

SDP Elements for FEC Framework

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FEC Framework in One Slide

- The FEC Framework defines
 - The common components and aspects of Content Delivery Protocols (CDP)
 - The requirements for the FEC schemes
 - What configuration information has to be minimally known at the sender and receiver(s)
 - FEC Framework Configuration Information
- The FEC Framework **DOES NOT** specify
 - The internal mechanics of the individual FEC schemes
 - How the configuration information is negotiated or signaled between the sender and receiver(s)
 - These are rather specified by the FEC scheme or CDP

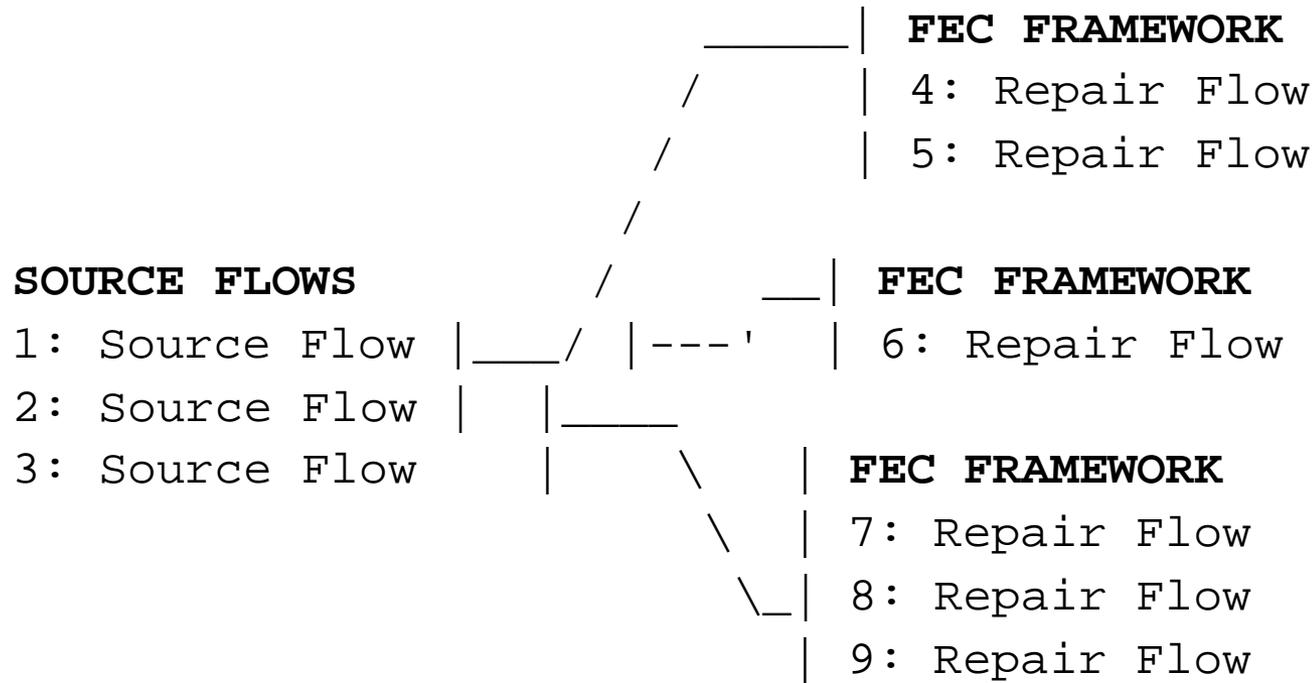
SDP Elements for FEC Framework

- The sender and receiver(s) **MUST** know how to configure the FEC Framework instance(s)
- A CDP using SDP (RFC 4566) as the session description protocol **MUST** use the SDP elements introduced by this document
 - SDP is not, however, the only means to configure the instances

Configuration Information

- This information specifies the relationship(s) between the source and repair flows
- Each FEC Framework instance **MUST** provide
 - Identification of the repair flows
 - For each source packet flow protected by the FEC repair flow(s):
 - Definition of the source flow
 - An integer identifier for this flow definition
 - FEC Scheme ID that identifies the FEC scheme
 - Length of the Source FEC Payload ID (in bytes)
 - An opaque container for the FEC-Scheme-Specific Information

Example



Media Stream Grouping

- We use the 'group' attribute and the FEC grouping semantics defined in RFC 4756 are used to associate source and repair flows together
- We support multiple layers of FEC protection (additive)
- We support prioritization among different layers

Comments/Feedback

- We don't like to reinvent the wheel
- Send us any feedback you think that is necessary at the early stage