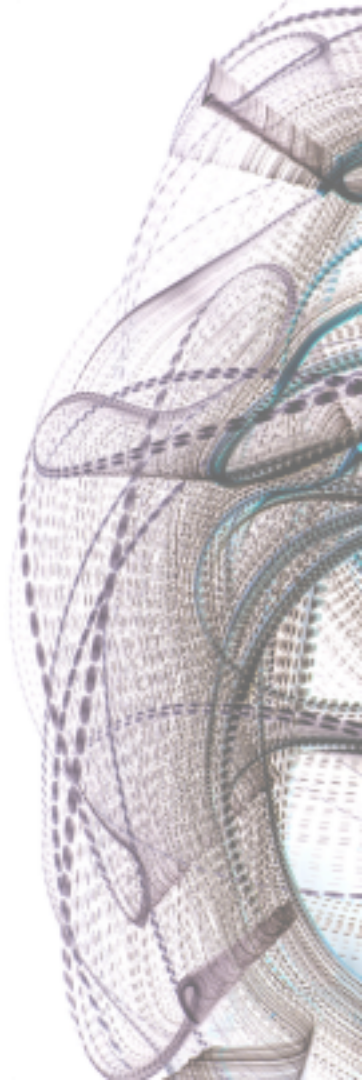# Blockchain

Impact on the Network

Javier Antich. Product Line Manager
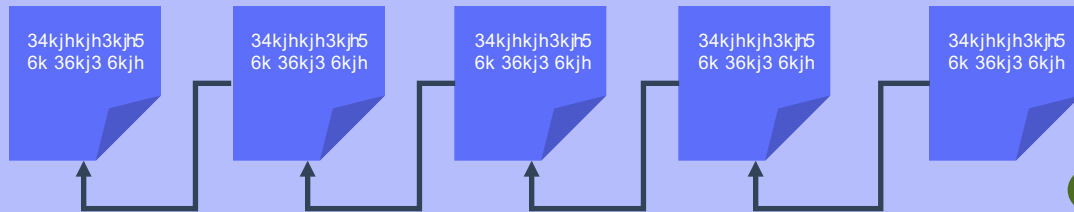
April 2018

LEGAL DISCLAIMER

This product roadmap sets forth Juniper Networks' current intention and is subject to change at any time without notice. No purchases are contingent upon Juniper Networks delivering any feature or functionality depicted on this roadmap
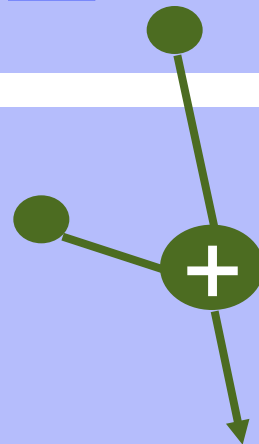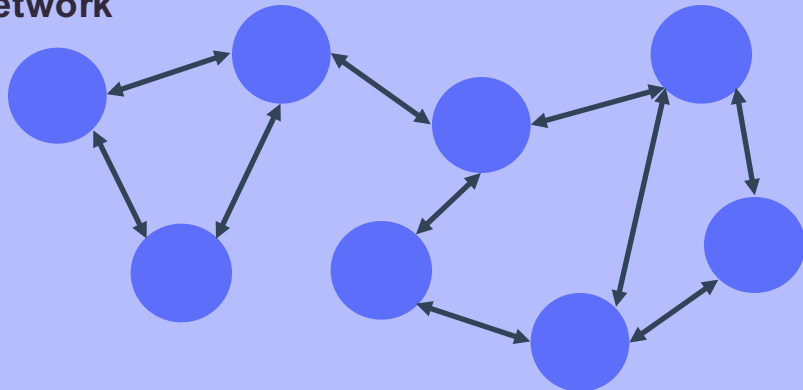
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BLOCKCHAIN

The chain

34kjhkjh3kjh5
6k 36kj3 6kjh

34kjhkjh3kjh5
6k 36kj3 6kjh

34kjhkjh3kjh5
6k 36kj3 6kjh

34kjhkjh3kjh5
6k 36kj3 6kjh

34kjhkjh3kjh5
6k 36kj3 6kjh

- Immutable
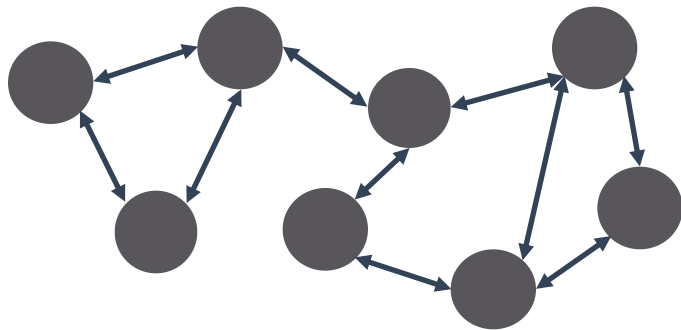- Strong cryptography.
- Multipurpose
- Registers "transactions"

The Network

- Decentralized
- Consensus
- Proof of work/stake/…
- Incentives

Enabler for decentralized business models

DECENTRALIZED IT SERVICES BASED ON BLOCKCHAIN

- Content services
- Storage as a Service.
- Platform as a Service
- Infrastructure as a Service
- Face Recognition as a Service
- Control plane for SD-WAN
- …

Cloud

Edge Computing

Decentralized blockchain enabled services

Decentralization/disintermediation
Asset mobilization
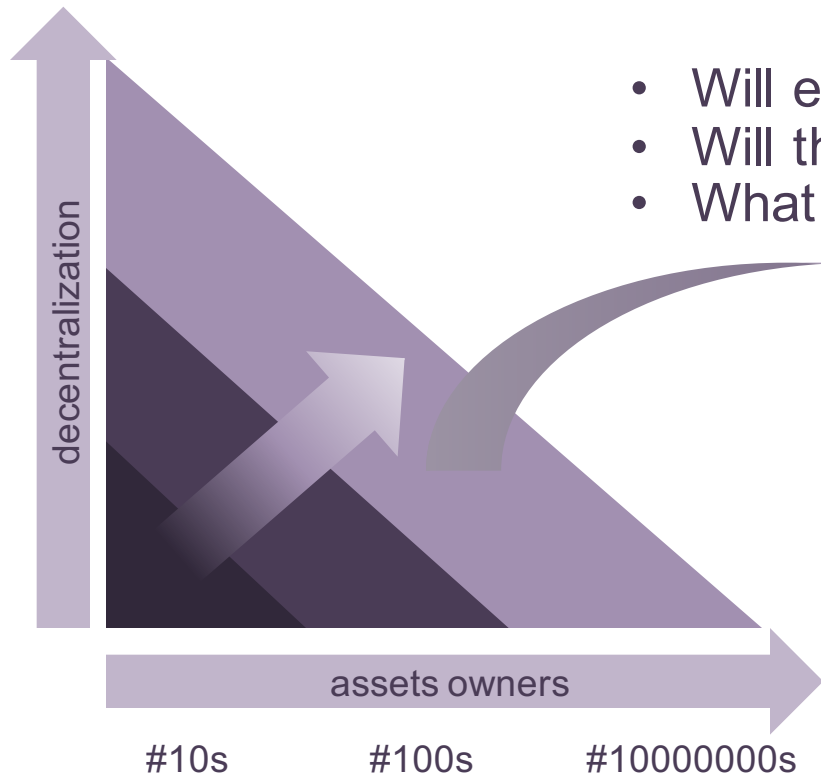Control (by user)
Lower cost ("good enough"?)

MEC
5G/low latency
Content efficiency
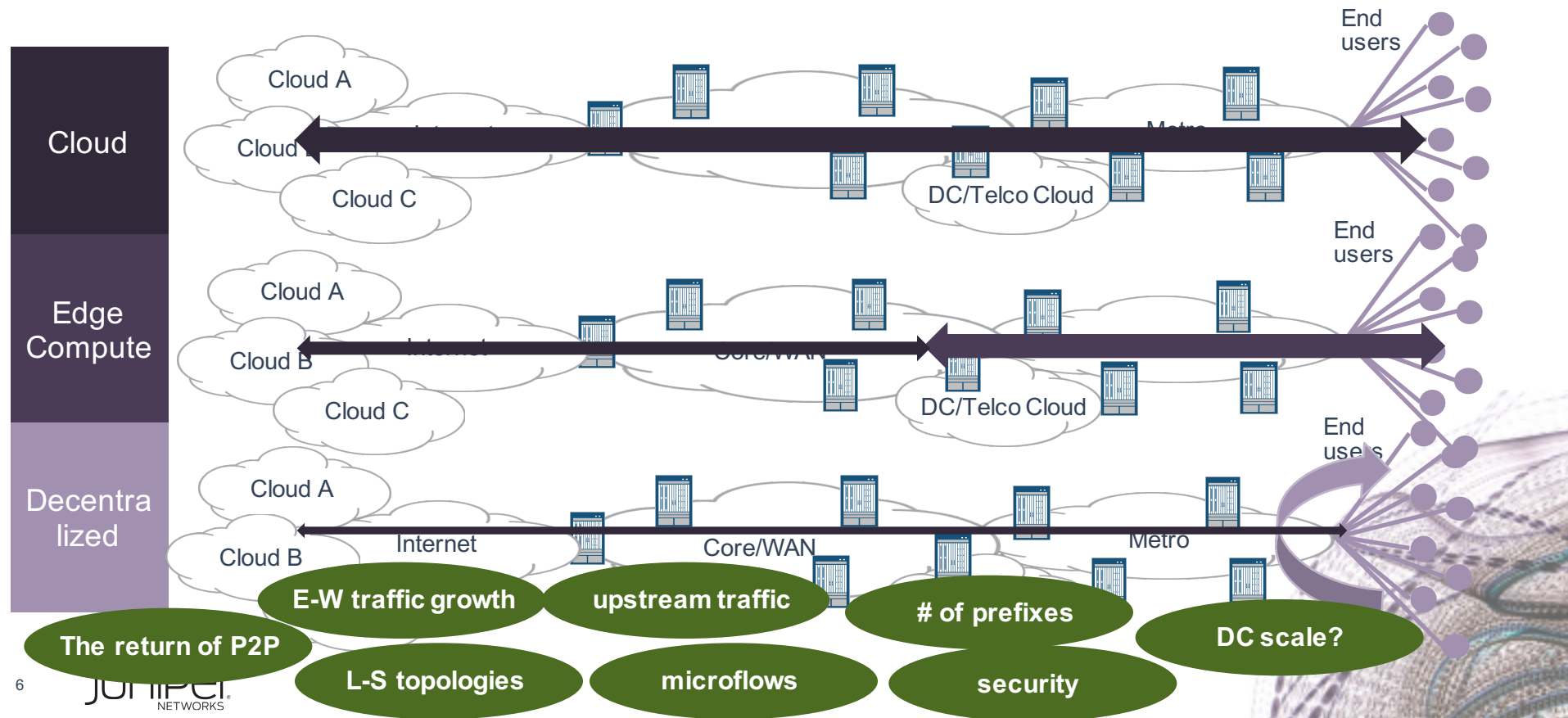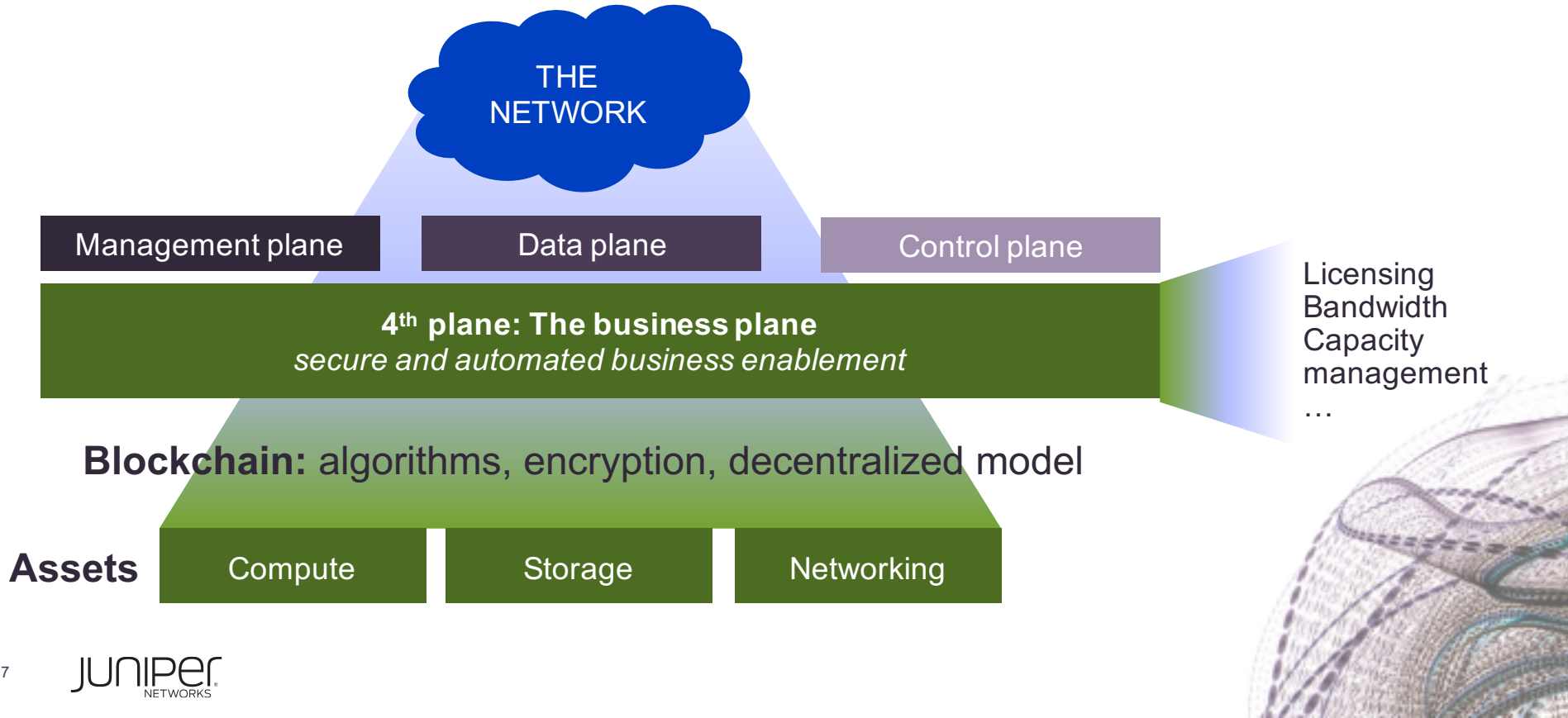
Hyperscale Web 2.0

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WHO OWNS WHAT

- Will existing services be disrupted?
- Will this apply to new services?
- What level of penetration/impact?

decentralization

assets owners

#10s   #100s   #10000000s

THE NETWORK

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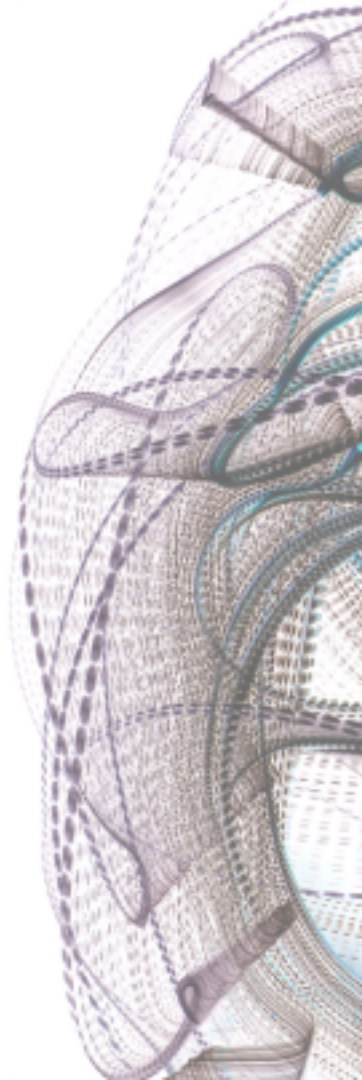
NETWORK INFRASTRUCTURE IMPACT

THE RISE OF THE 4TH PLANE

SUMMARY

- No doubt Blockchain technology will generate opportunities.
- In IT: enabler for decentralized services.
- **IF** succeeds it will have strong impact on how we build networks.
- The rise of the 4th plane: Business plane.

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THANK YOU.