



UNIVERSITÄT
PADERBORN

PG-AICON-STORAGE

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Outline

1. Problem statement
2. Current scenario
3. Architecture
4. Proposed scenario
5. Deciding Parameter

Problem Statement

1. Decide on storage applications
2. Model profiling scenarios decide on parameters (e.g., retention time, requests/s)
3. Implement profiling scenarios

Storage Challenges

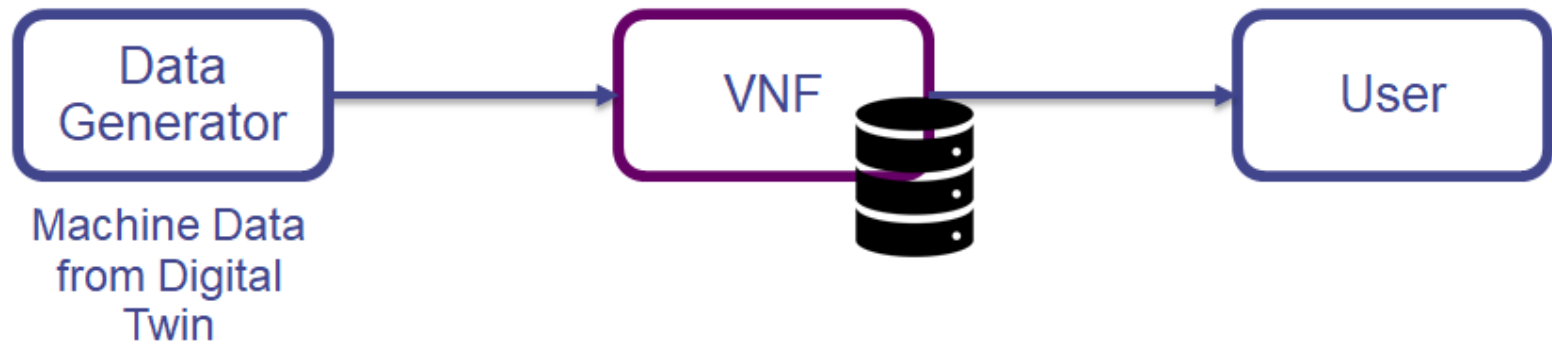
- 1.Memory Bandwidth
- 2.Latency
- 3.Cost Efficiency

Opportunity For storage

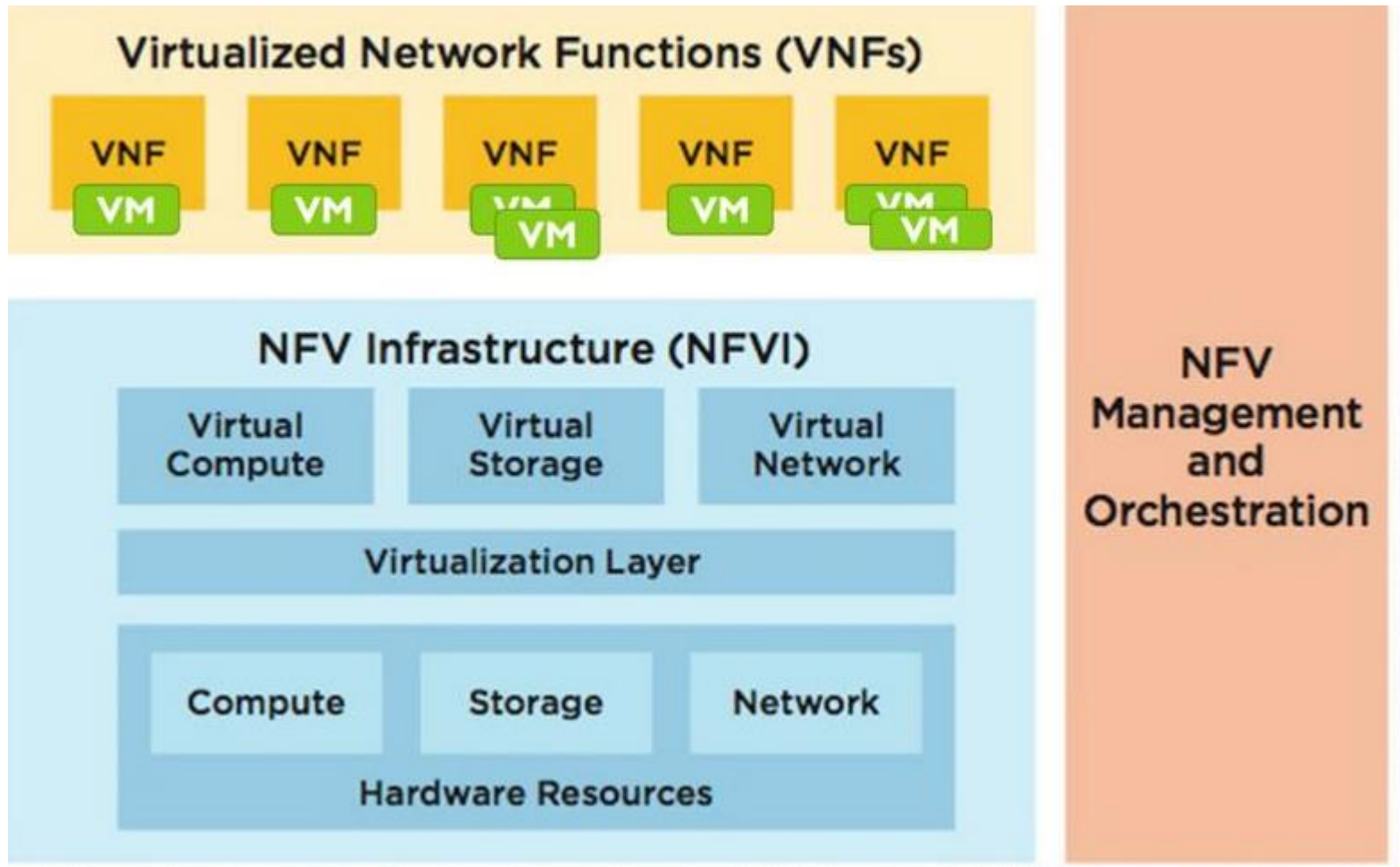
1. Collecting lots of data all time: Training and Inference

Current scenario

VNF uses the technologies of IT virtualization to virtualize entire classes of network node functions into building blocks these building blocks may make a chain together to work, to create communication services.

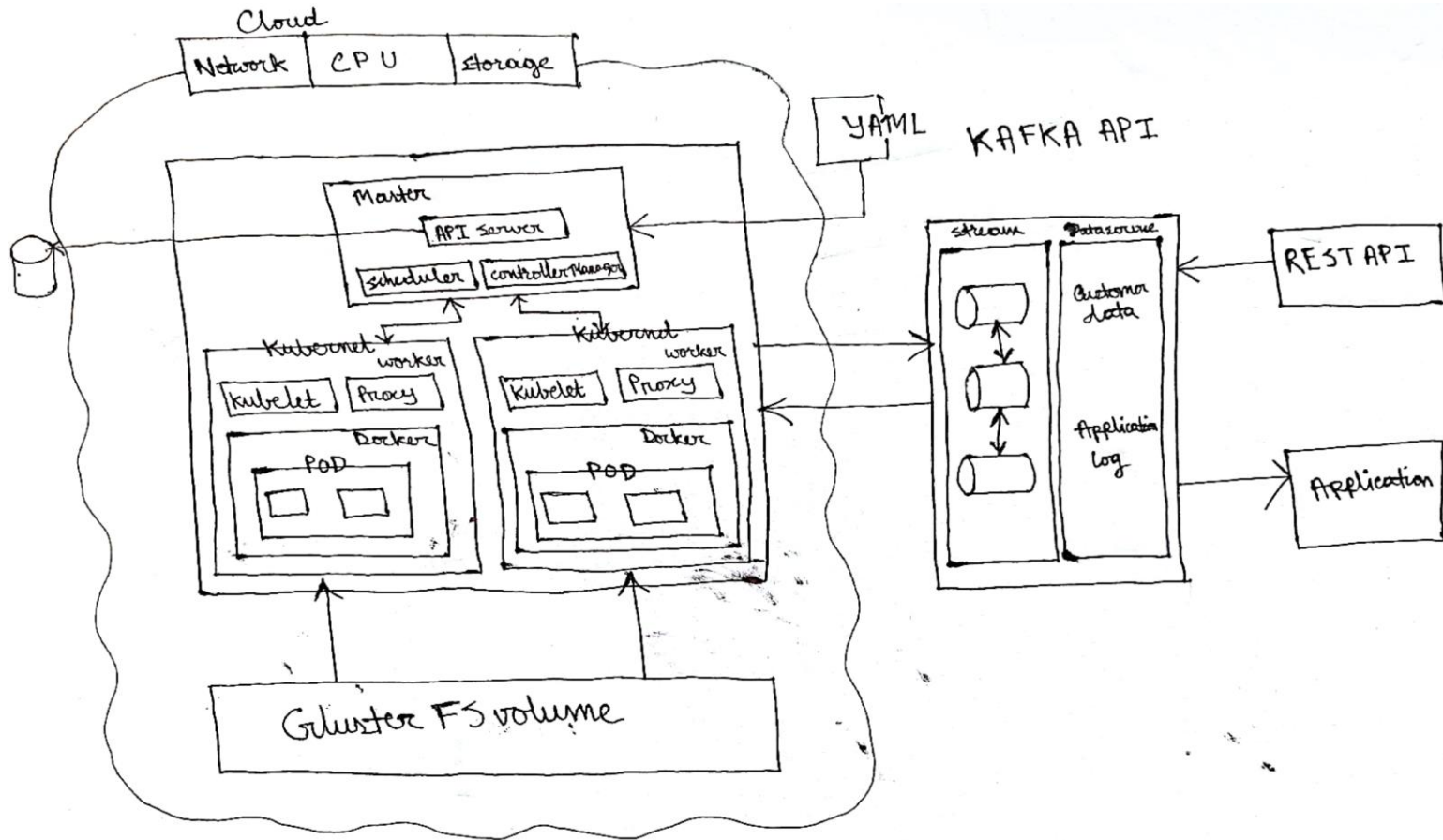


NFV Architecture



Proposed Scenario

- Deciding Parameter is retention time
- Data will be coming in alternative clock cycle.
- After certain period of time data will be moved from input topic to a secondary queue. Again after same time delay the secondary queue messages will be consumed. And will be populated by the new data
- Request will be coming in alternate clock cycle



Thank You