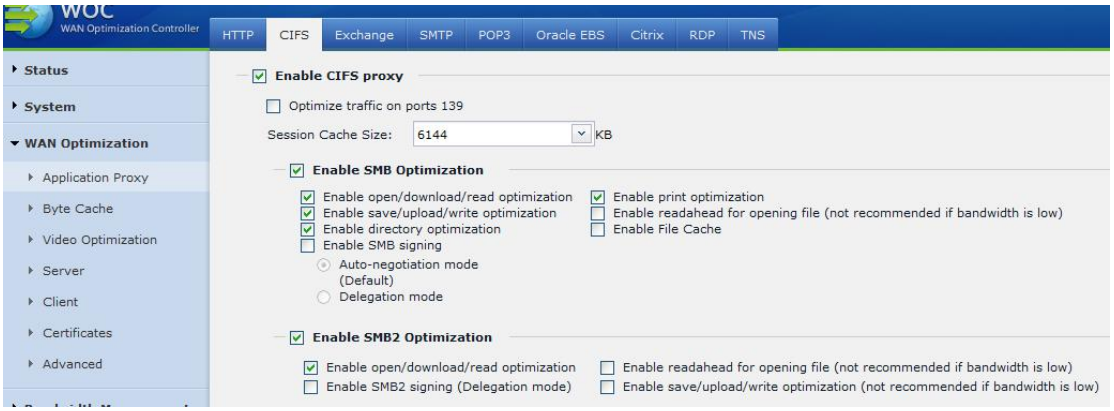
3.1 Ordinary environment

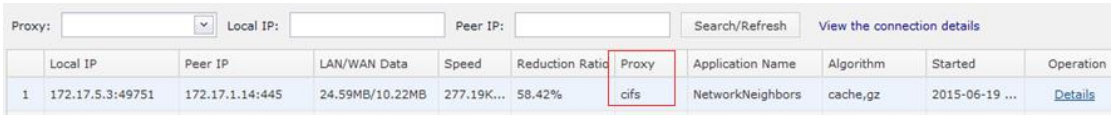
1. Keep default configuration, not enable CIFS proxy, WANO will use TCP proxy to accelerate CIFS.





2. Enable CIFS proxy, WANO will use CIFS proxy to acceleration CIFS.



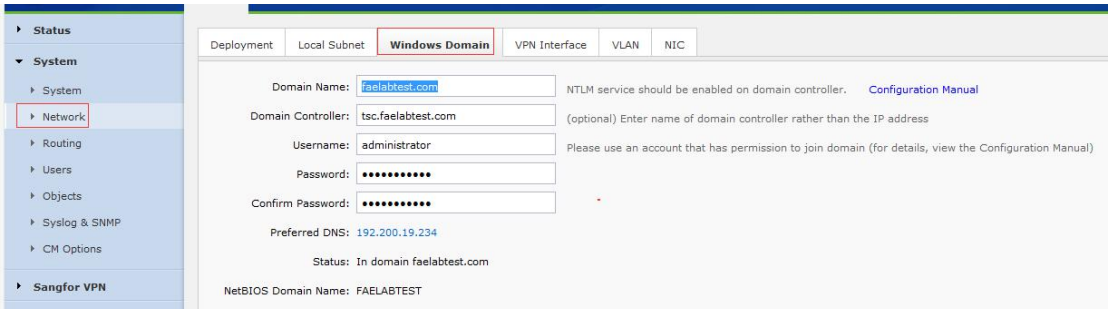


3.2 Domain environment

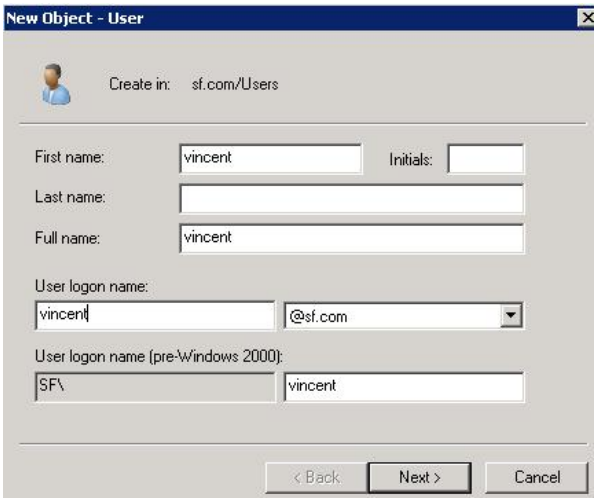
1. Just like ordinary environment disable CIFS proxy and enable CIFS proxy, if this two method have no effect, we should to do more thing.

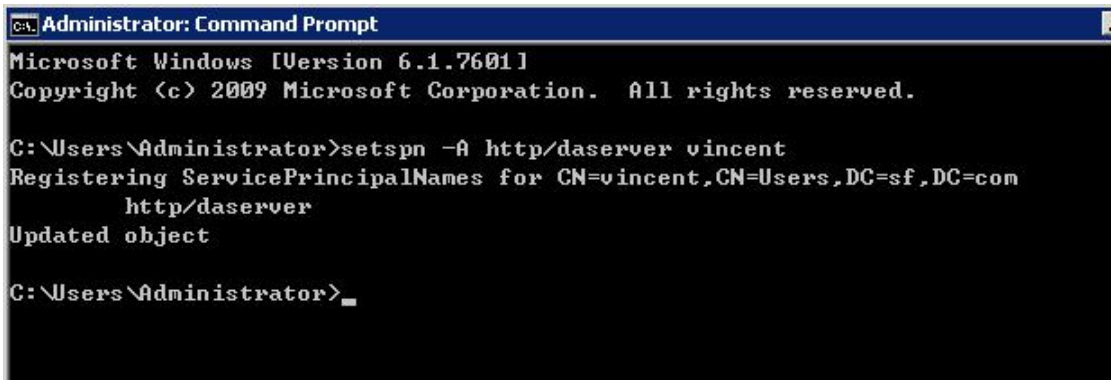
2. Capture packets of a normal PC copy data from CIFS server, analysis the transfer protocol/ authentication/whether sign.

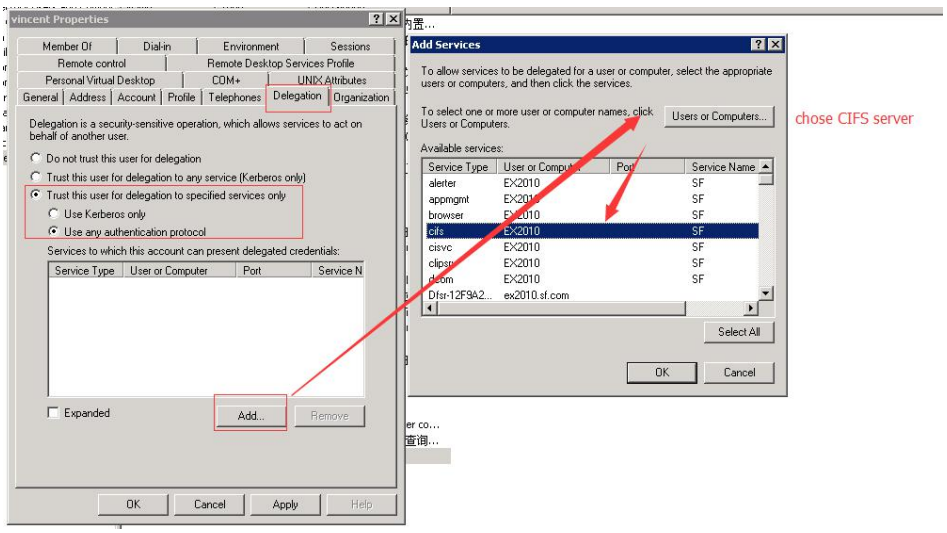
A. CIFS server side WANO join domain.



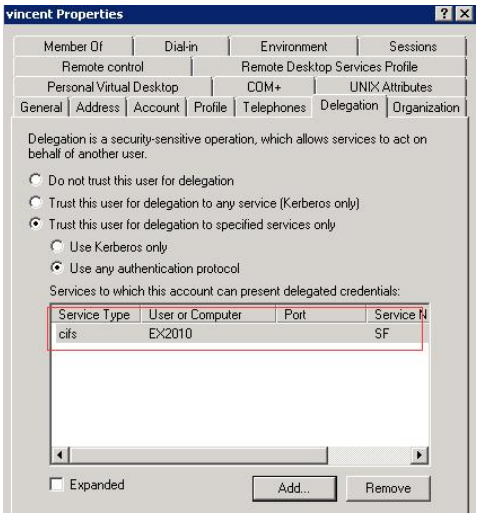
B. Create a delegation user in domain



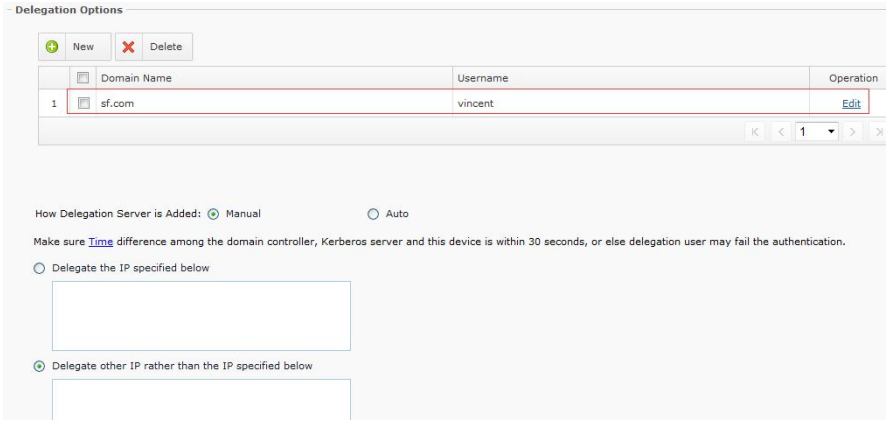




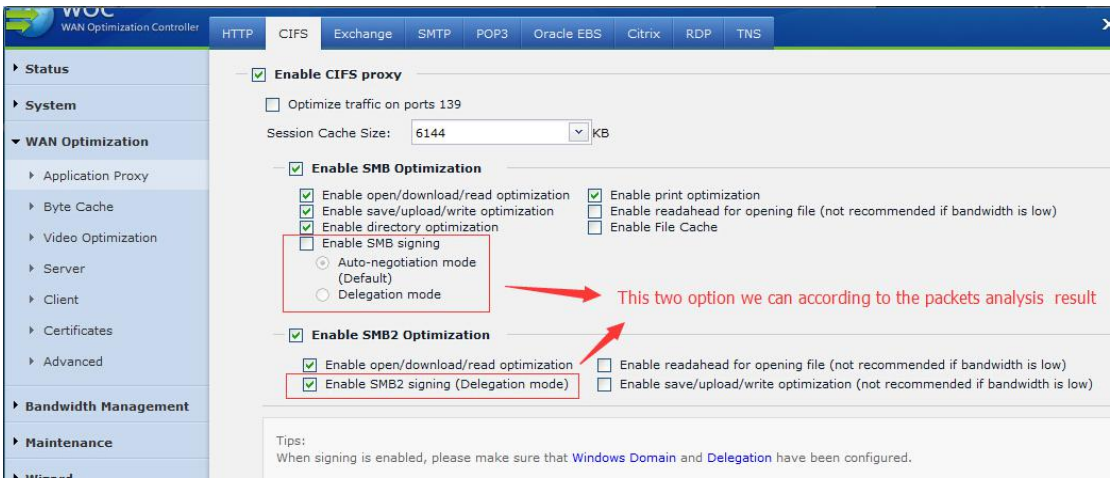
chose CIFS server



C. add delegation user to CIFS server side WANO.



D. Enable CIFS proxy.



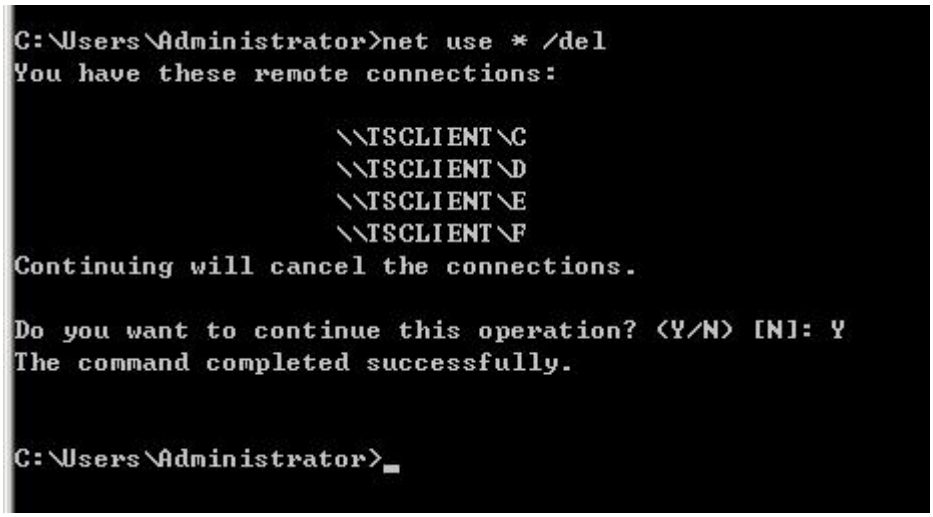
4. Troubleshooting

A. The most important thing is environment confirm.

B. Capture one normal PC copy file from CIFS server and analysis packets.

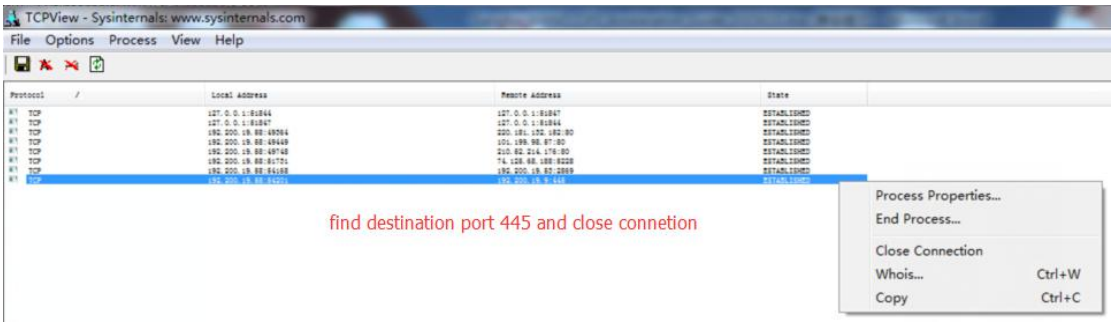
C. If acceleration tunnel reconnect, we should close and clean CIFS session and wait for a while test again.

net use * /del can clean PC session

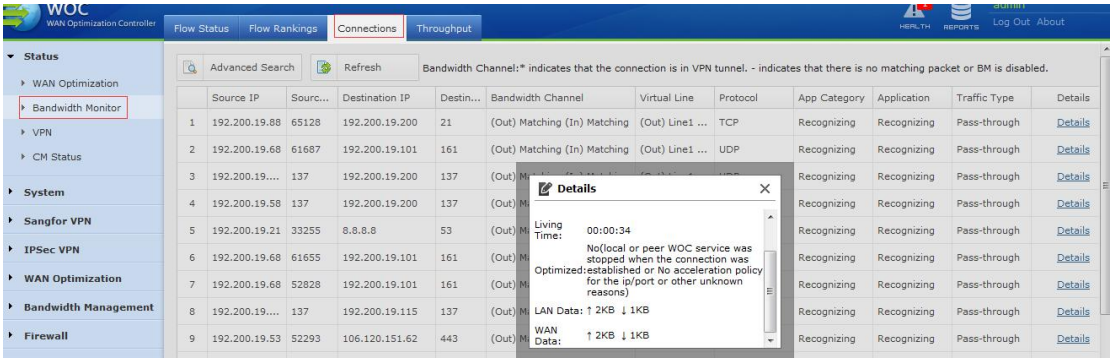


we can also use tool to clean old session

Tcpview.exe



D. Check debug logs

E. Check health status, whether it has alarm.

F. Monitor connections.