

Service Function Chaining (SFC)

IETF 89

London

WG Chairs:

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Agenda (Brief)

- Agenda Bashing
- Introduction
- SFC Problem Statement Discussion [10 min]
- SFC Use Cases / Requirements Discussion [70min]
- SFC Architecture Discussion [30 min]
- Requirements / Motivations for Encapsulations Functionality [30 min]
- Closing

Agenda (Detailed)

- Introduction (WG-chairs) - [5 minutes]
 - Review WG charter priorities
- SFC problem statement discussion - [10 minutes]
 - Problem statement review (Thomas Nadeau) - [5 minutes]
 - <http://datatracker.ietf.org/doc/draft-ietf-sfc-problem-statement/>
 - Problem statement Q&A (open-mic) - [5 minutes]
- SFC use case/requirements discussion (WG-chairs, presenters + open-mic) - [70 minutes]
 - SFC use case direction and evolution (WG-chairs) - [5 minutes]
 - BBF/IETF SFC Liaison (Hongyu Li) - [5 minutes]
 - SFC use cases (Shucheng Liu) - [10 minutes]
 - <http://datatracker.ietf.org/doc/draft-liu-sfc-use-cases/>
 - SFC long lived flows use cases (Joel Halpern) - [10 minutes]
 - <http://datatracker.ietf.org/doc/draft-krishnan-sfc-long-lived-flow-use-cases/>
 - SFC mobility use cases (Jeff Napper) - [10 minutes]
 - <http://datatracker.ietf.org/doc/draft-haeffner-sfc-use-case-mobility/>
 - SFC DC use cases (Surendra Kumar) - [10 minutes]
 - <http://datatracker.ietf.org/doc/draft-kumar-sfc-dc-use-cases/>
 - Requirements for SFC (Carlos Pignataro) - [10 minutes]
 - <http://datatracker.ietf.org/doc/draft-boucadair-sfc-requirements/>
 - SFC use cases/requirements Q&A (open-mic) - [10 minutes]

Agenda (Detailed) Cont.

- SFC architecture discussion (presenters + open-mic) - [30 minutes]
 - SFC architecture (Paul Quinn/Andre Bellevue) - [10 minutes]
 - <http://datatracker.ietf.org/doc/draft-quinn-sfc-arch/>
 - SFC architecture & framework (Diego Lopez) - [10 minutes]
 - <http://datatracker.ietf.org/doc/draft-boucadair-sfc-framework/>
 - SFC architecture Q&A (open-mic) - [10 minutes]
- Requirements/motivations for encapsulation functionality - [30 minutes]
 - Metadata Considerations (Ross Callon) - [10 minutes]
 - <http://datatracker.ietf.org/doc/draft-rijsman-sfc-metadata-considerations/>
 - Network Service Headers (Paul Quinn) - [10 minutes]
 - <http://datatracker.ietf.org/doc/draft-quinn-sfc-nsh/>
 - Requirements/motivations Q&A (open-mic) - [10 minutes]
- Closing (WG chairs) - [5 minutes]
 - Actions & Next Steps

SFC Problem Statement

- **Objective:** level set on the status of the SFC WG problem statement
- **Questions to answer:**
 - Are there any outstanding issues?
 - Can we start WGLC with goal of sending to IESG [milestone April 2014]

SFC Use Cases

- **Objective:** Work towards having a single WG document plus a small number of more detailed scenario-specific use case documents. Further discuss SFC requirements and how use cases are driving those requirements. Note:
 - Purpose of use cases is to help motivate/justify the problem statement
 - Provide requirements for solutions
- **Questions to answer:**
 - Should we have an overview use case document, and what use cases should it cover?
 - Which documents are worth pursuing as standalone WG documents?
 - Do we need an overall document tracking SFC requirements?

SFC Architecture

- Objective: work towards having a single WG document for the SFC architecture
- Questions to answer:
 - How do we get there?
 - Which documents are candidates for adoption?
 - What are the key differences between these documents? Is there scope for alignment and merge into a single document?
 - What gaps need filling from other existing documents?