



**FLAME**

FACILITY FOR LARGE-SCALE ADAPTIVE MEDIA EXPERIMENTATION

# VRT Service Function Chain

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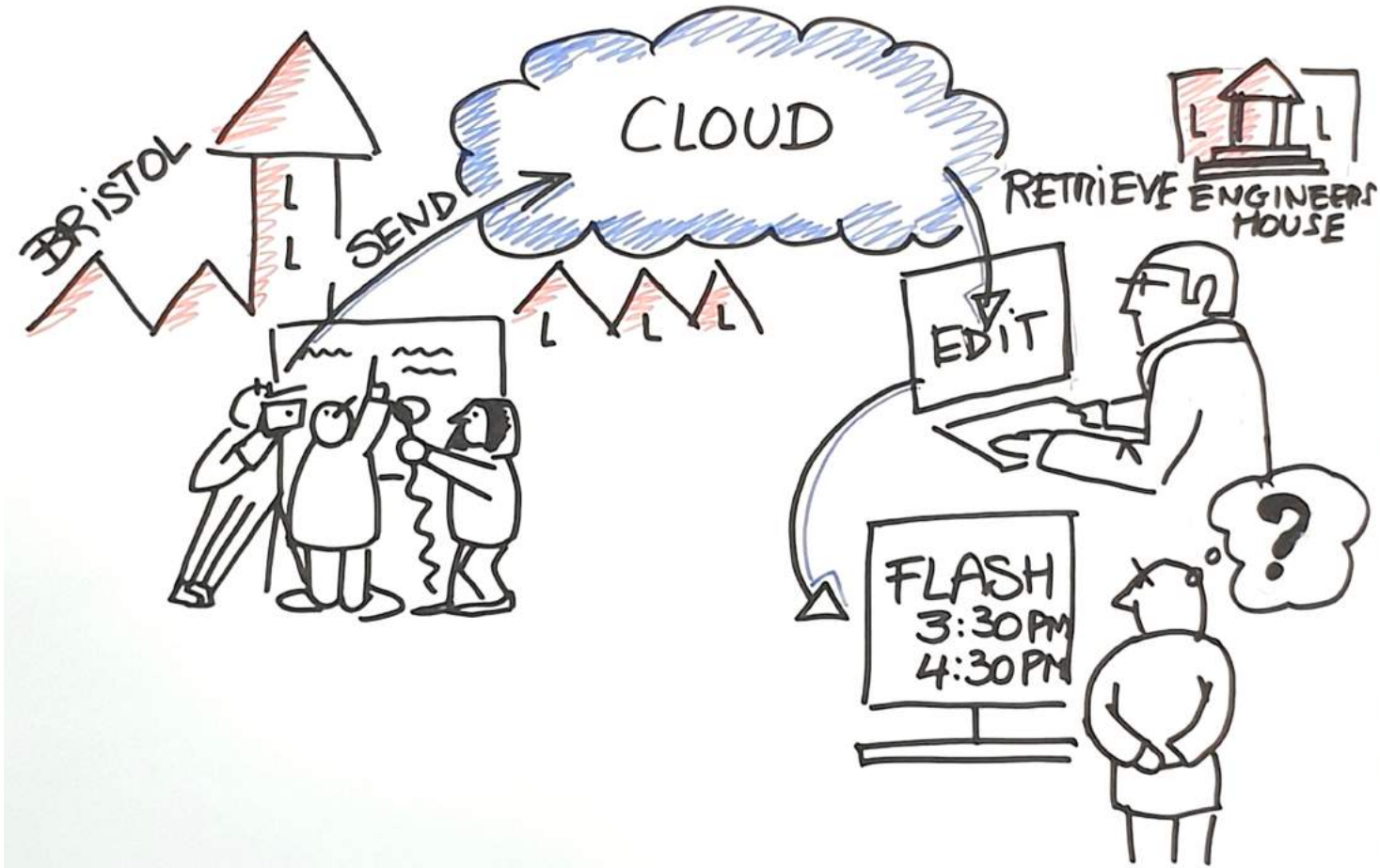
FLAME Summer School

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# Outline

- SFC for Mobile Journalism Application
- Bristol Network Topology and SFC Deployment

# Service Function Chain



# Service Functions I

- Client
  - “Wall of FLAME” app on phone → upload MP4
- Frontend Editors
  - “Wall of Flame” HTML5 application → download MP4
- Video Editor
  - Non-linear video editor of news flash and rendering engine

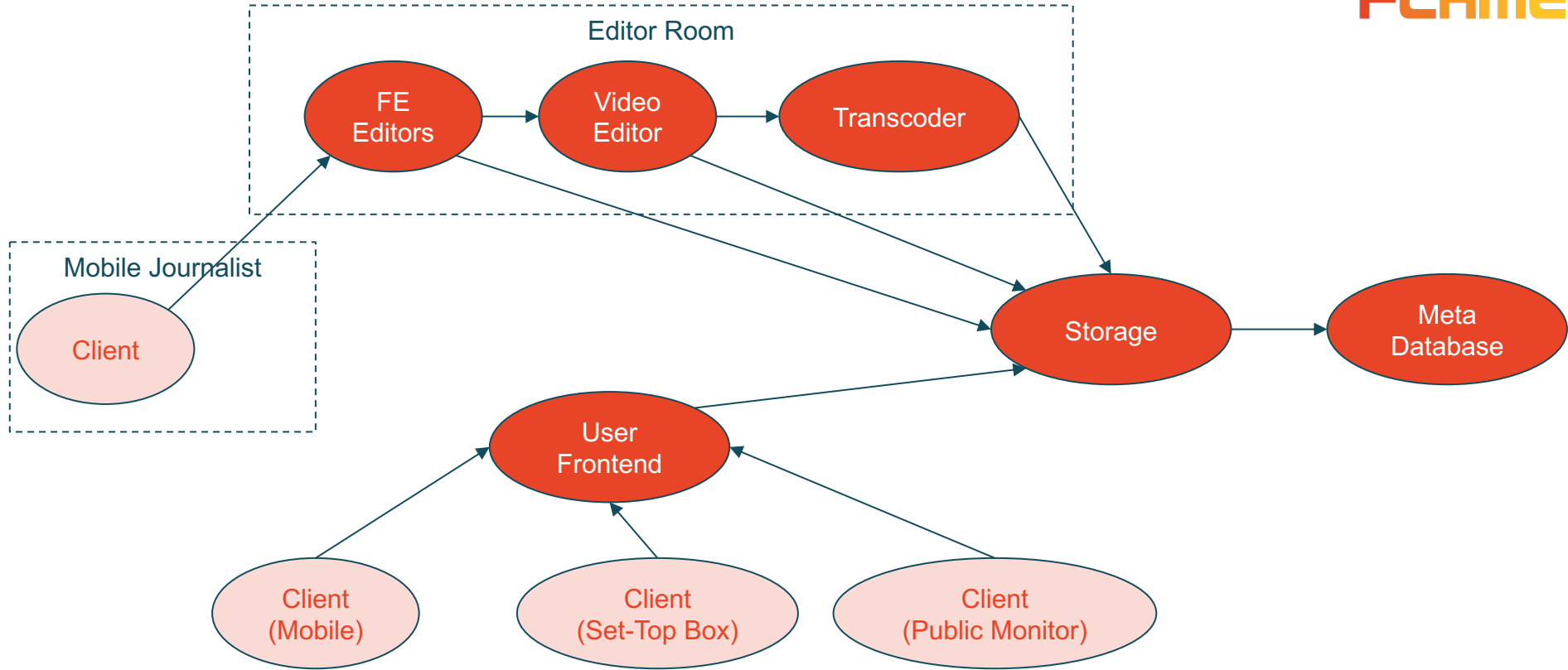
## Service Functions II

- Transcoder
  - Create various formats and qualities of rendered video files
- Storage
  - Store transcoded video files
- Meta Database
  - Contextual information of uploaded files

## Service Functions III

- User Frontend
  - Dynamic HTML5-based web interface to present news flash content
  - Mobile users
  - Set-top boxes
  - Public Monitors

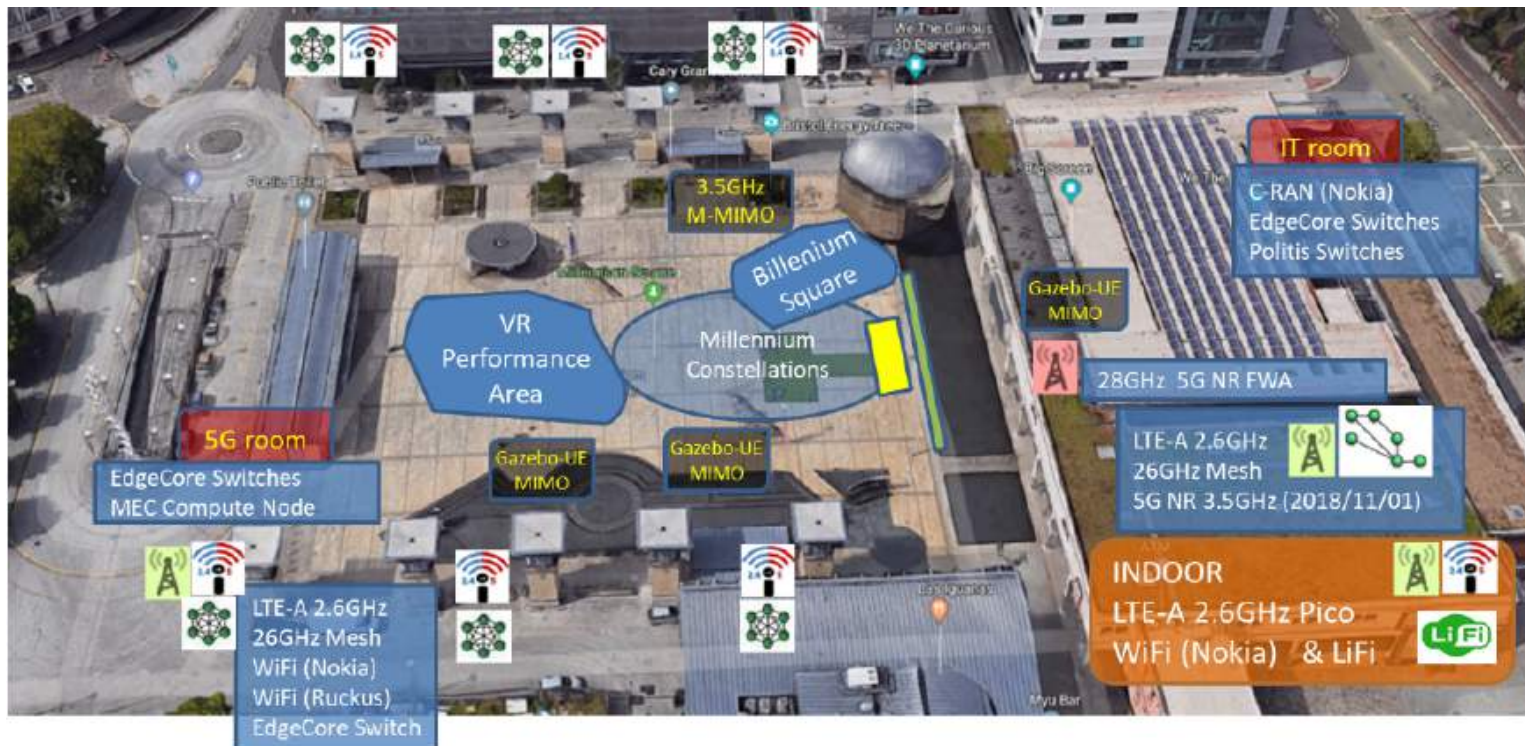
# Service Function Chain



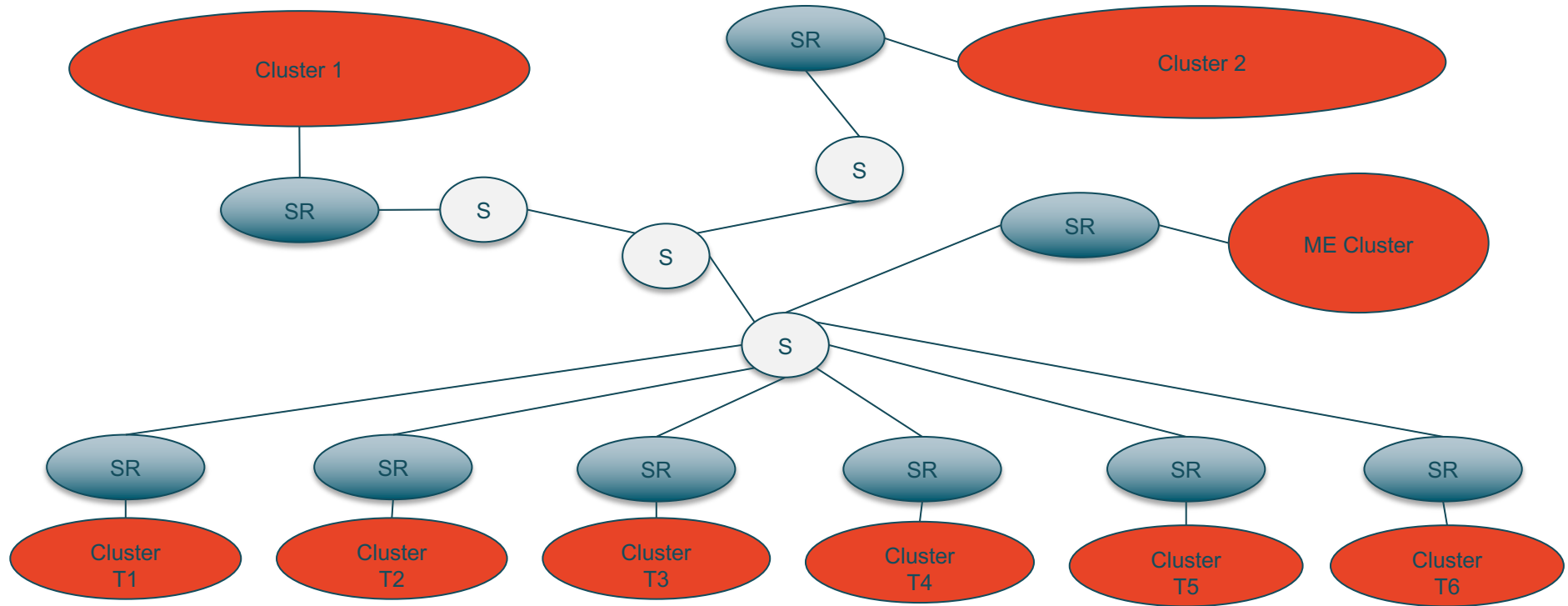


# Network Topology

# User Access Points



# Network Topology



# Network Topology

