

Eclipse Attacks - Hardening the P2P Layer

Hardening the P2P overlay network

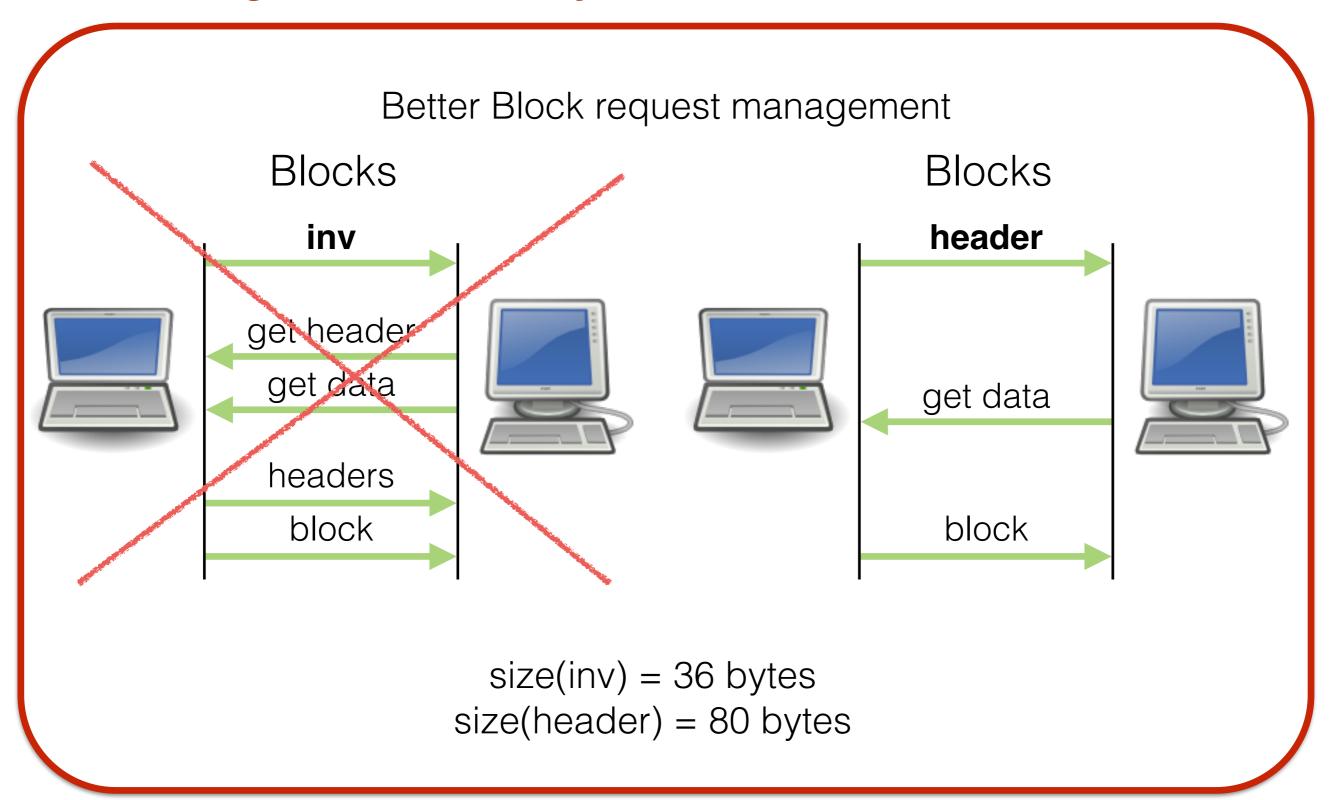
1. Why not smaller static timeouts?

2. Why not requesting from multiple peers?

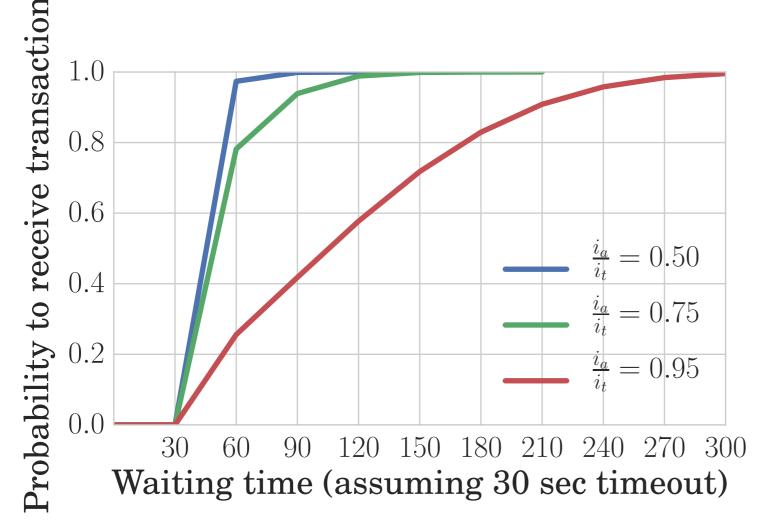
3. What about alternative relay networks?

Security vs Scalability tradeoffs

Hardening the P2P overlay network

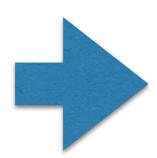


Hardening the P2P overlay network



i_a = **inv** messages sent by adversary

it = total **inv** messages



After 5 minutes, transaction is received, even if the adversary controls 95% of the inv