

DCCP Encapsulation for NAT Traversal

draft-ietf-dccp-udpencap-00

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Background

- Draft was idle for a while
 - Discussion on general directions for UDP encapsulation
 - Common mechanism vs. protocol specific documents
- Topic raised again in Hiroshima
 - Need something done rather soon
 - Other past RFCs to specify UDP encapsulation for protocol X
 - Adopted based on strong support on the mailing list
- Should be aligned with related SCTP work

Draft Outline

- Modified “DCCP-NAT” header inside UDP datagrams
 - No support for short sequence numbers
 - No checksum or checksum coverage fields
- Partial checksums indicated by UDP length
- Short discussion on ECN and PMTU discovery
- Signaling the use of DCCP-NAT in SDP

For Discussion...

- Recent changes
 - Checksum coverage using UDP length
 - ECN and PMTU discovery considerations
 - Simplification of SDP definitions
- Other comments
 - Worth considering a straight encapsulation mode
 - Should discuss drawbacks of UDP encapsulation

Next Steps

- Desire to move forward swiftly
 - If there are open issues, solve by next version
 - Then, if everything looks ok, issue (DCCP) WGLC

Please read the draft and send comments to the DCCP mailing list