

NAT Considerations for IPPM Active Measurement Protocols

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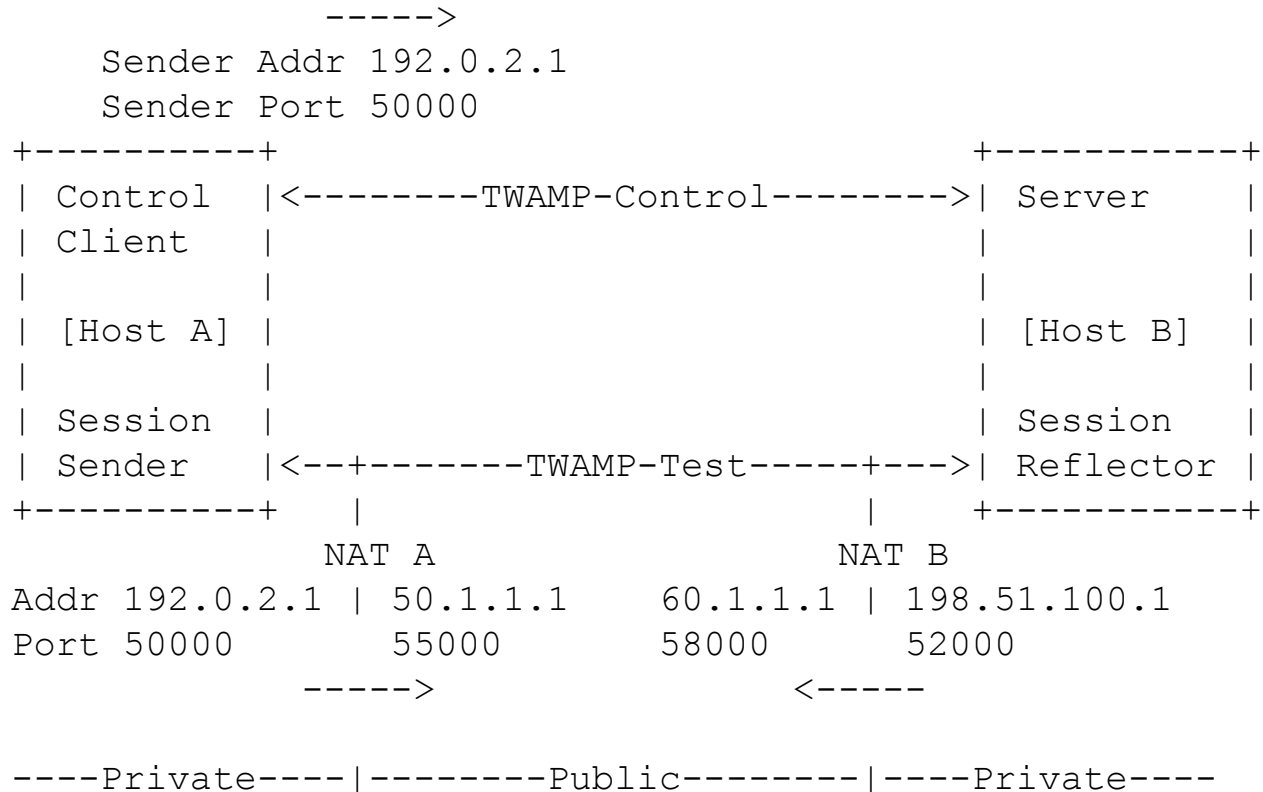
Presenter: Muthu Arul

Authors: Muthu Arul, Greg Mirsky

Problems with NAT (1/2)

- Applications that exchange address/port parameters within control session to establish data session are broken by NAT (e.g. FTP, H.323, SIP, RTSP)
- Common characteristics:
 - Addressing information in control payload is realm-specific and is not valid once packet crosses the originating realm
 - Control session permits data session to originate in a direction that NAT does not permit
- OWAMP/TWAMP negotiate sender and receiver addresses and port numbers used by the test session in their control protocol

Problems with NAT (2/2)



TWAMP test session across NAT

Scope of the work

Discussion and documentation of:

- Problems in obtaining IPPM measurements across Internet paths traversing NAT
- Requirements for possible solutions
- Solutions/guidelines/best practices

Next Step

- Reviews/feedback from the WG