

# Vanilla ICE

draft-jennings-mmusic-ice-fix-00

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V1



# Where this started ...

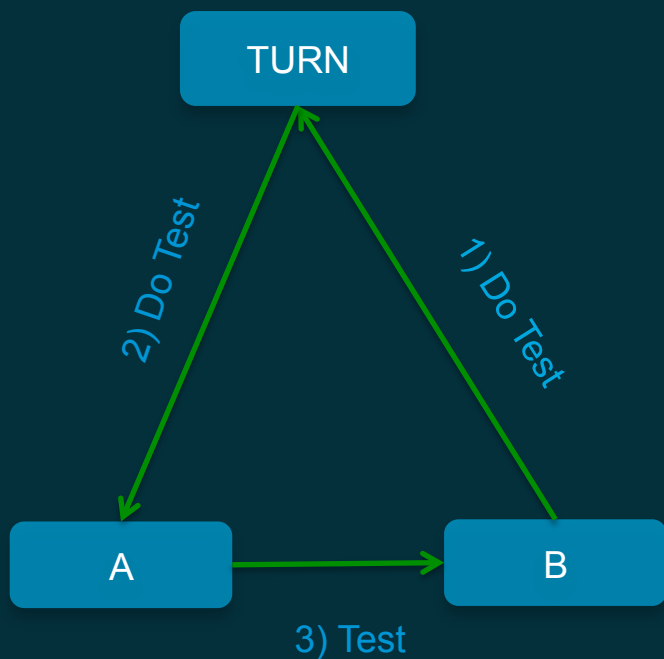
- Looked at current implementations in deployments to get better idea of backwards compatibilities issues for existing deployments
- Found that:
  3. Many widely deployed devices do not implement aggressive nomination.
  4. Many widely deployed devices do not implement normal nomination.



# And ...

- 1) Hard to test and debug
- 2) Is timing dependent
- 3) Many implementations missing aggressive nomination
- 4) Many implementations missing normal nomination
- 5) No discover of asymmetric routes
- 6) Designed for TURN to be optional but in practice it is required
- 7) Controlled / Controller complexity
- 8) Hard to adapt priorities to new address types without impacting timing (see 2)

# Proposal – new mode – vanilla



- Both sides use the TURN server to tell the other side to do a one way test
- Timing and order for tests from A to B are under control of B
- Makes it easier to B to change algorithms without any changes in A.