Considerations for Benchmarking Service Function Chain
draft-kim-bmwg-sfc-benchmark-00

Taekhee Kim (taekhee.kim@kt.com)
Bummo Koo (bm.koo@kt.com)
Jisu Park (jisu.park@kt.com)
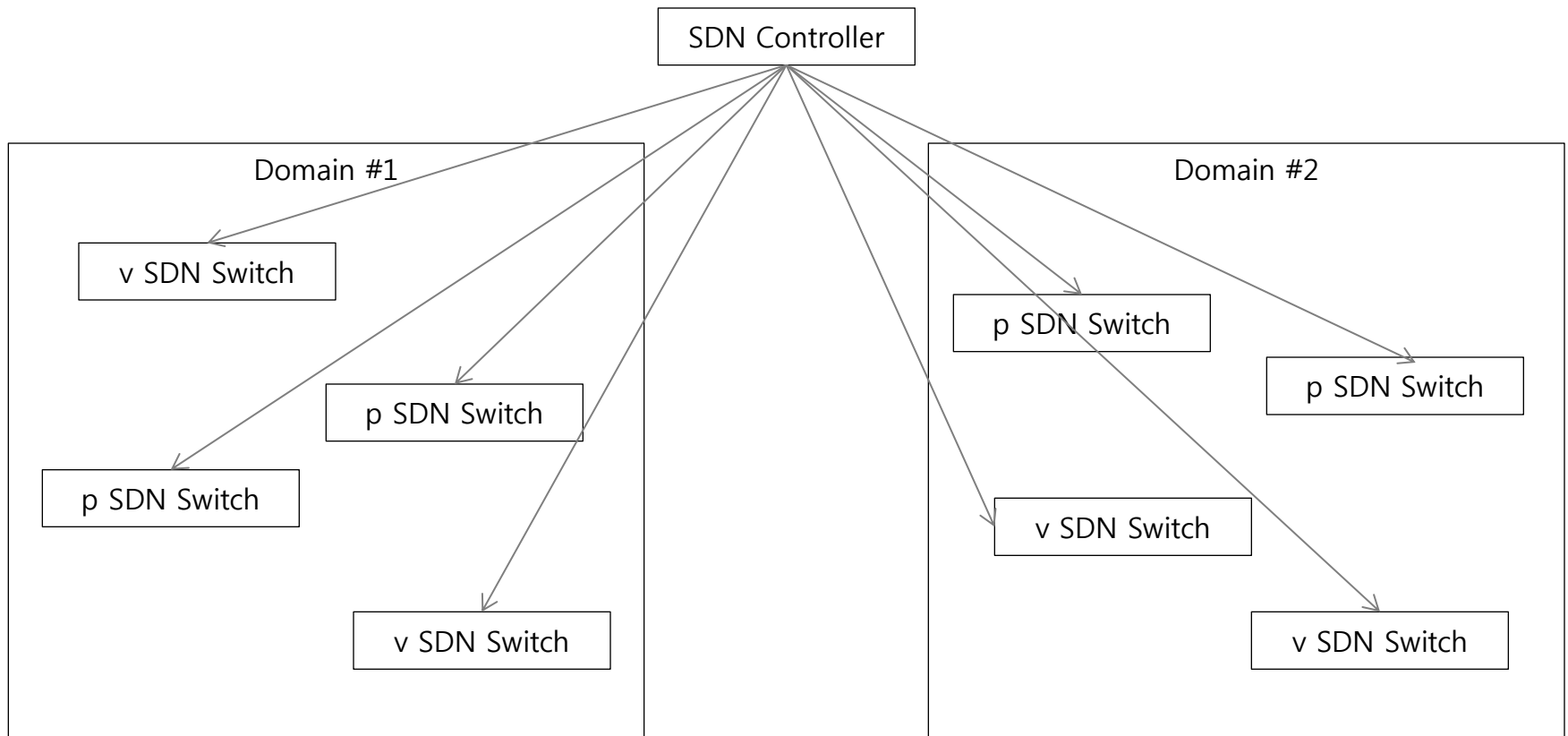Eunkyoung Paik (eun.paik@kt.com)
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Motivation

- Guarantee the reliability of SFC
    - SFC Creation
    - SFC Deletion
    - SFC Modification

Scope

- Multi-domain Network
- Not using NSH

Configuration Parameters for Benchmarking Test

- Types of Switches
  - Virtual? Physical?
- # of switches in the target SFC domain
- The usage of Flow table of the target switch
  - TCAM Usage
  - Flow table entries
- The physical distances btw Controller- Switch
- The traffic loads on the target switch

Testing Parameters
for Benchmarking Test

- "SFC operation must be done at the right time and at right path."

- Rule Activation Time
  - The time interval from the new flow rule setup requests to the time when packets start to flow following the new matched rule.

Thank you