# Source Packet Routing in Networking WG (spring)

IETF 89 - London

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## Administrivia

- Note taker/Jabber Scribe: Need volunteers!
- Blue sheets --- please sign them!
- Agenda Bashing
- Milestones Review



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- Review the rules about disclosing intellectual property as expressed in RFC 3979 and at <a href="http://trac.tools.ietf.org/group/iesg/trac/wiki/">http://trac.tools.ietf.org/group/iesg/trac/wiki/</a> IntellectualProperty.
- spring Process
  - poll authors on their compliance with IETF IPR rules prior to moving a document to the next step in the WG process, e.g., before an individual draft becomes a WG document or a WG document goes to last call



# IETF 89 spring WG Agenda

Administrivia

Chairs 10 minutes

Milestones Review

SPRING Problem Statement and Requirements

http://tools.ietf.org/html/draft-previdi-spring-problem-statement

Clarence Filsfils 10 minutes

Use-cases for Resiliency in Segment Routing

http://tools.ietf.org/html/draft-francois-spring-resiliency-use-case

Pierre François 10 minutes

Segment Routing Architecture (Status Update)

http://tools.ietf.org/html/draft-filsfils-rtgwgsegment-routing

Clarence Filsfils 10 minutes

 Use case for a scalable and topology aware MPLS data plane monitoring system

http://tools.ietf.org/html/draft-geib-spring-oam-usecase

Ruediger Geib 15 minutes

OAM Requirements for Segment Routing Network
<a href="http://tools.ietf.org/html/draft-kumar-spring-sr-oam-requirement">http://tools.ietf.org/html/draft-kumar-spring-sr-oam-requirement</a>

Carlos Pignataro 10 minutes

 Topology Independent Fast Reroute using Segment Routing

http://tools.ietf.org/html/draft-francois-segment-routing-ti-lfa

Pierre Francois 10 minutes

Connecting SPRING Islands over IP Networks
 http://tools.ietf.org/html/draft-xu-spring-islands-connection-over-ip

Xiaohu Xu 10 minutes

Entropy labels for source routed stacked tunnels

http://tools.ietf.org/html/draft-kini-mpls-spring-entropy-label

Kireeti 10 minutes



# spring-related IDs in other WGs

### **AD Guidance**

- "If a SPRING-related draft makes sense in another WG and that WG really wants to adopt, then the WG may do so."
- The draft must also be discussed in spring.
- WGLC must happen in both the adopting WG and in SPRING.
  - WGLC should not happen until SPRING has stable problem statement and architecture docs.
  - There must be an SPRING-adopted use-case that embraces the protocol work.



## **WG Milestones**

#### **Milestones**

- Jul 2014 One or more documents describing SPRING use cases. [IETF 90]
- Nov 2014 Specification of a high-level abstract architecture for SPRING. [IETF 91]
- Dec 2014 Requirements for modifications if any to MPLS architecture to support SPRING use cases.
- Jan 2015 Requirements for modifications if any to IPv6 architecture to support SPRING use cases.
- Mar 2015 Specification of any required new procedures to support SPRING use cases. [IETF 92]
- Jul 2015 One or more data plane extension requirements documents, including documenting the impact on existing deployments of the existing data planes.
- Jul 2015 One or more control protocol extensions requirements documents.
- Jul 2015 Management requirements document. [IETF 93]
- Nov 2015 Specify the OAM mechanisms needed to support SPRING.
- Nov 2015 Document inter-working and co-existence between the new procedures and the existing signalling and routing protocols. [IETF 94]
- Jan 2016 Inter-operability reports pertaining to the implementation of extensions supporting SPRING.
- Feb 2016 Recharter or close WG. [IETF 95]



# Call to Action (1)

## **Use Cases**

- Objective: discuss, adopt, last call and send to IESG for publication \*before\* the next meeting [IETF 90].
- We would prefer a single document.
- Are there more significant use cases?



# Call to Action (2)

## Architecture

## Objectives:

- discuss and adopt an architecture document by the next meeting [IETF 90].
- discuss some more, last call and ask for publication \*before\* IETF 91.
- facilitate requirements to MPLS/IPv6 architectures



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Sri Kini 10 minutes

