

# Flow Table API Cache Enhancements

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# Motivation

- Caches are used in the wild

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- e.g. OVS Datapath is a flow cache / accelerator

- Flow Table API by John Fastabend et al.

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- Supported by Flow Table API

# Caching Tables

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- This proposal



# Table Removal

- Timeouts

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- Timeouts
  - Hard

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  - Hard
  - Soft

# Table Removal

- Timeouts
  - Hard
  - Soft
- Eviction

# Table Removal

- Timeouts
  - Hard
  - Soft
- Eviction
  - e.g. Due to resource contention

# Notifications

- When a flow is removed by subsystem

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- Short

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- When a flow is removed by subsystem
- Short
- Full



# Prototype

- "[PATCH/RFC flow-net-next 00/10]  
Flow Table API Cache Enhancements"

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- "[PATCH/RFC flow-net-next 00/10]  
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- Based on Flow Table API v1

# Questions