

A Short Introduction to DetNet

Parham Alvani

May 28, 2020

Computer Engineering Department
Prof. Bahador Bakhshi

1 Introduction

1 Introduction

1. Introduction

Goal

Establishes multi-hop paths for characterized flows with deterministic properties:

- Latency Guarantess
- Ultra-Low Packet Loss

Layers

DetNet operates at the IP layer and delivers service over lower-layer technologies such as MPLS and Time-Sensitive Networking (TSN).

Techniques for providing DetNet Qualities of Service: [1]

- Resource Allocation
 - Assigning Resources
- Service Protection
 - Packet Replication and Elimination
 - Packet Encoding
- Explicit Routes



N. Finn et al. *Deterministic Networking Architecture*.

Tech. rep. Oct. 2019. DOI: 10.17487/rfc8655. URL:
<https://doi.org/10.17487/rfc8655>.