The logo for NLLIX is rendered in a bold, sans-serif font. The letters 'N', 'L', and 'I' are solid black. The letter 'L' is solid black. The letter 'I' is solid black. The letter 'X' is formed by two overlapping, semi-transparent black shapes that create a central white void, giving it a dynamic, geometric appearance. The entire logo is centered horizontally.

NLLIX

SOVEREIGN INTERNET

Powered by Elastic Interconnect

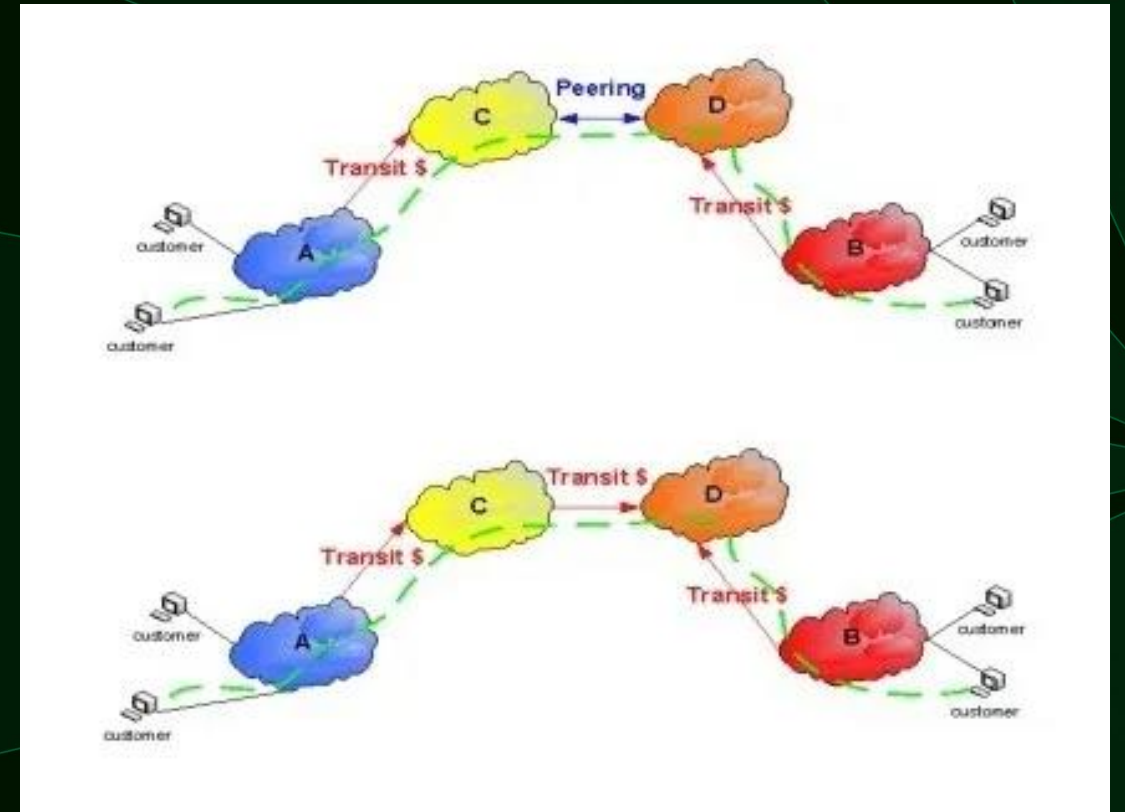
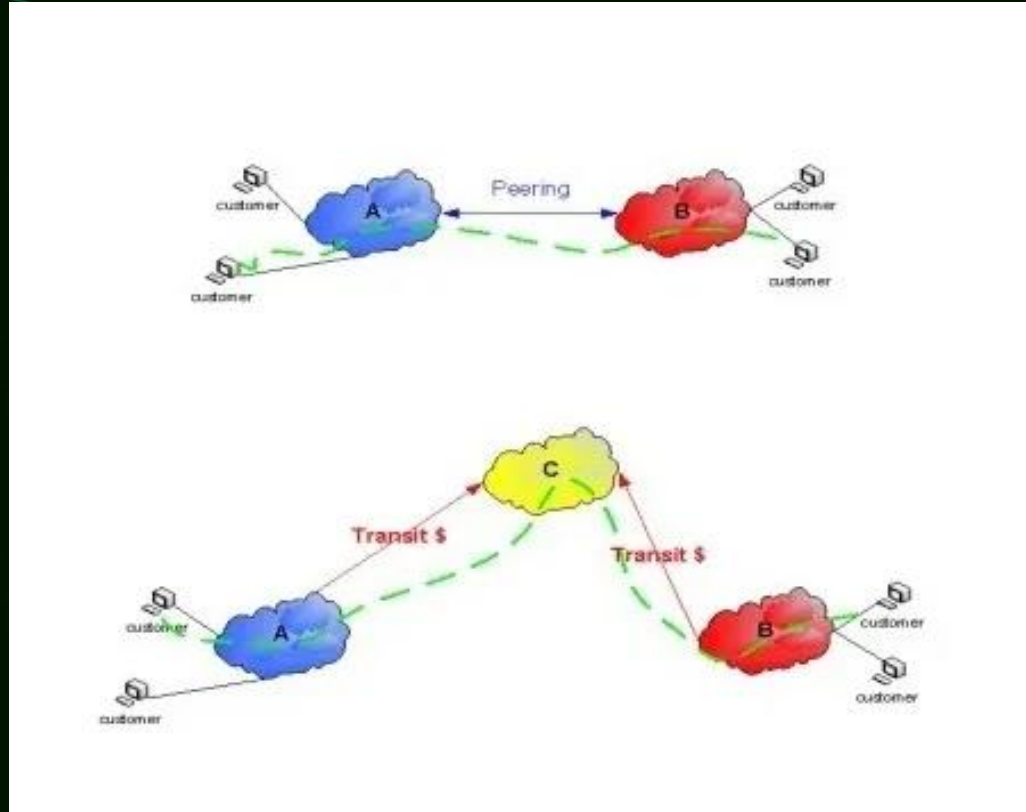
SOVEREIGN INTERNET

“You select your clouds. We secure the path to the cloud.”

NLIX



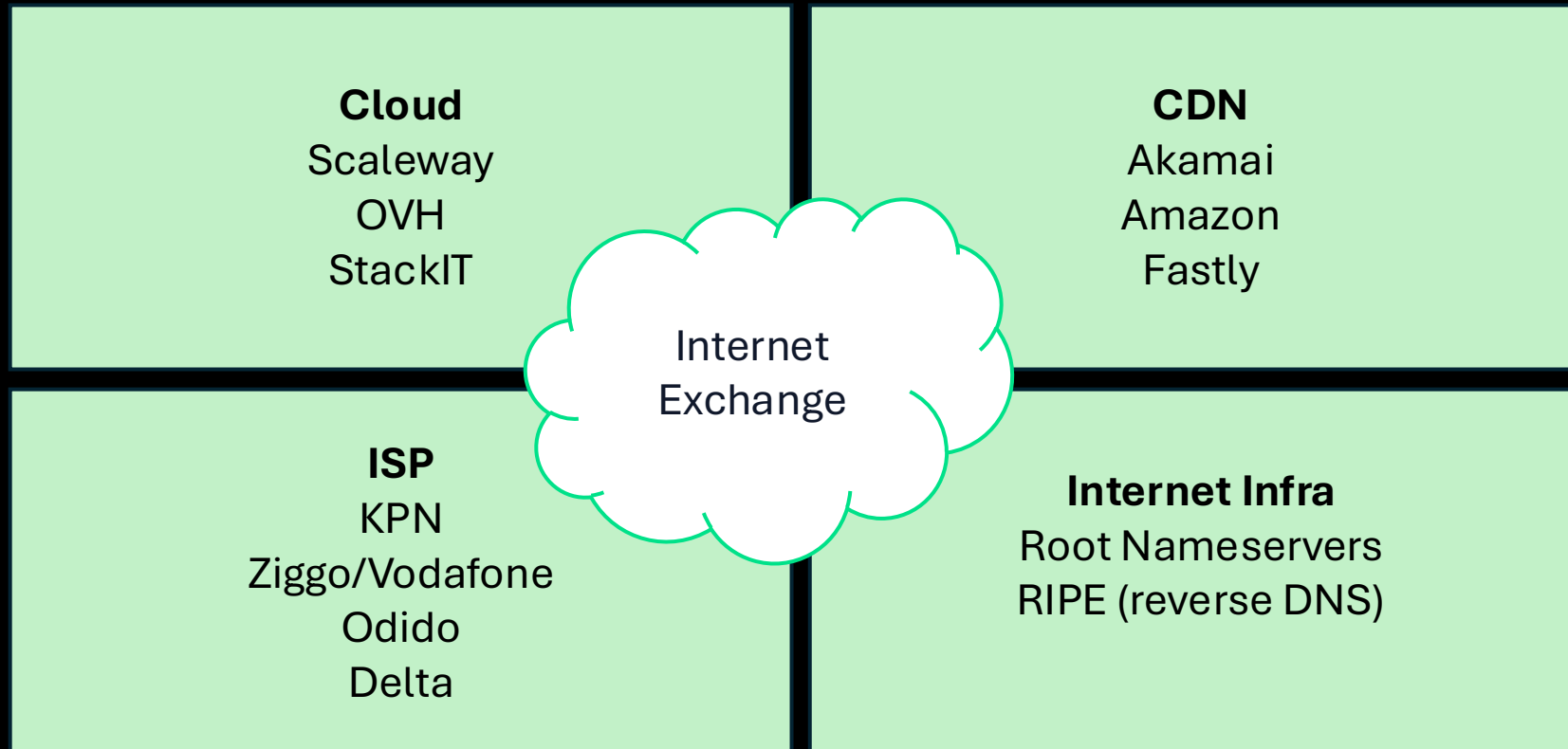
Internet: Peering vs Transit

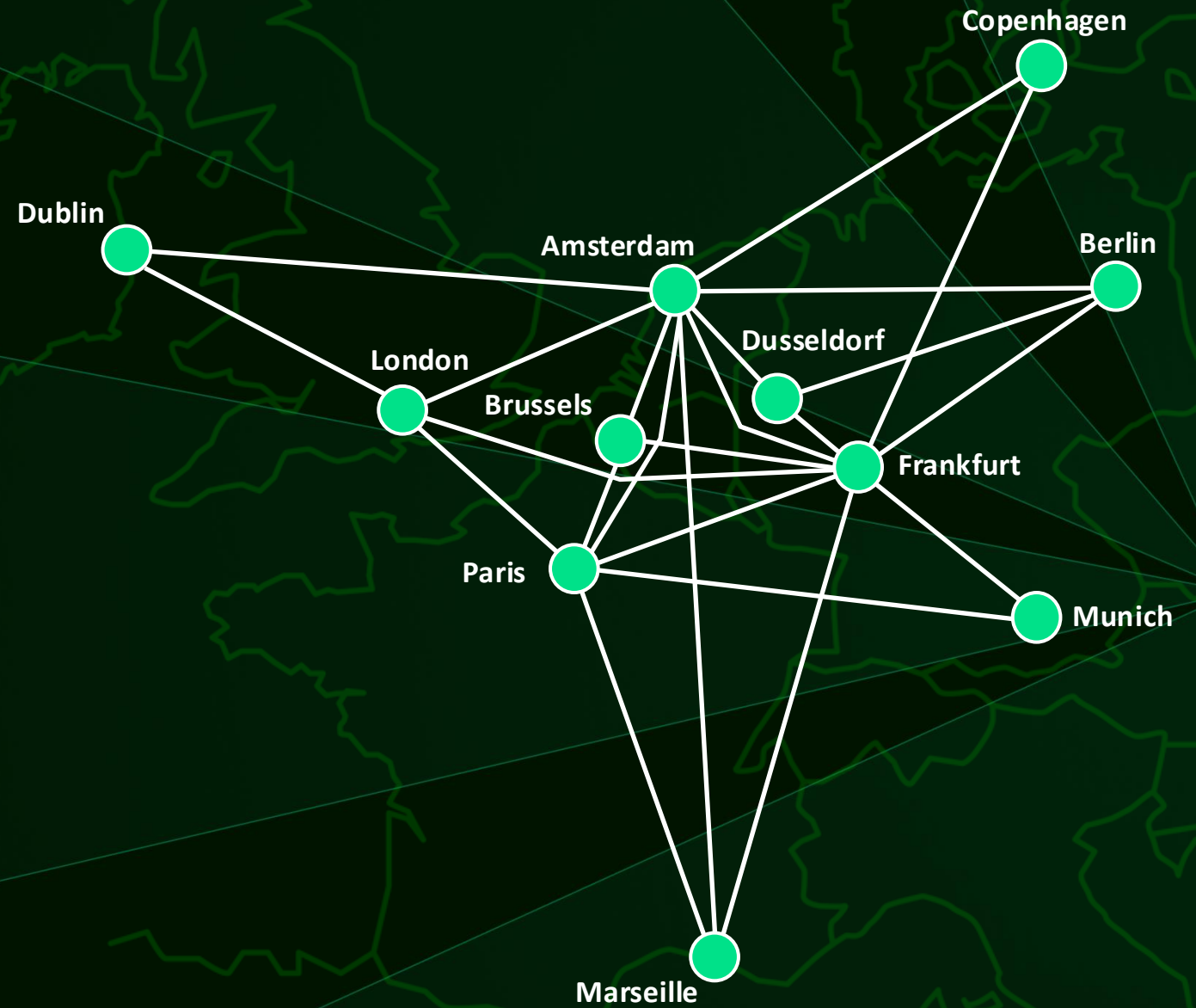


* Credits to ARS Technica



Internet Exchange: who is relevant for Contribution & Distribution





Connected Networks

Locations

16

Traffic Peak

12.27 Tb/s

Networks

739

*Status per Apr.2026, check www.nl-ix.net for latest status



Digital Sovereignty:

Data residency:

Data is stored and processed within a specific geographical boundary and jurisdiction.

Operational control:

Operations and infrastructure are managed under the legal jurisdiction of the host country or region.

Legal protection:

Guarantees that data is not subject to foreign government access or surveillance.

Independence:

Aims to provide autonomy and independence from external influence and foreign legal interference.



Digital Sovereignty isn't something you simply have or don't have
it's something you **right-size**, layer by layer, **choosing** where you need control, where you
accept reliance, and where resilience matters most.



The Business scope of 'Cloud' is more than Workloads



Web



Users



Applications



Partners



Workloads



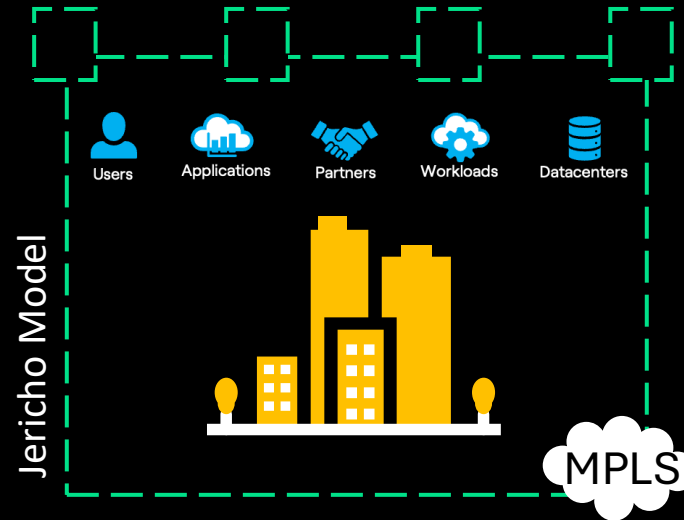
Networks



Datacenters



Corporate Backbone: On-premise



- + **Sovereign**
- + Perimeter security
- + Control
- + Insight
- + SLA
- Expensive
- Inflexible



Business IT moves to the Cloud

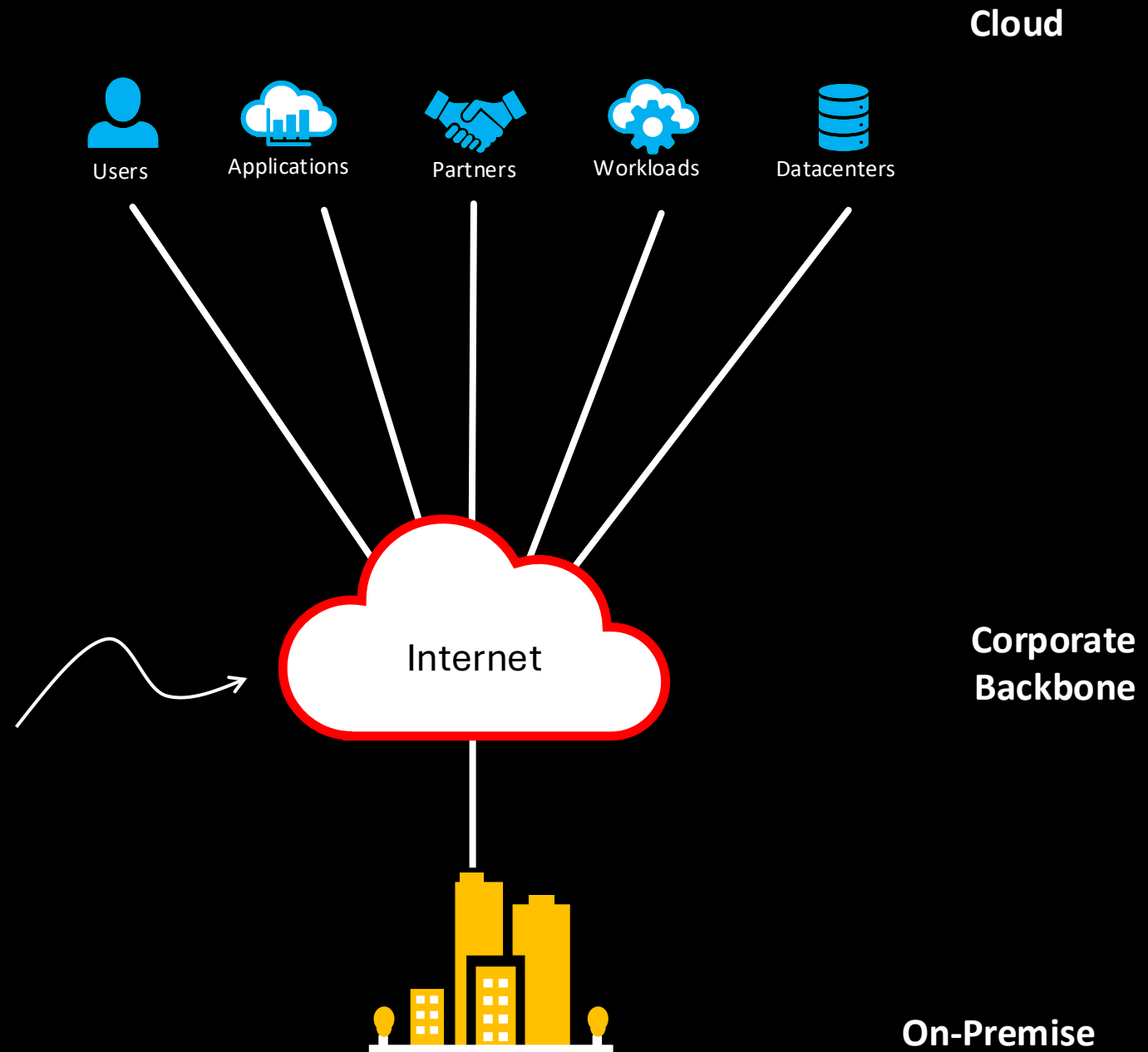
But... concern increases about **Digital Sovereignty** in the Cloud

Enterprises are increasingly moving towards **more sovereign cloud solutions**

Sovereign Cloud and On-Premise are connected via **Internet**

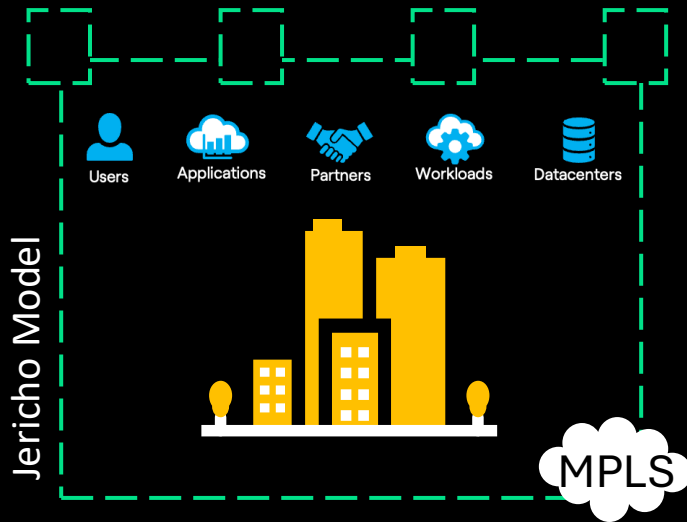
Internet is the new **Corporate Backbone**

... but how **sovereign** is that Internet?

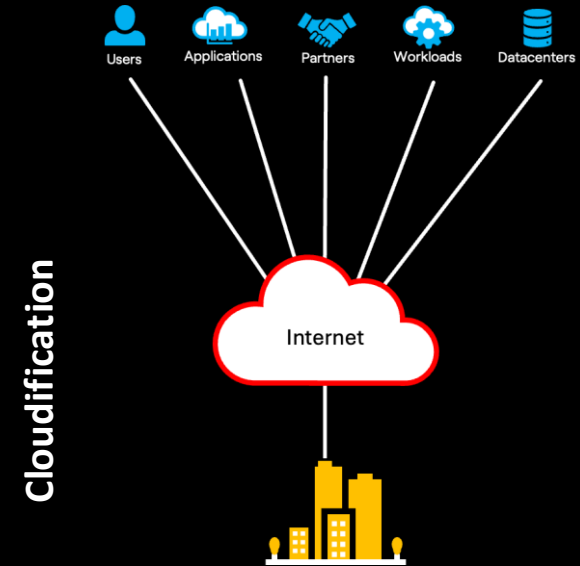




Corporate backbone: from On-premise... to Internet



- + **Sovereign**
- + Perimeter security
- + Control
- + Insight
- + SLA
- Expensive
- Inflexible



- **Non Sovereign**
- Fragmented security
- Control
- Insight
- Best effort
- + Cost efficient
- + Flexible



Business IT moves to the Cloud

But... concern increases about **Digital Sovereignty** in the Cloud

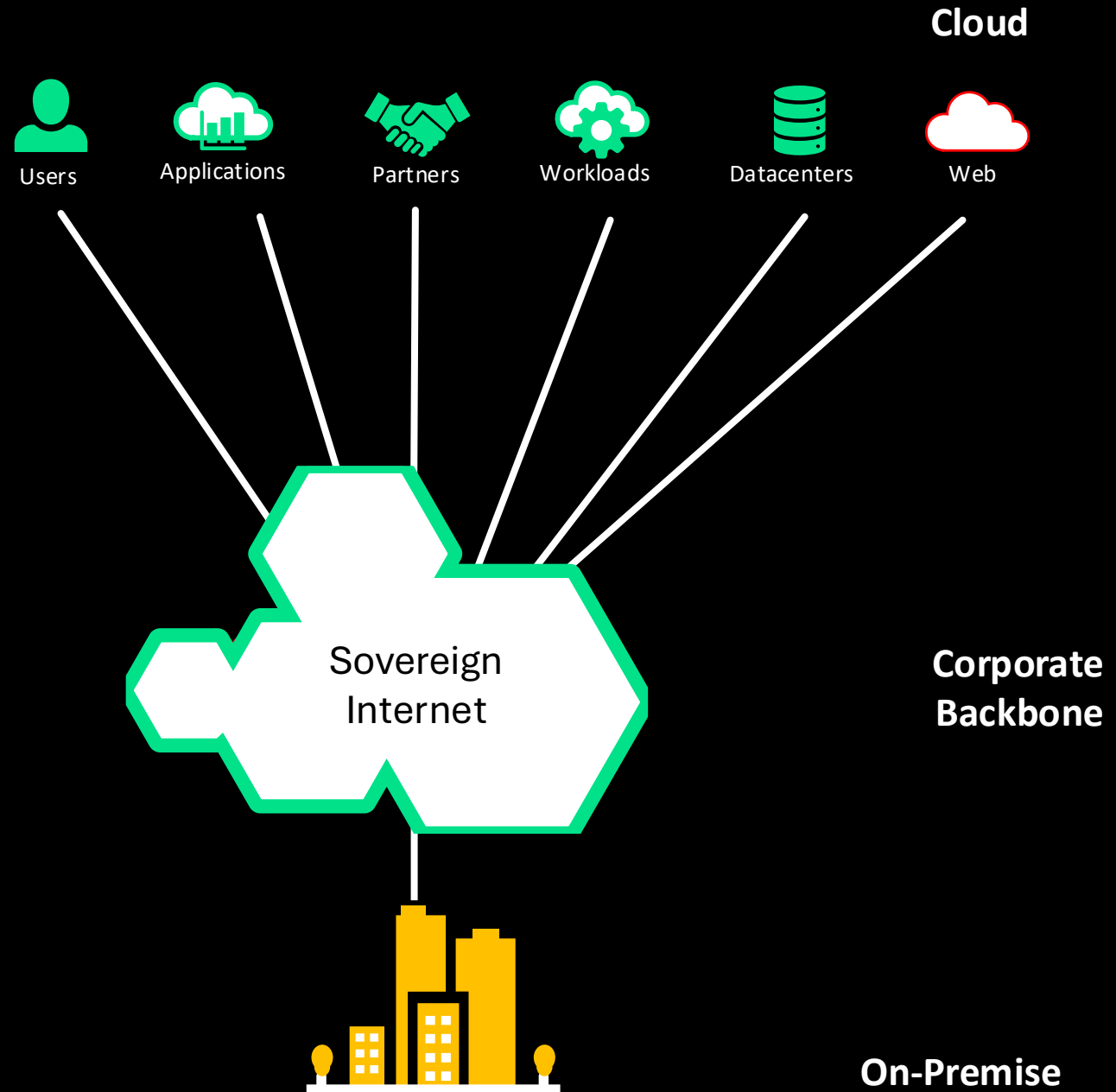
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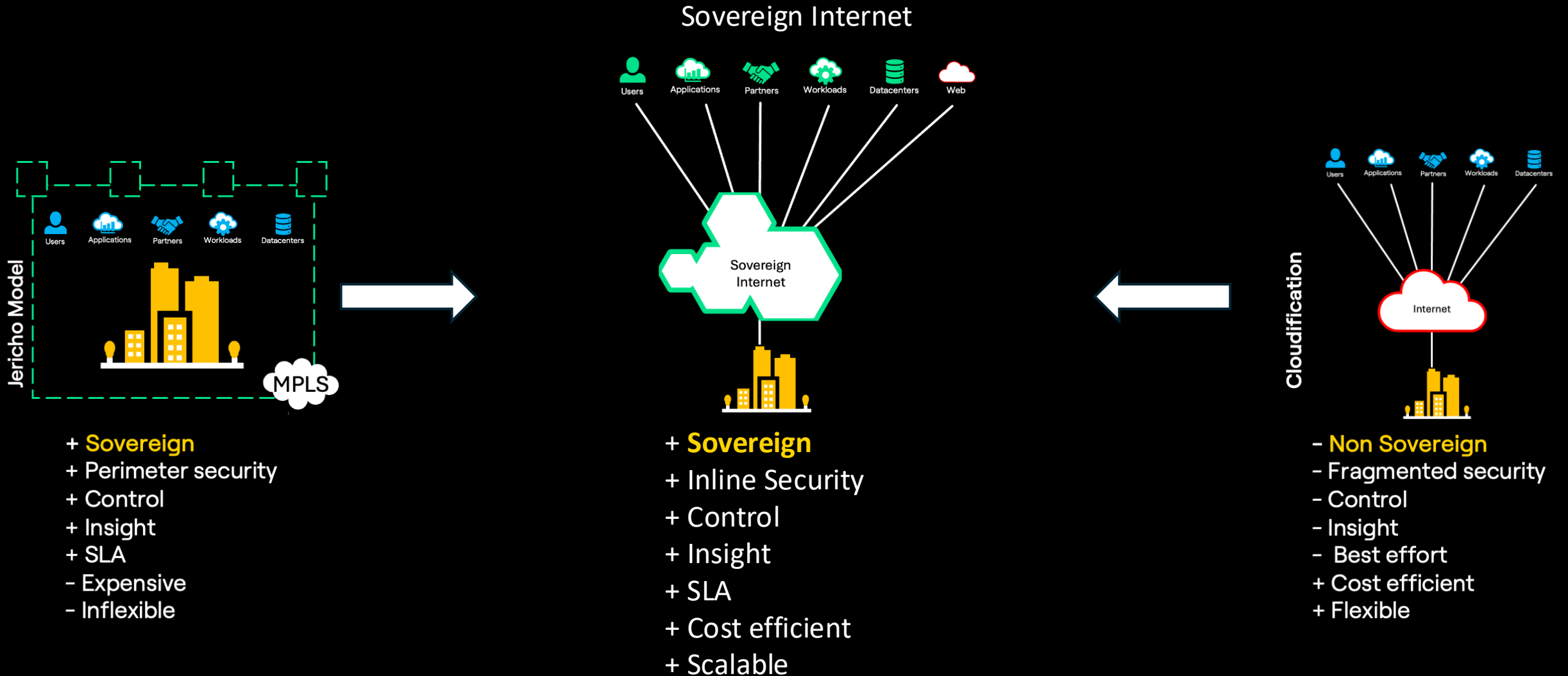
... but how **sovereign** is that Internet?

What is needed is **Sovereign Internet**





Corporate backbone: Best of both worlds

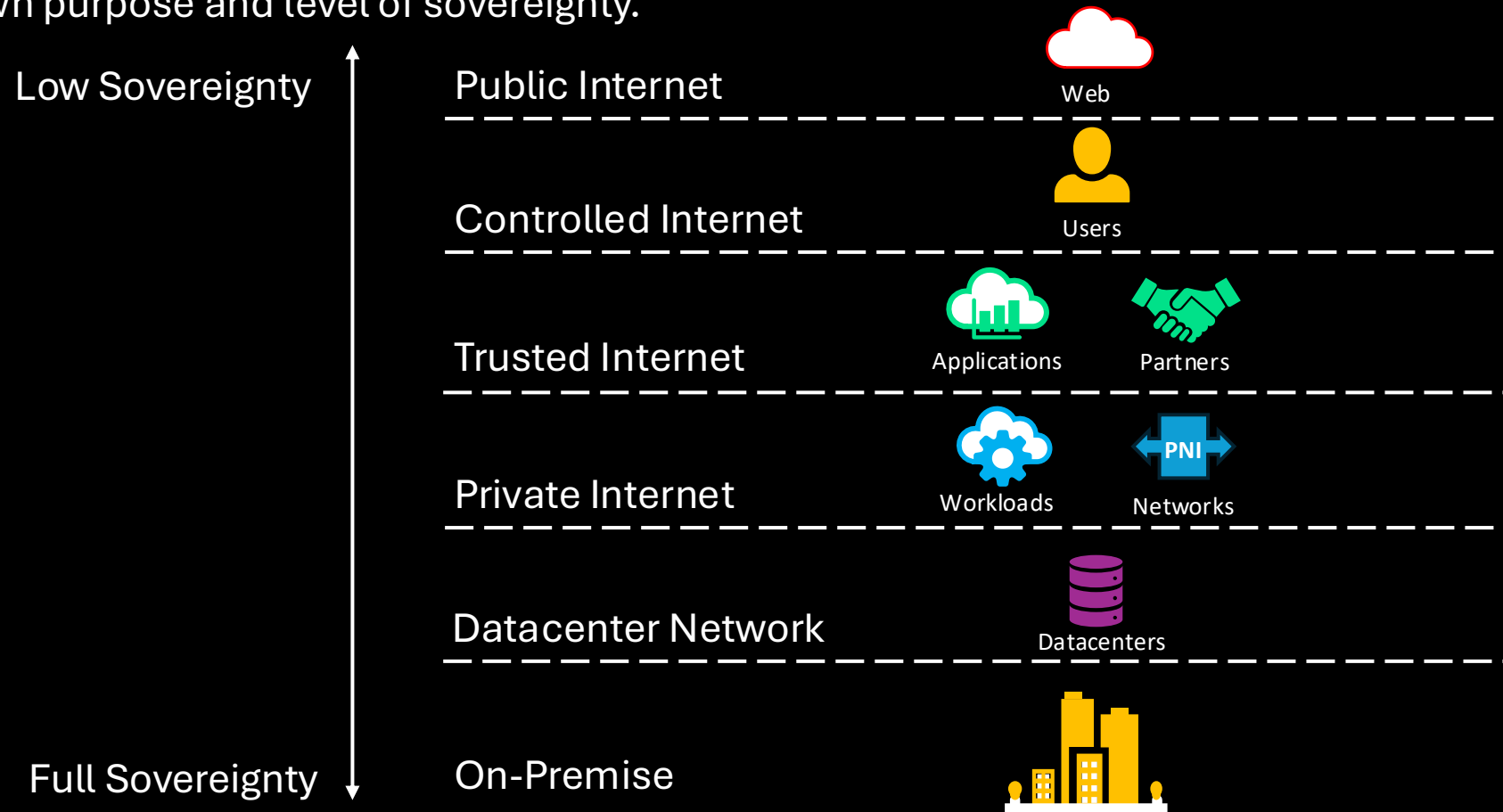




What is needed is

Sovereign Internet

In an ideal world, you would want to divide the Internet into different isolation domains — each with its own purpose and level of sovereignty.

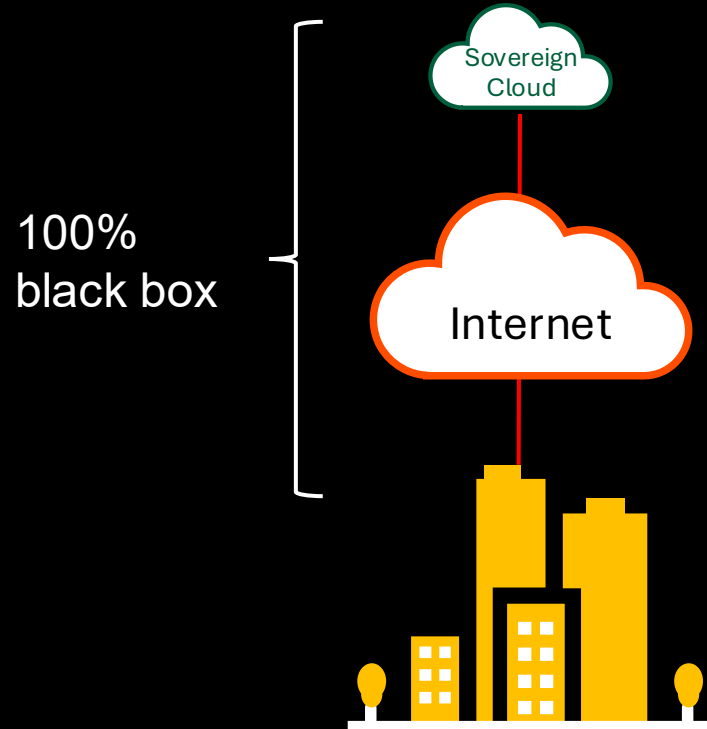




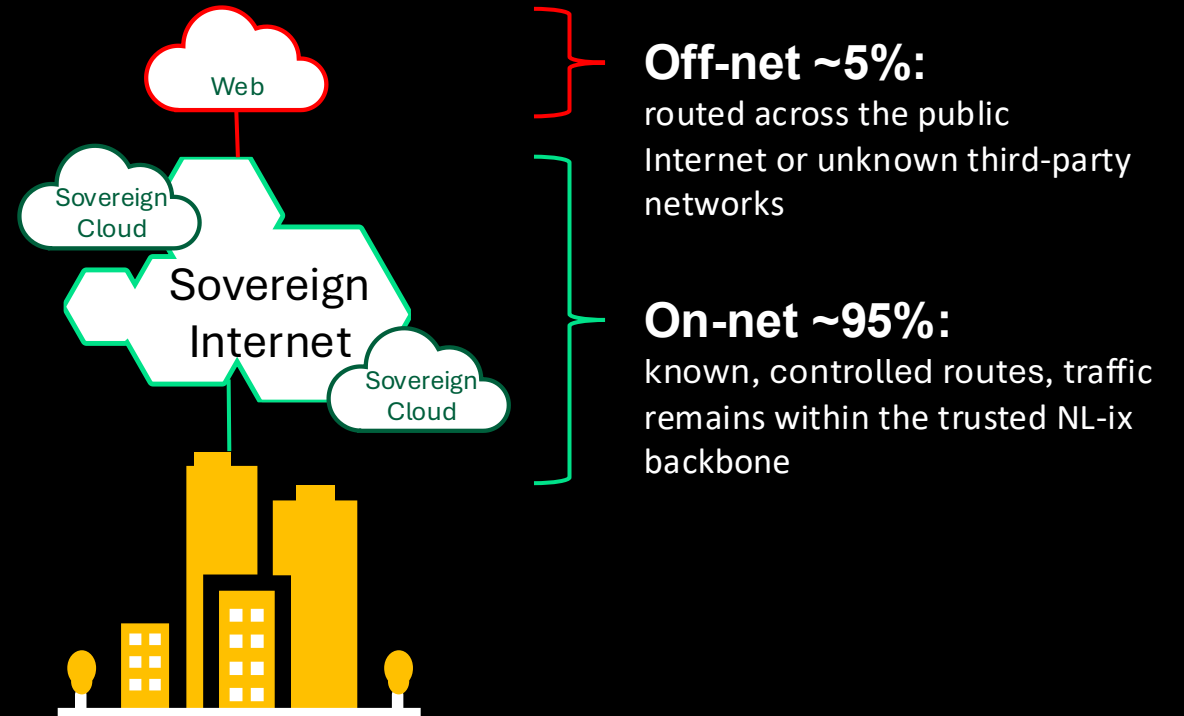
What is

Sovereign Internet

Traditional Setup



Sovereign Internet





Sovereign Internet: 95% On-Net, 5% Off-Net

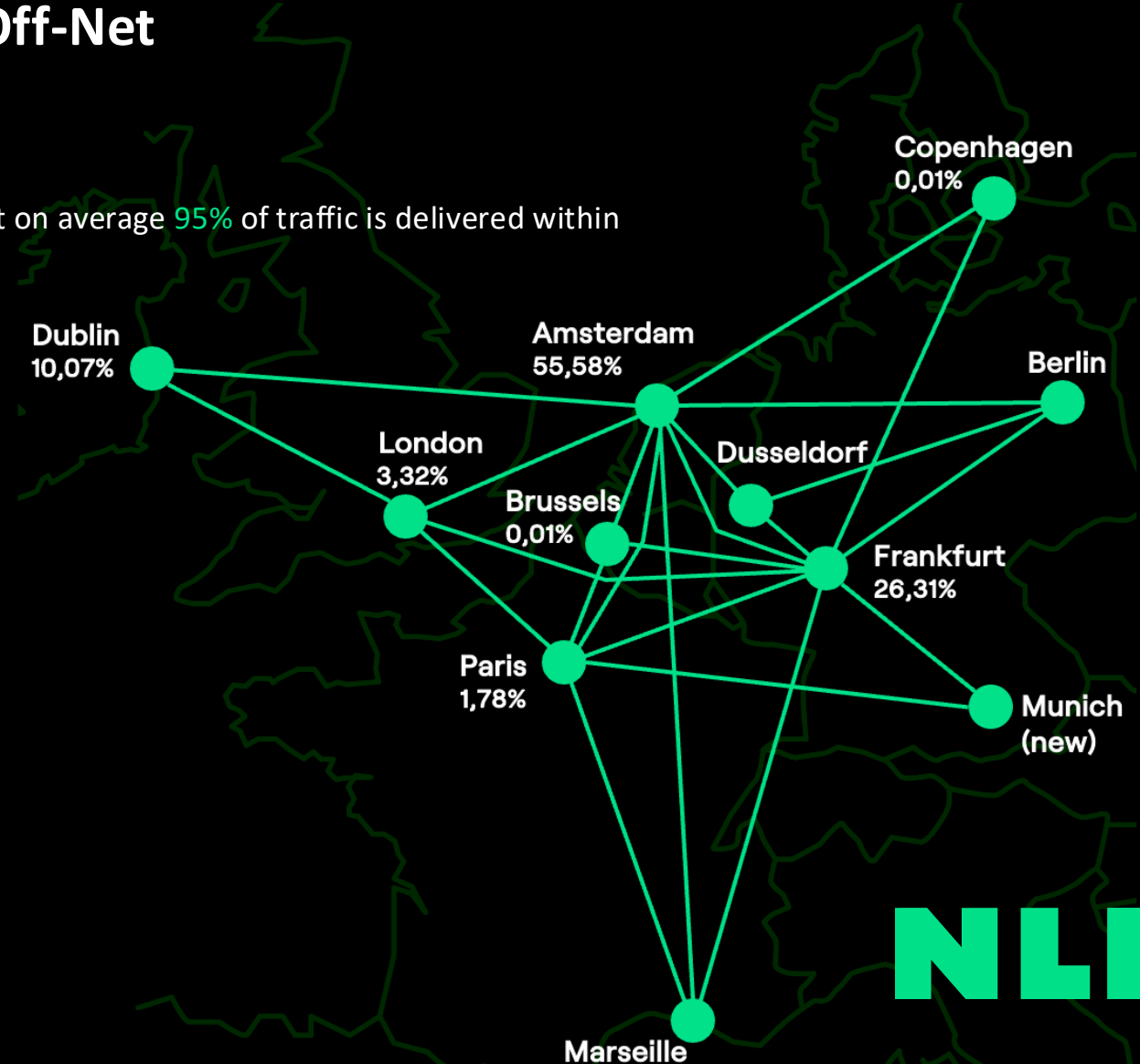
On-Net

Experience has learned that on average 95% of traffic is delivered within the trusted NL-ix network

Off-Net

Other countries (Out of 147):

America	2,34%
Canada	0,39%
Singapore	0,10%
Hungaria	0,04%
India	0,01%
Austria	0,01%
Other	0,03%



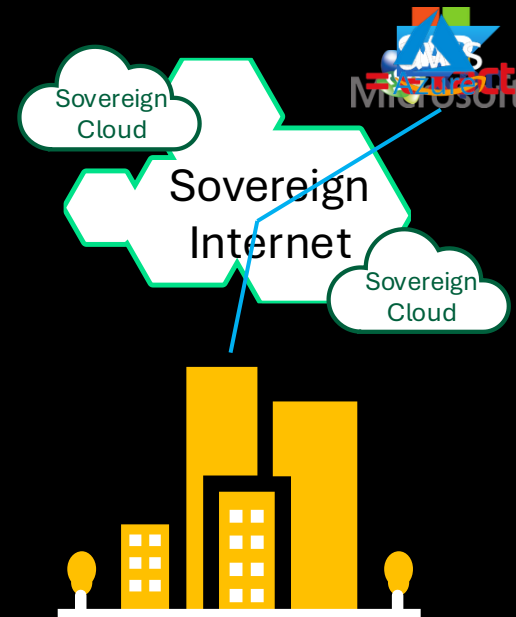


Sovereign Internet: Cloud flows - Traffic flow to 2400 Cloud destinations

As Internet Exchange, NL-ix distinguishes traffic flows to 2,400 network destinations in the cloud — including Internet Service Providers, cloud platforms, enterprises, and government services.

This enables:

- Direct:** Routing from your router to the cloud provider's front door.
- Visibility:** Complete insight Per-flow into every traffic stream.
- Control:** Per-flow isolation control, delivering on the vision of Isolation Domains.

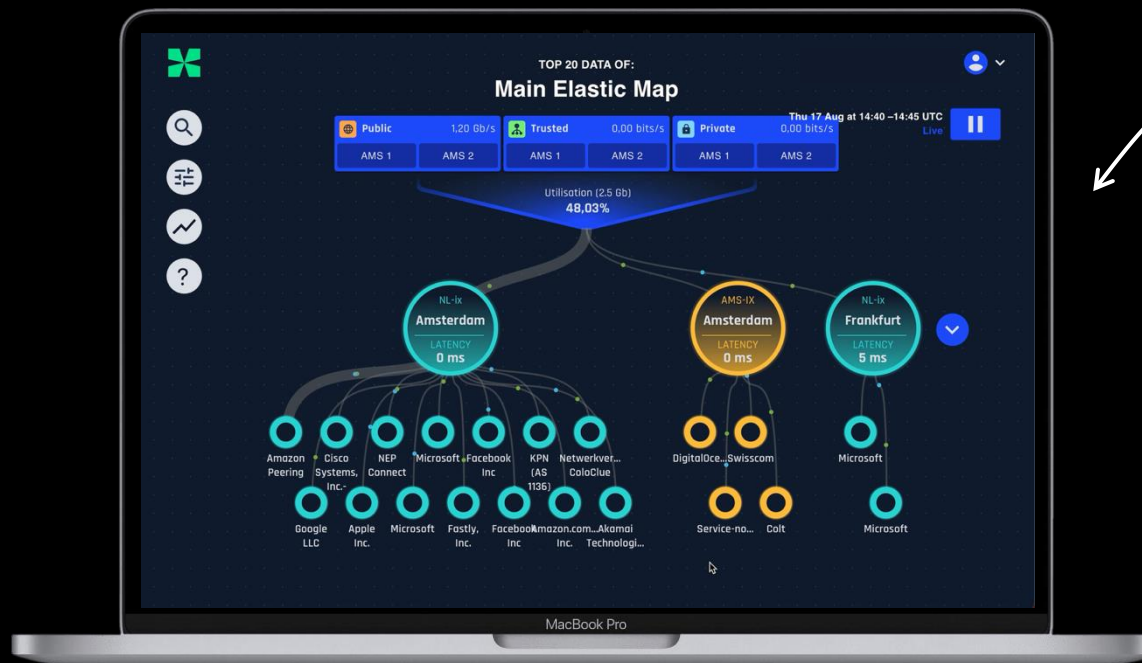




Sovereign Internet: Visibility

Sovereign Internet is not just about connectivity — it's about control. You can't control what you can't see, that's why Sovereign Internet comes with an online portal that provides exact insight into where your traffic is going.

NL-ix gives you **full visibility** for On-net traffic:



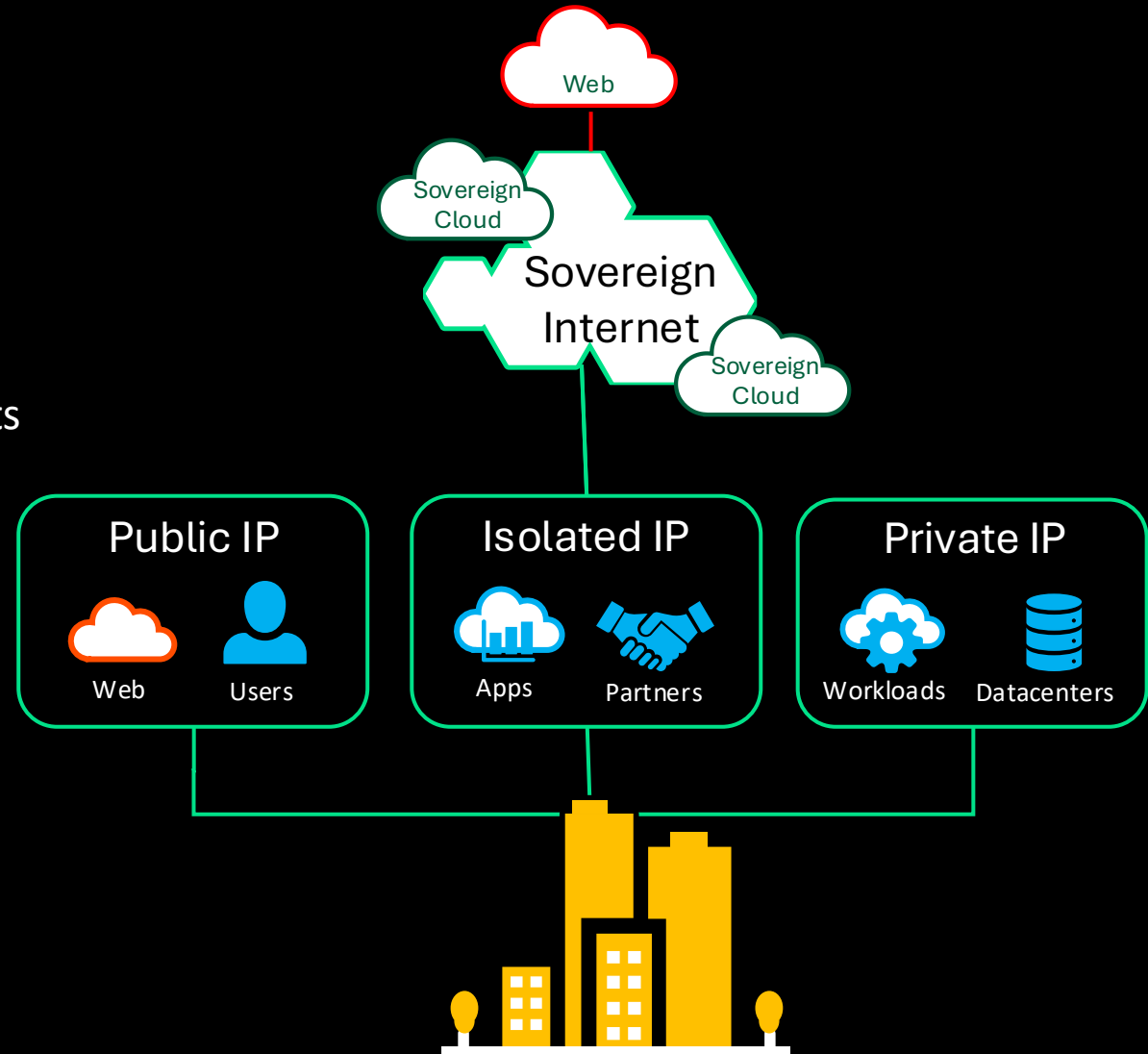
- 2.400 Cloud flows;
- Multiple Isolation Domains;
- Direct traffic handover to Cloud;
- Geographical (jurisdictional) hand-over-point;
- Multiple-exit resilience;
- Latency;
- Traffic volume;



Sovereign Internet: Control

Sovereign Internet isn't a single connection: it's a **structured network architecture** where traffic is logically and physically separated

NL-ix uses **Internet slicing technology** to separate different traffic types across dedicated ports and routing domains

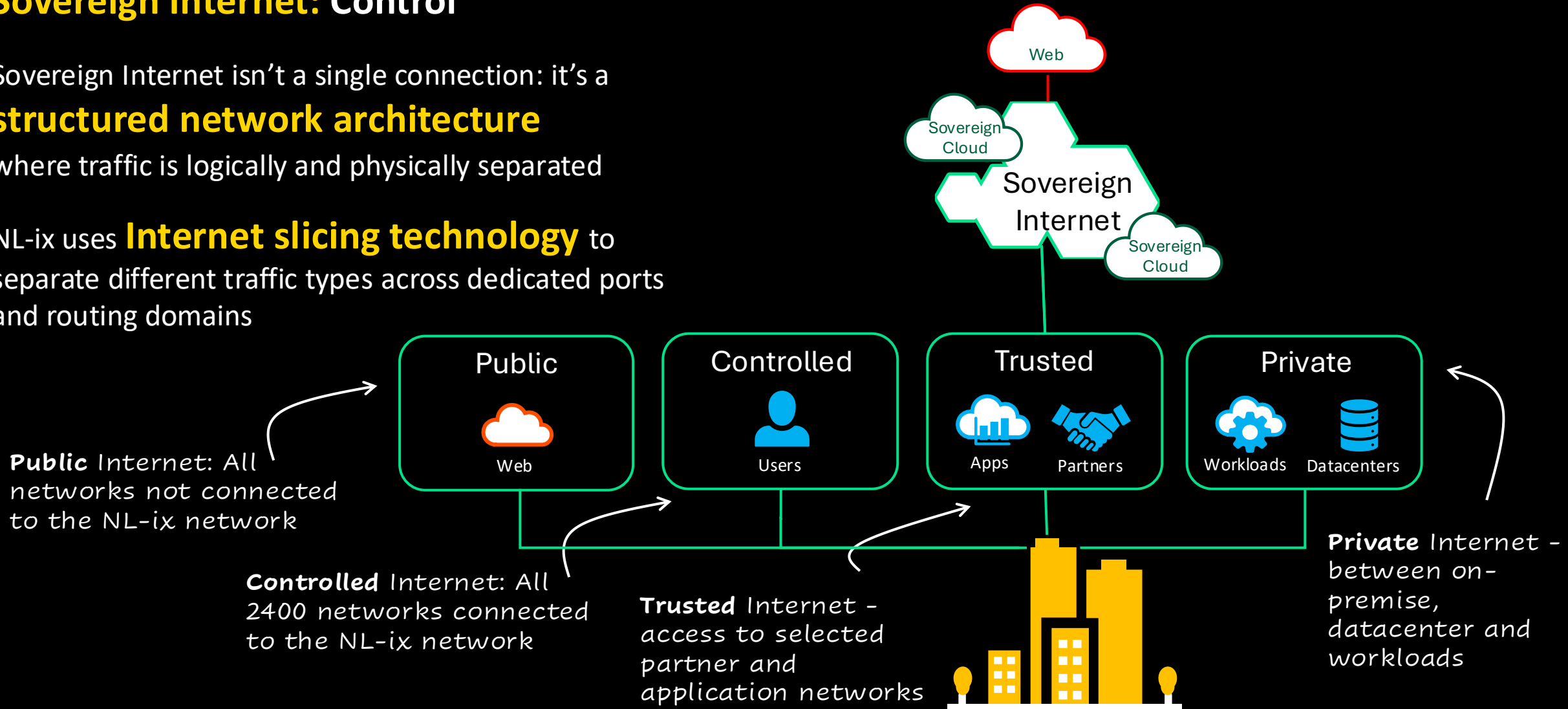




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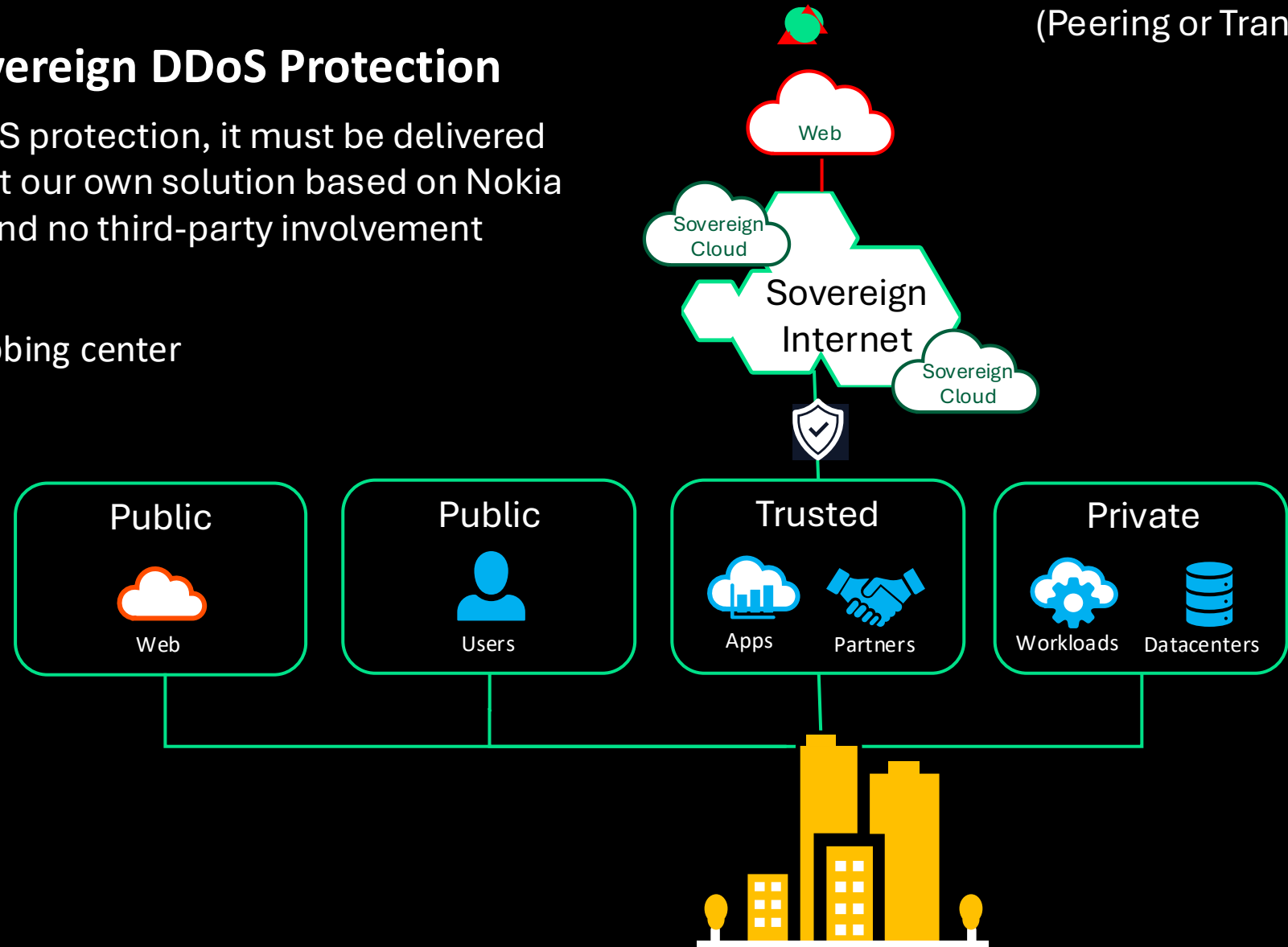
Sovereign Internet: Sovereign DDoS Protection

To ensure truly sovereign DDoS protection, it must be delivered in-line — which is why we built our own solution based on Nokia Deepfield, with no rerouting and no third-party involvement

NL-ix DDoS Protection:

- No (foreign) 3rd party scrubbing center
- Always-on
- **Inline** (L2)
- Machine learning
- Cloud intelligence

- ▲ DDoS attack
- Clean Traffic (Peering or Transit)





741 Gbps

NL-ix DDoS Protection successfully mitigated a massive attack peaking at 741 Gbps

The attack was automatically detected and mitigated without impact. No port congestion.

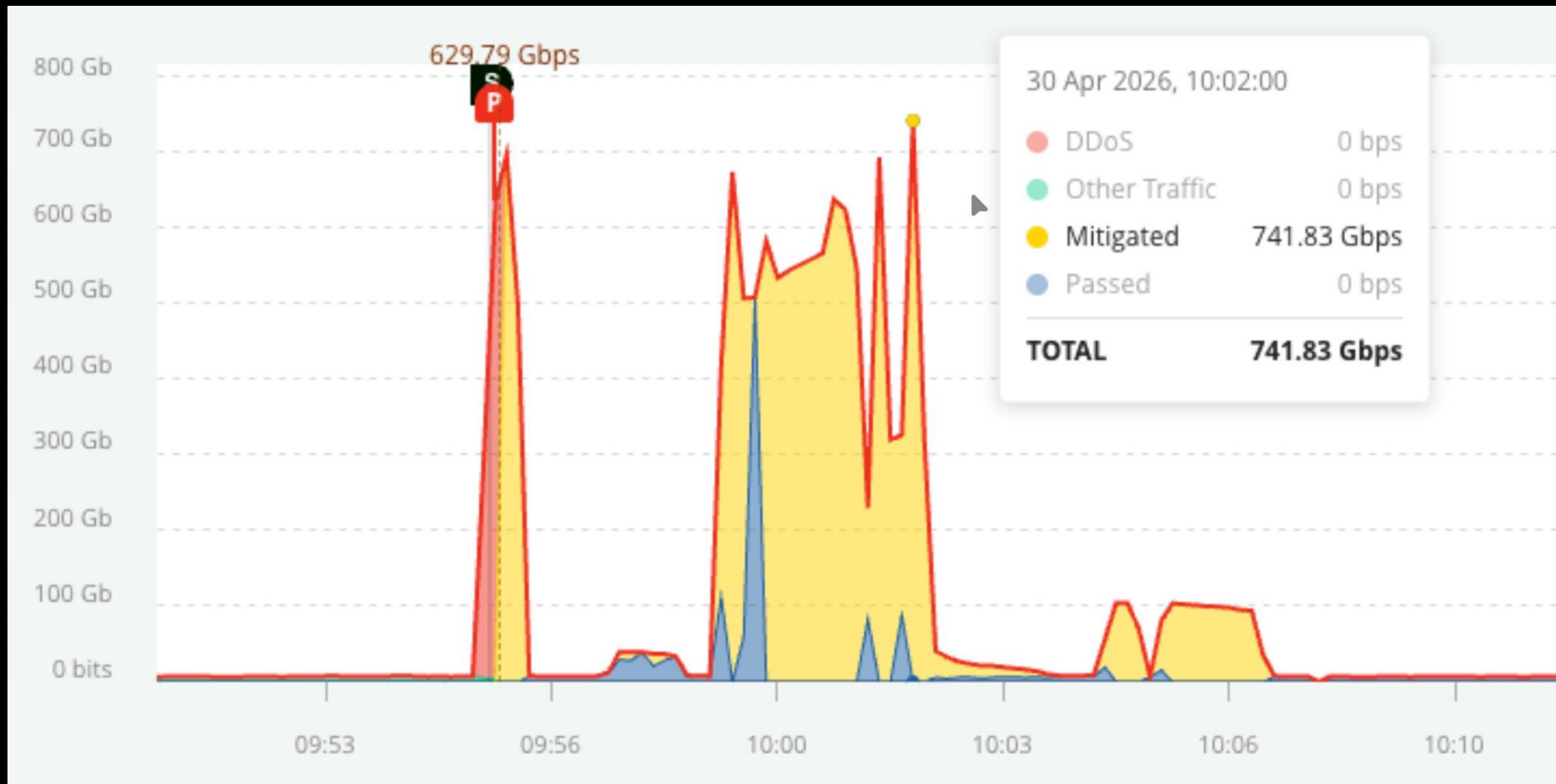


Successfully protected by
NL-ix DDoS Protection





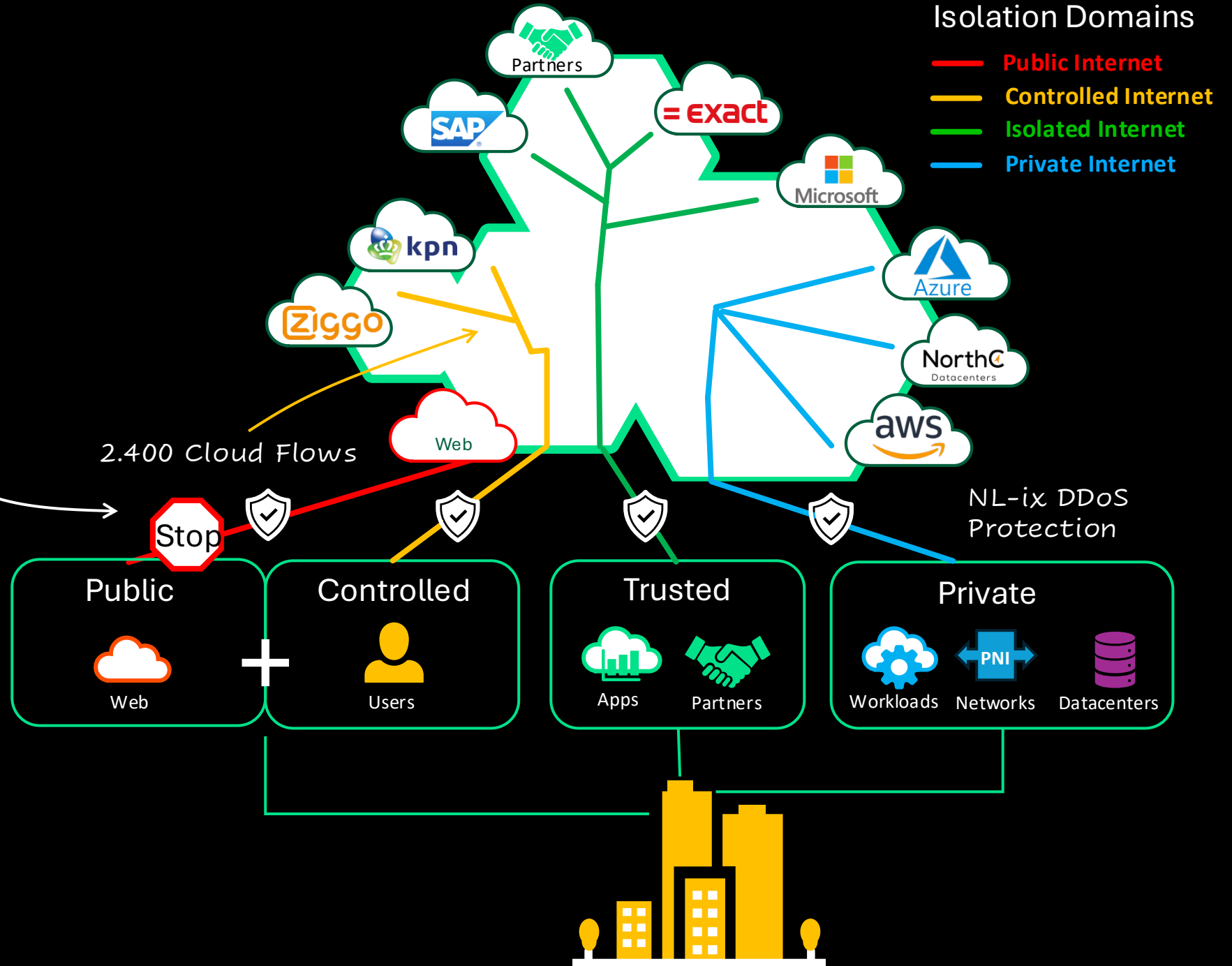
Sovereign Internet: Sovereign DDoS Protection





Sovereign Internet: End to End

Option to 'STOP'
traffic from/to
networks not
connected to the
NL-ix network





Sovereign Internet

1) Legal and Regulatory control: ✓

Keeps ~95% of traffic within the safe NL-ix Backbone (On-net)

2) Business Continuity: ✓

Operate without relying on the global Internet if needed

3) Transparency and auditing: ✓

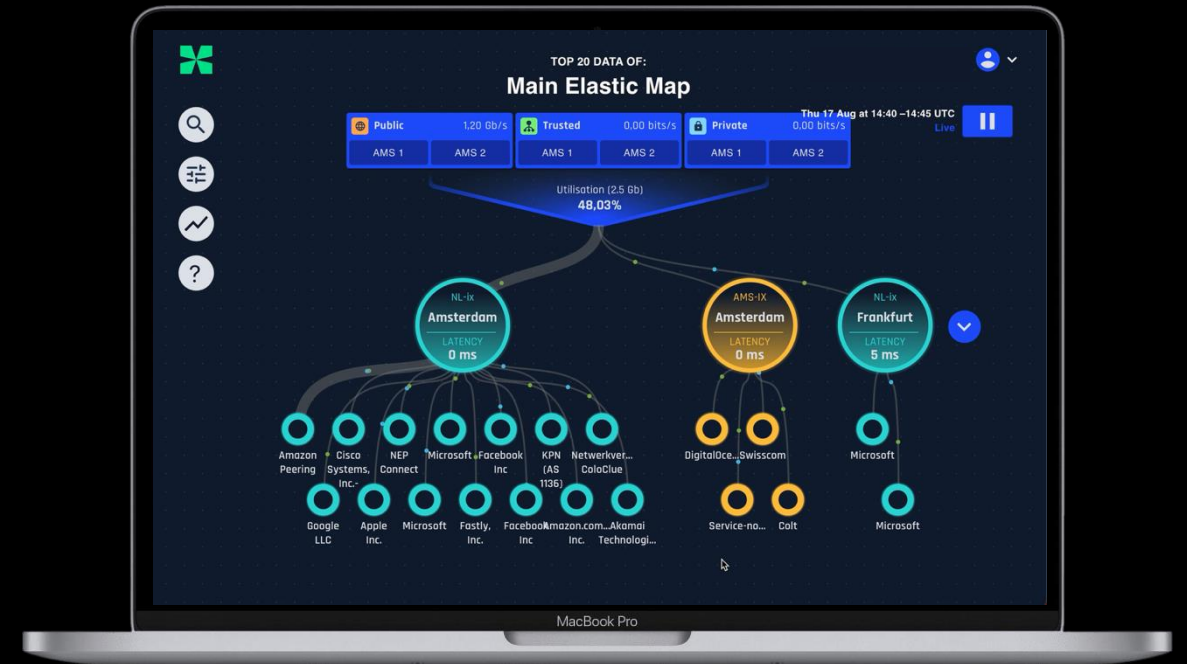
Clear data flow visibility

4) Traffic Isolation: ✓

Dividing traffic streams by purpose, source, and sensitivity

5) NL-ix Infrastructure Ownership: ✓

European network owned by Dutch Operator, Nokia hardware, ISO 22301, ISO27001



SOVEREIGN INTERNET

“You select your clouds. We secure the path to the cloud.”

NLIX