



ERICSSON

IOT, ENTERPRISES AND 5G

ELEVATING POLICY TO THE NEXT STAGE



Policy Control Conference, Berlin, April 4-5 2017




NEW CLASSES OF USE CASES

DRIVE NEEDS FOR EVOLVED POLICY






Massive MTC

SMART BUILDING  **LOGISTICS, TRACKING AND FLEET MANAGEMENT** 

SMART METER  **SMART AGRICULTURE**  **CAPILLARY NETWORKS** 

Critical MTC



TRAFFIC SAFETY & CONTROL  **INDUSTRIAL APPLICATION & CONTROL** 



REMOTE MANUFACTURING, TRAINING, SURGERY 

LOW COST, LOW ENERGY
SMALL DATA VOLUMES
MASSIVE NUMBERS

ULTRA RELIABLE
VERY LOW LATENCY
VERY HIGH AVAILABILITY

Enhanced Broadband

Smartphones  **Home, Enterprise, Venues, Mobile/Wireless/Fixed** 

Non-SIM devices  **4k/8k UHD, Broadcasting, VR/AR,** 

4G

5G

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- B2B/B2B2C, Vertical business
- New business models
- Value chain beyond connectivity
- New deployment models (Platforms, XaaS) and players “GE Digital”
- Drives Network slicing rational & will require “autonomous networks”

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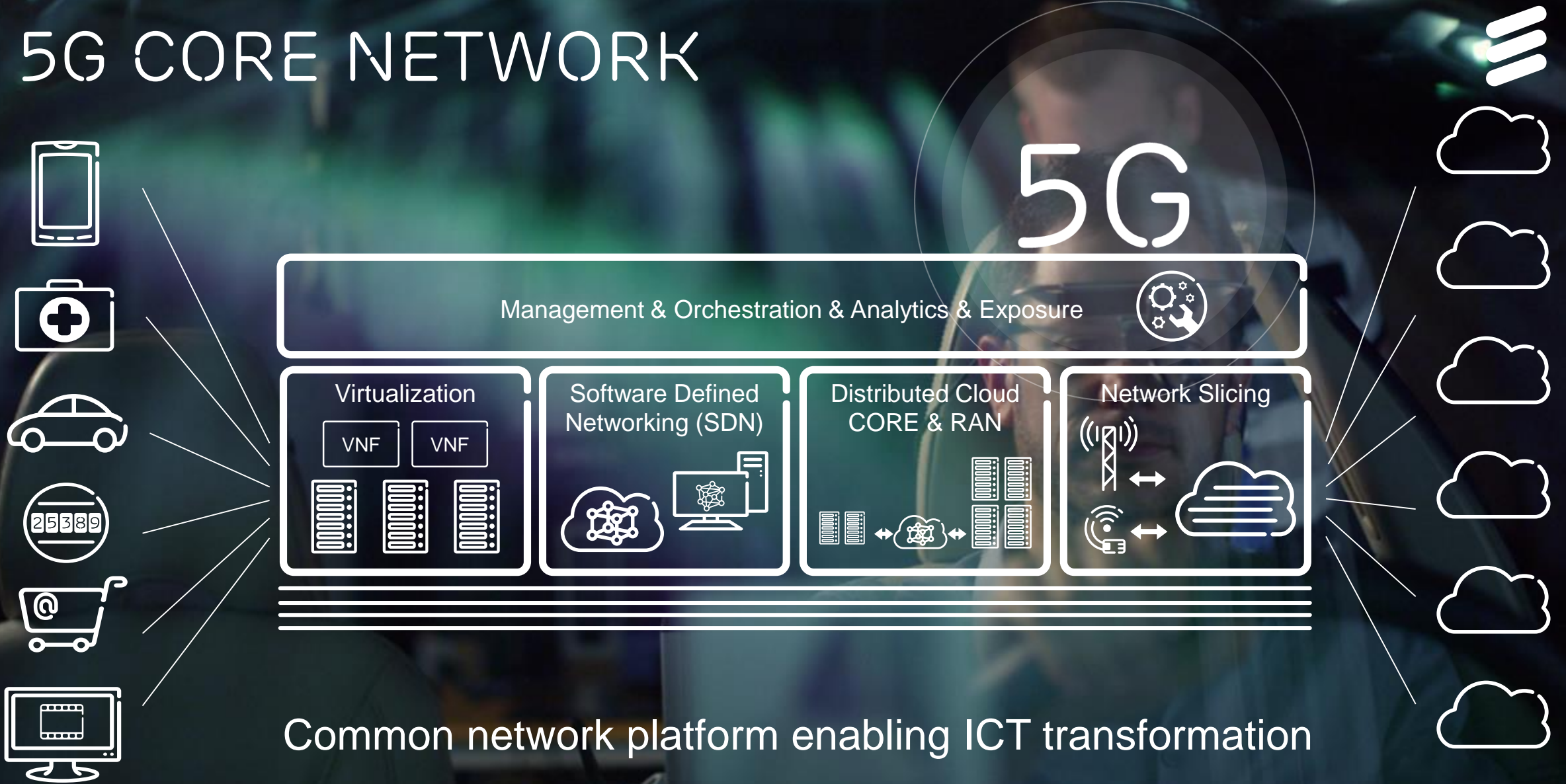
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4G

5G

- Mainly consumer service orientation
- Existing Business Models
- New revenue from FWA & new device types (VR/AR) possibly
- Cost per bit driven

5G CORE NETWORK



WHAT DOES 5G MEAN FOR POLICY?

5G

Network flexibility builds on Policy based Automation

Policy for multiple use cases and business models

Policy provides personalization and flexibility to networking decisions

Policy provides flexibility to adapt to operator traffic distribution needs

Policy to Steer services in sliced networks

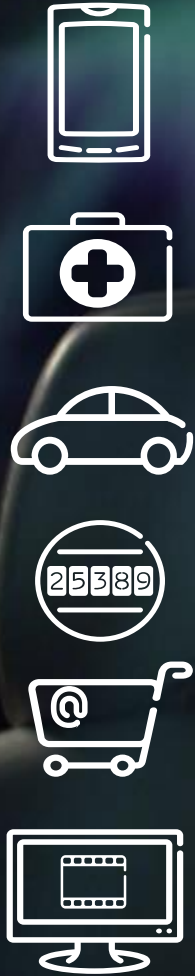
- Policy for Service Management

- Policy for SDN-Service Chaining

- Policy for Edge Computing

- Policy for Slicing

- Evolved Subscriber and Service Profiles
- User, Things and Network Contextual Awareness (Analytics)



MAIN ROLES

Monetization

- › Implement the new services offerings for Consumers , IoT and Industries

Customer Experience Management

- › Manage the ambitious performance and security targets of the hyper connected society

Efficient Resources in Virtual Operating Nw

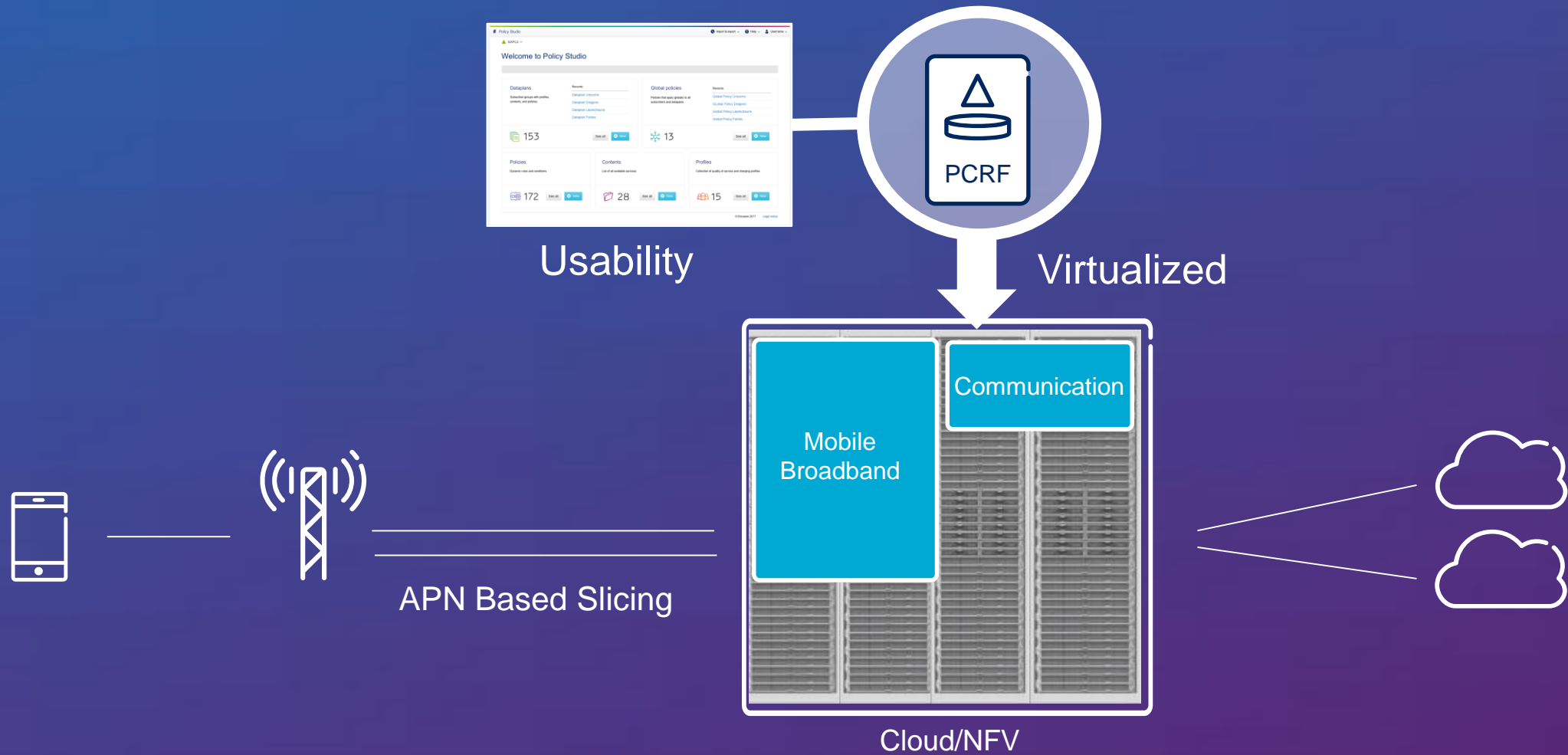
- › Cost efficient deployments of Network slices



EVOLVED
POLICY

STARTING POINT

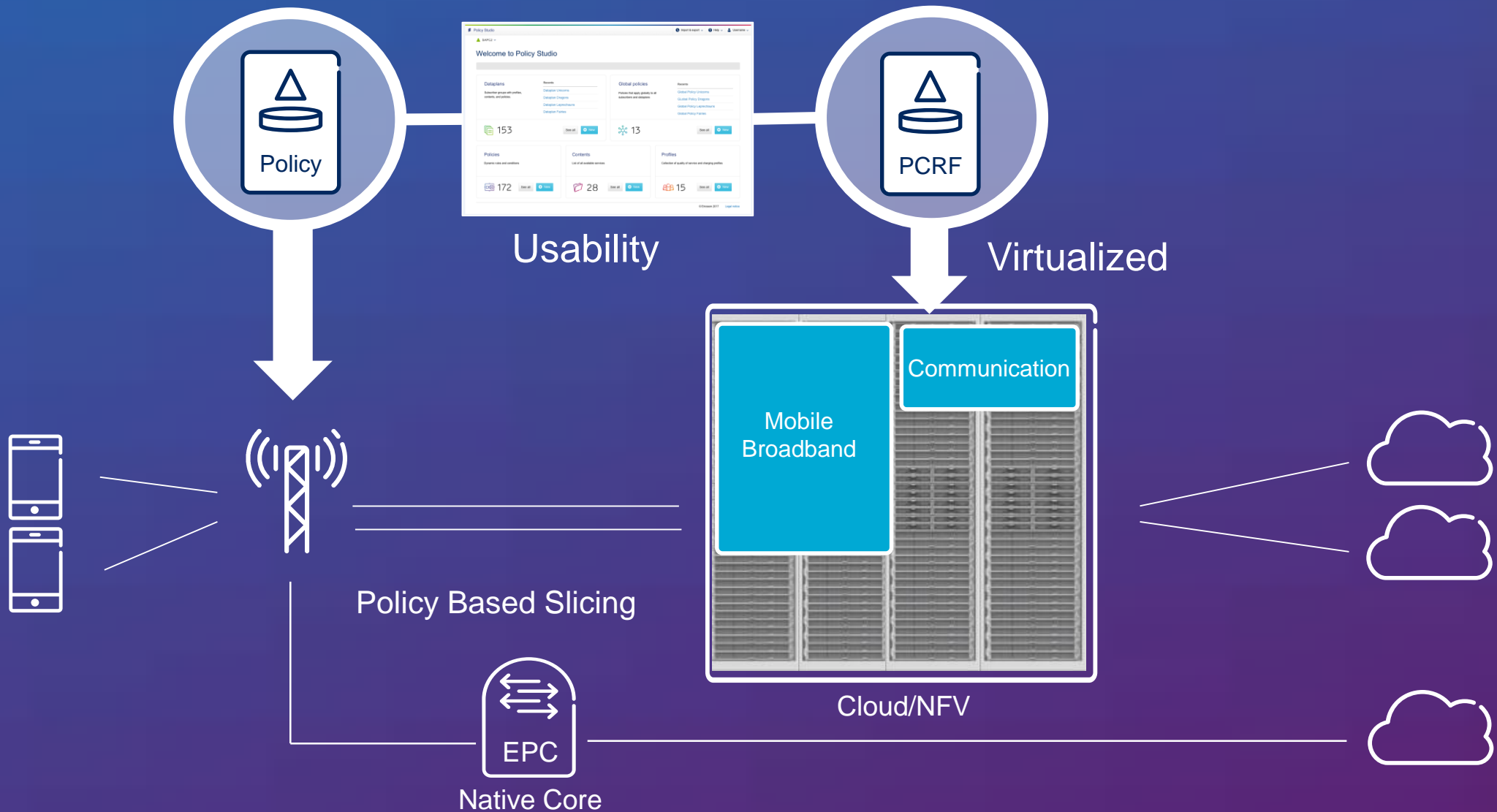
Virtualizing the PCRF – Available Today



Focus on Usability to lower TTM and reduce the time to service configurations

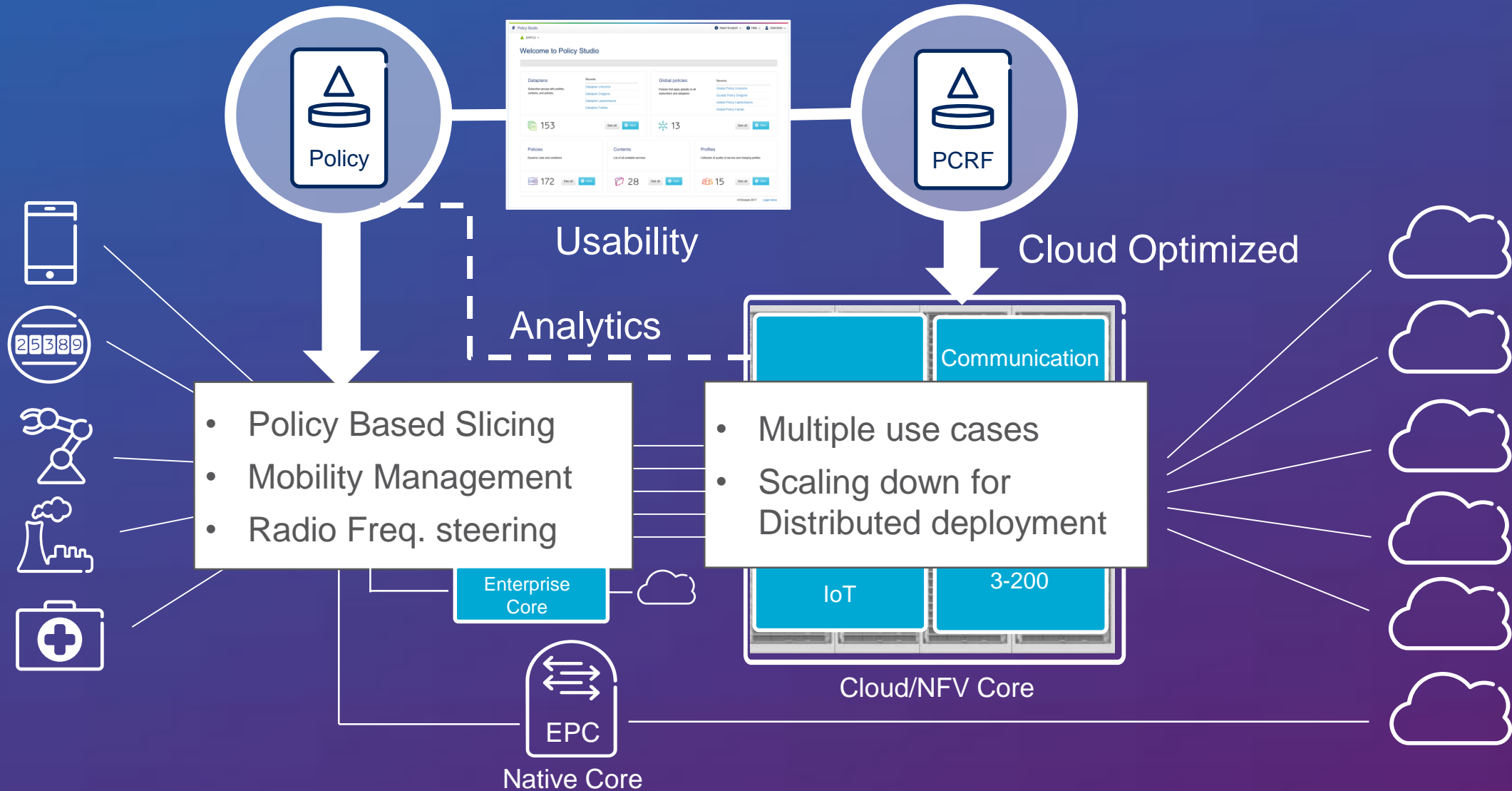
STARTING POINT,

Virtualizing the PCRF and Policy for Slicing

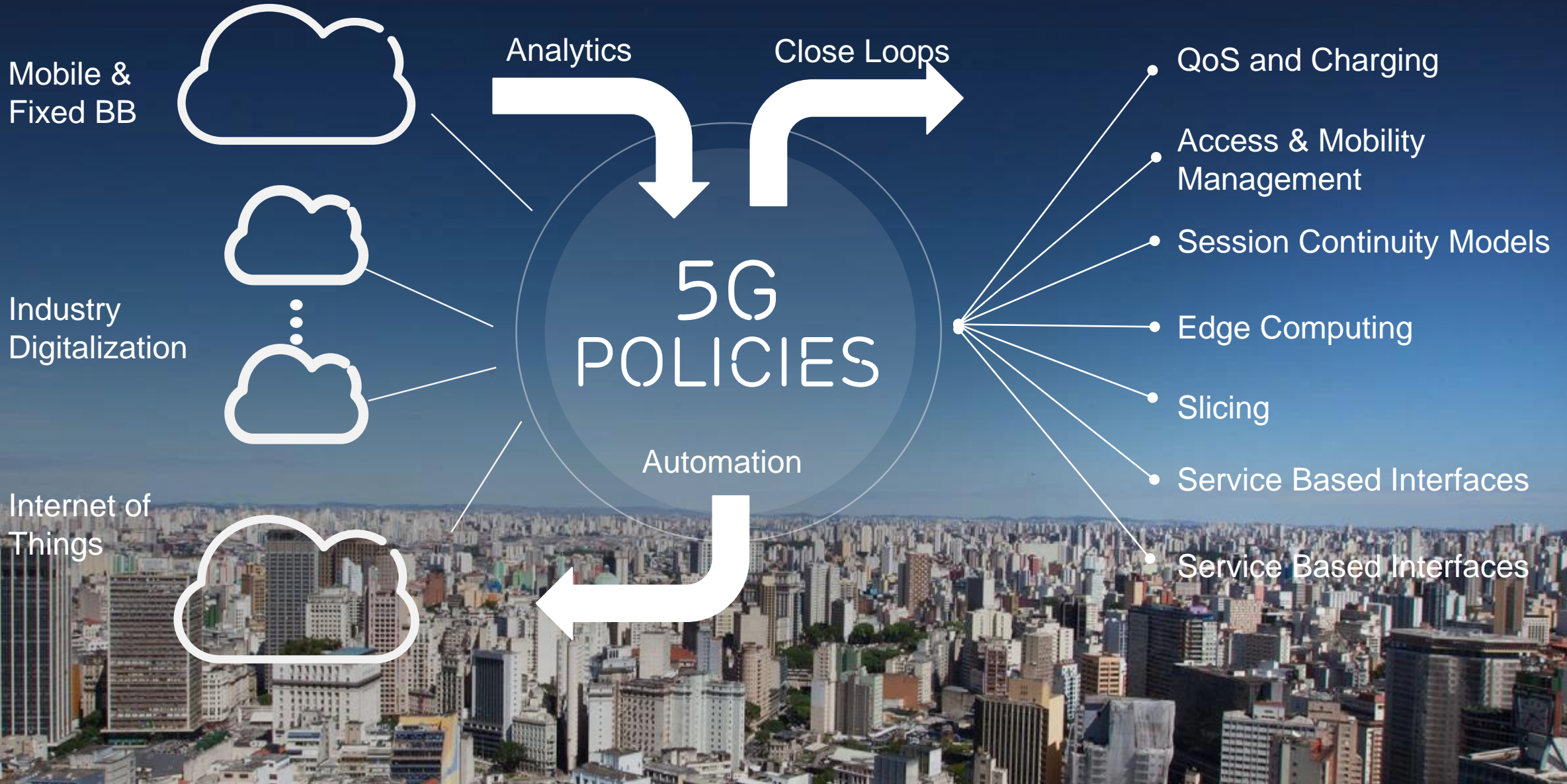


TOWARDS 5G

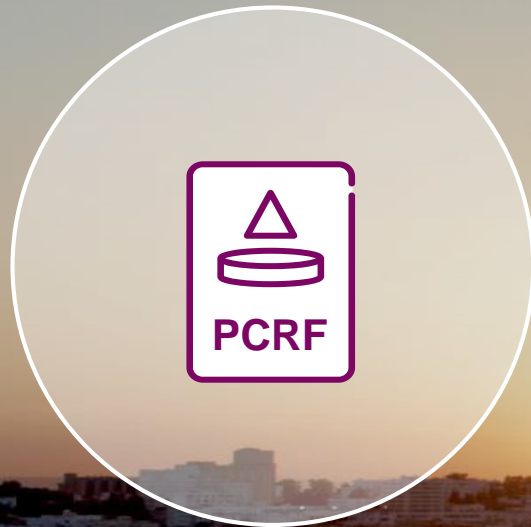
Understanding the 5G Policy Needs, Operations, Roles, Needs



5G POLICY MANAGEMENT



SUMMARY



Centralized Deployment
3GPP PCRF Centric
Adaptable

Flexible & Elastic Deployments, Usability
New roles, new areas
Adaptive



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