DTLS 1.1

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Overview

- Update to match TLS 1.2
  - Mostly s/TLS 1.1/TLS 1.2/
- Clarify confusing points in the spec
- No other changes
TLS 1.2 Upgrade

- DTLS 1.0 is a delta off TLS 1.1
  - This is intentional
  - Not clear you can just pick a random version (cf. TLS 1.0)
- But now TLS 1.2 is out
  - Need to upgrade
- Proposal: Rev DTLS version to 1.1 and have it matched to TLS 1.2
  - Question: would it be better to go to 1.2 to match versions?
Known Issue 1: HelloVerifyRequest and CertificateVerify

- S 4.1.2. specifies that the first ClientHello and HelloVerifyRequest are not included in Finished
- Nothing is said about CertificateVerify
- Proposal: it’s not included there either
Handshake Headers and Hashes

• DTLS handshake messages are:

```c
struct {
    HandshakeType msg_type;
    uint24 length;
    uint16 message_seq;  // New field
    uint24 fragment_offset;  // New field
    uint24 fragment_length;  // New field
    ...
}
```

• How are handshake hashes computed with fragmentation
  
  – Reassemble and then hash
  
  – Include the headers?
    
    ∗ This isn’t clear in the spec (answer is “yes” in TLS)

• Proposal: change the text to make this clear
Planned Timeline

- Gather other issues
  - Call on the mailing list
  - Have them by 31-April-08
- Discuss contentious issues on mailing list
- New draft by 31-May-08
- Resolve final contentious issues in Dublin