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2016-12-13



Introduction

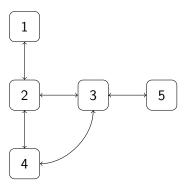
What is P2PChat?

Chat program which utilizes peer-to-peer connections in order to construct a large network of clients whom all participate in a single global group chat.

- How does it work?
 - Clients connect to each other and create a network.
 - Clients can then broadcast messages over the network.
 - No tracker sadly; clients have to manually connect to each other

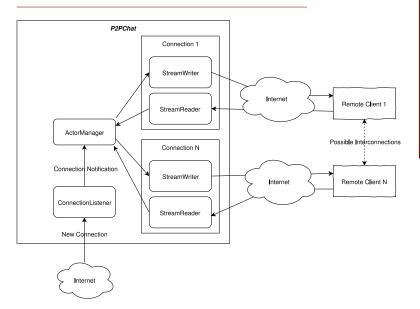


Example Network

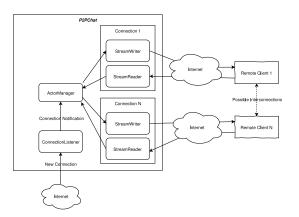


Five clients connected to each other forming a simple network. If client 5 broadcasts a message, it will traverse the entire graph and eventually reach all nodes in the network.

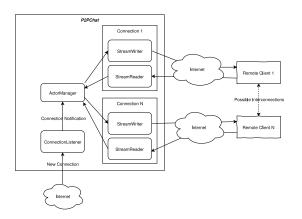






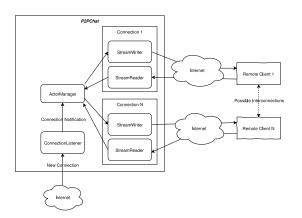






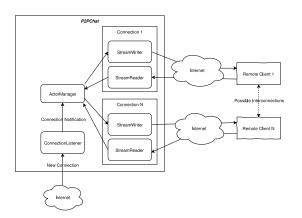
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- Arrows inside big rectangle represents channels.
- Arrows outside represents TCP sockets.





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 - An abstract concept. Each connection is represented by the two actors spawned by the Connection Listener.



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