

Diagnostic End User Questions for P2P Applications

P2P:

1. Did the message reach the destination?
2. Is URL for the service getting rendezvous and is it up to date?
3. Is address of rendezvous valid (can I contact it) or not?
4. Location:
 - a. Am I inside of the firewall?
 - b. Where I am located?
 - c. Where is the peer that I want to contact located?
5. Between two peers is there a firewall?
6. Sometimes you want to synchronize the time on peers – are they in sync?
7. What is the bandwidth between two peers?
8. How much data do I want to send?
9. If you do broadcasting, which peers are not busy so they can be selected?
10. If peer is not responding, is it busy or offline?

P2P questions that “may” be solved using logs:

1. When was a peer accessed, from where, and with what requests?
2. Did the message get sent to the peer?
3. Did a peer receive particular message with a specific ID?
4. Did it reply to a particular message?
5. Where did the message get lost as it traveled through the network?
6. What is the trace of a message through the network.
7. How many messages were received and how many within particular time window?
8. Did a peer have any errors and at what time?
9. If some peer is not responding is it busy with another activity?