

Analyze Reasons for Slow Network

Slow network is a common phenomenon. For the diversity of the reasons causing slow network, to troubleshoot slow network is one of the most common and troublesome work in daily network management.

According to analysis, major reasons for slow network are:

- 1. Loopback
- 2. Broadcast/Multicast storm
- 3. Virus attack
- 4. Server slow response
- 5. Too many clients
- 6. Application slow response
- 7. Error client mask

How can we quickly find out the cause for slow network happens? It's a good idea to capture and analyze packets with a network analyzer.

Deep Analysis of Slow Network

Network analyzer works in sniffing mode. It can capture and analyze network communications in real time. After analysis, we can find reasons for slow network. Here we use Colasoft Capsa.

The following table lists the reasons, phenomenon of slow network in Colasoft Capsa GUI, and corresponding solutions:

Reason	Phenomenon	Solution
Loopback	A lot of retransmission	Packet tab, all field values are same
		Change

Find Reasons for Slow Network

Written by Colasoft
Wednesday, 16 February 2011 05:57 - Last Updated Wednesday, 16 February 2011 06:04

Broadcast/Multicast storm	Large numbers of broadcast	Packet	tab. Broadcast/Multicast	Summary
Virus Attack	There are a lot of connections	View source address of MAC addresses and	MAC addresses and	Address
Server Slow Response	In the	Packet	tab, SYN/ACK response time	Ad
Too Many Clients	Too many nodes in the	Node Explorer	, the	Phy
Application Slow Response	In the	Packet	tab, packets response time	Ad
Error Client Mask	In the	Packet	tab, data that should be tra	Ch

Conclusion

Reasons causing slow network are diversified, there is no absolute way that can guarantee normal network operation. With a network analyzer you can quickly find out the reason that causes slow network, thus greatly enhanced network management efficiency.

Find Reasons for Slow Network

Written by Colasoft

Wednesday, 16 February 2011 05:57 - Last Updated Wednesday, 16 February 2011 06:04
