# Software *Driven* Networks BoF

IETF 82 Taipei

Lou Berger, Wes George – BoF chairs

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# Agenda

- Administrivia and Agenda Bash (Chairs) [10, 10/120]
- Purpose of the meeting (AD) [5, 15/120]
- SDN Problem Statement and Scenery (Tom/Ping/Dimitri) [15, 30/120]

  draft-nadeau-sdn-problem-statement-01
- Relationship to other efforts -
  - ONF Introduction and Overview (Dave Ward) [10, 40/120]
  - ONF & IETF (Dave Meyer) [10, 50/120]o
- Use cases/Examples
  - SDN: Use Cases and Framework  (Dimitri Stiliadis) [10, 60/120]

    draft-stiliadis-sdnp-framework-use-cases-01
  - SDN Use Case for Bandwidth on Demand Applications  (Shane Amante) [10, 70/120]

    draft-pan-sdn-bod-problem-statement-and-use-case-01
  - SDN Problem Statement and Use Cases for Data Center Applications  (Ping Pan) [10, 80/120]

    draft-pan-sdn-dc-problem-statement-and-use-cases-01
  - Cloud Bursting Use Case  (Dave McDysan) [10, 90/120]

    draft-mcdysan-sdnp-cloudbursting-usecase-00

# Agenda

- – Use case / Scope discussion (Open) [15, 105/120]
- Possible solutions/approaches
  - – Framework for Software Defined Networks  (Tom Nadeau) [0, 105/120]    draft-nadeau-sdn-framework-01
  - – Traffic classification, filtering and redirection for end-system IP VPNs.  (Pedro Marques) [0, 105/120]    draft-marques-sdnp-flow-spec-00
  - – A network operator's perspective (Shin Myung-Ki) [0, 105/120]
  - – Programmatic interface that can be used for VM virtualization  (Ping Pan) [0, 105/120]
- Identifying the work items (Open) [15, 120/120]
- Summary (Chairs/AD) [5, 125/120]

# BoF Objectives

- **Scope of SDN work within IETF**
  - In scope
  - Out of scope
  - SDN vs SDN
    - Name change?
- Gaps, existing solutions
- **Potential WG deliverables**
- Relationship with other groups

# SDN vs SDN

- This is confusing
  - Name change is probably a good idea
- Defined
  - Software/applications and interfaces whose sole purpose is to control a network's data plane
- Driven
  - A software/applications interface for providing a network's control plane with the data plane (service) requirements and for receiving feedback on the service/treatment being delivered

# Scope

**In Scope**

- Your text goes here

**Out of Scope**

- And also here

# Potential WG Deliverables

- This space for rent