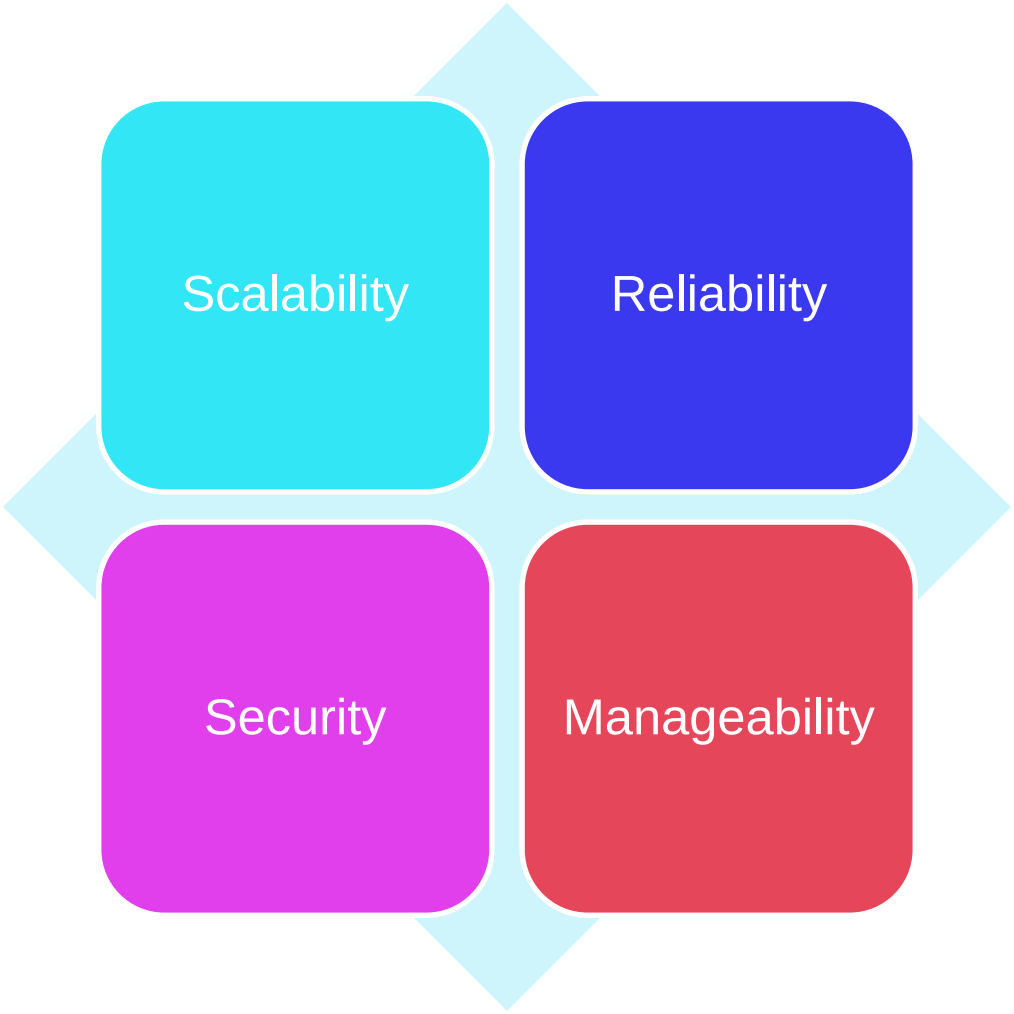
mojo Networks

Building a Billion User Wi-Fi Network

Requirements for a Billion User Network



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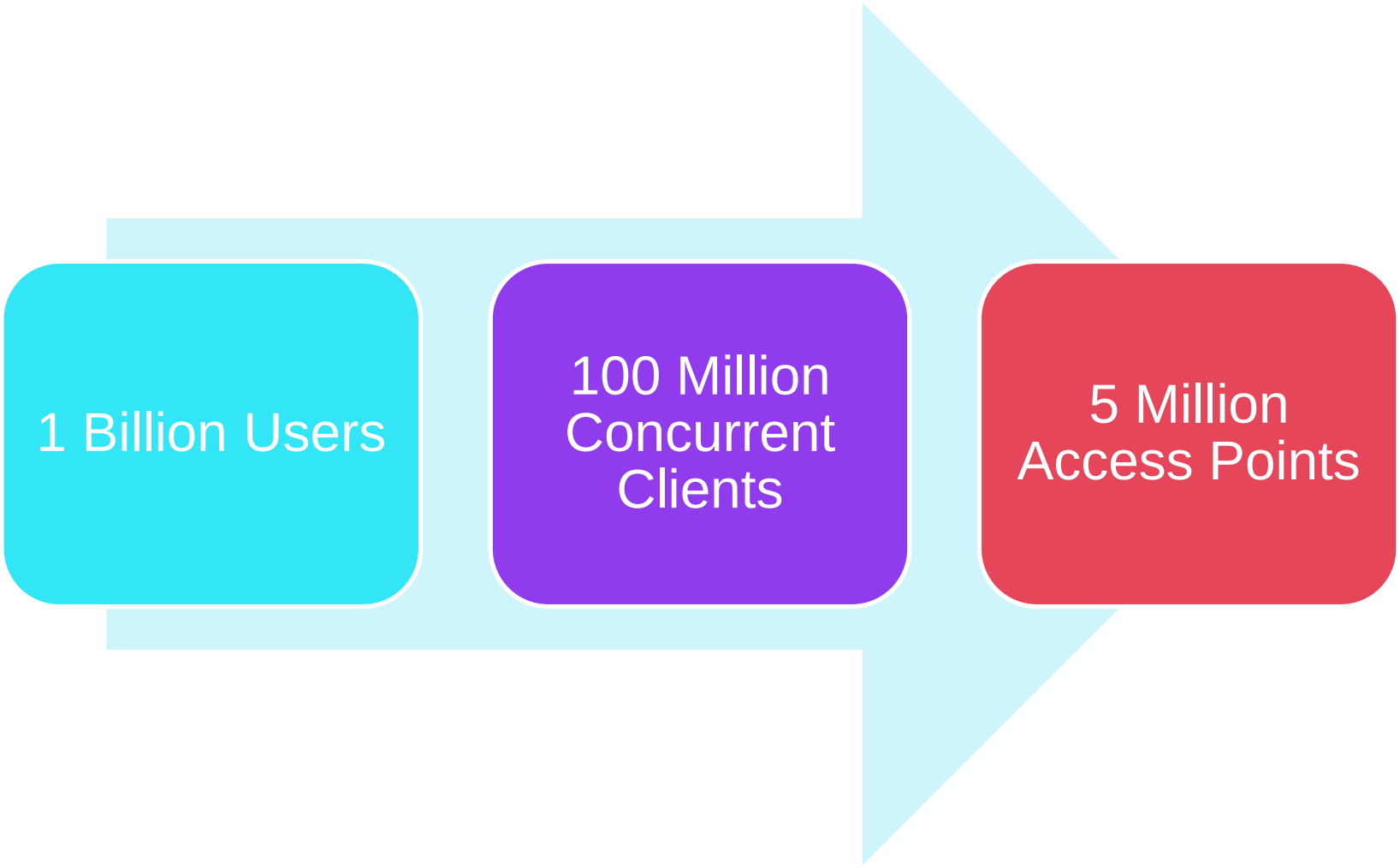
Scalability



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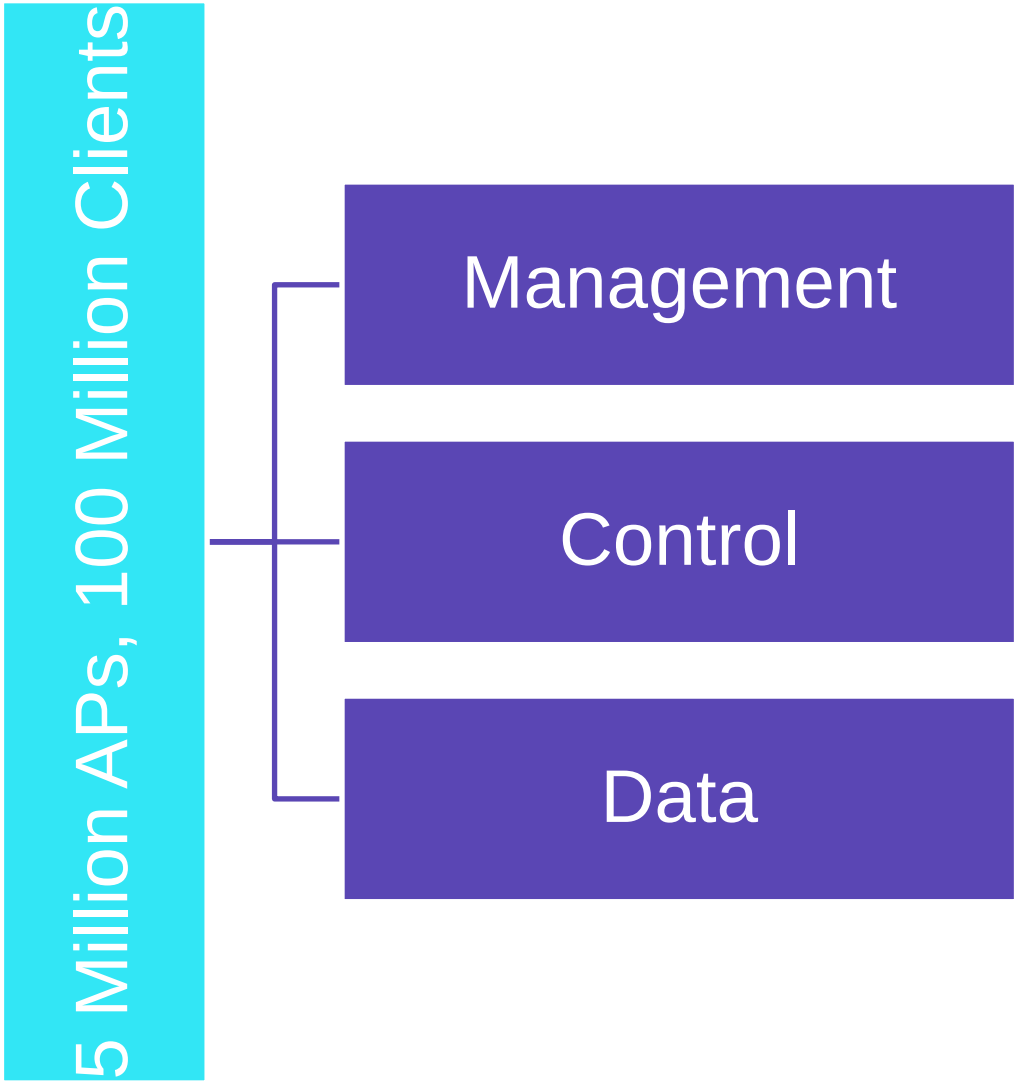
Reliability



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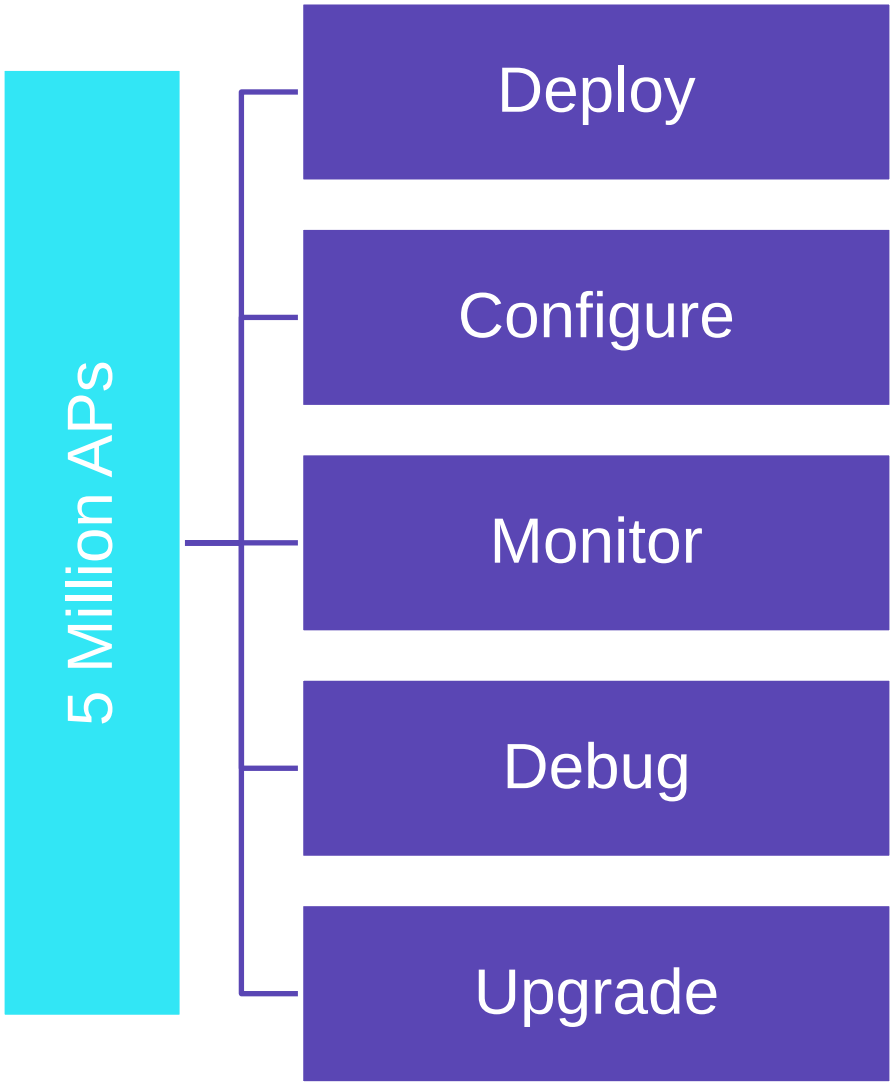
Manageability



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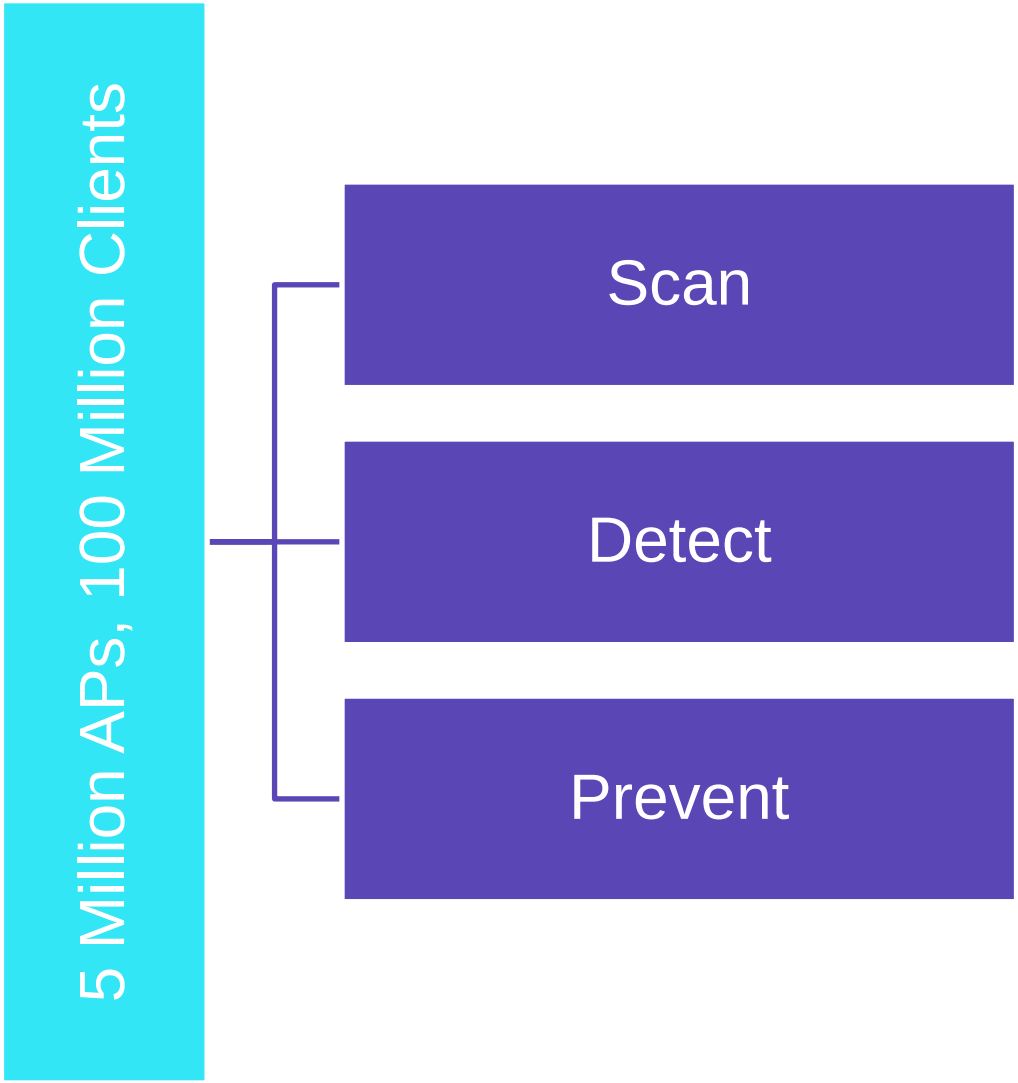
Security



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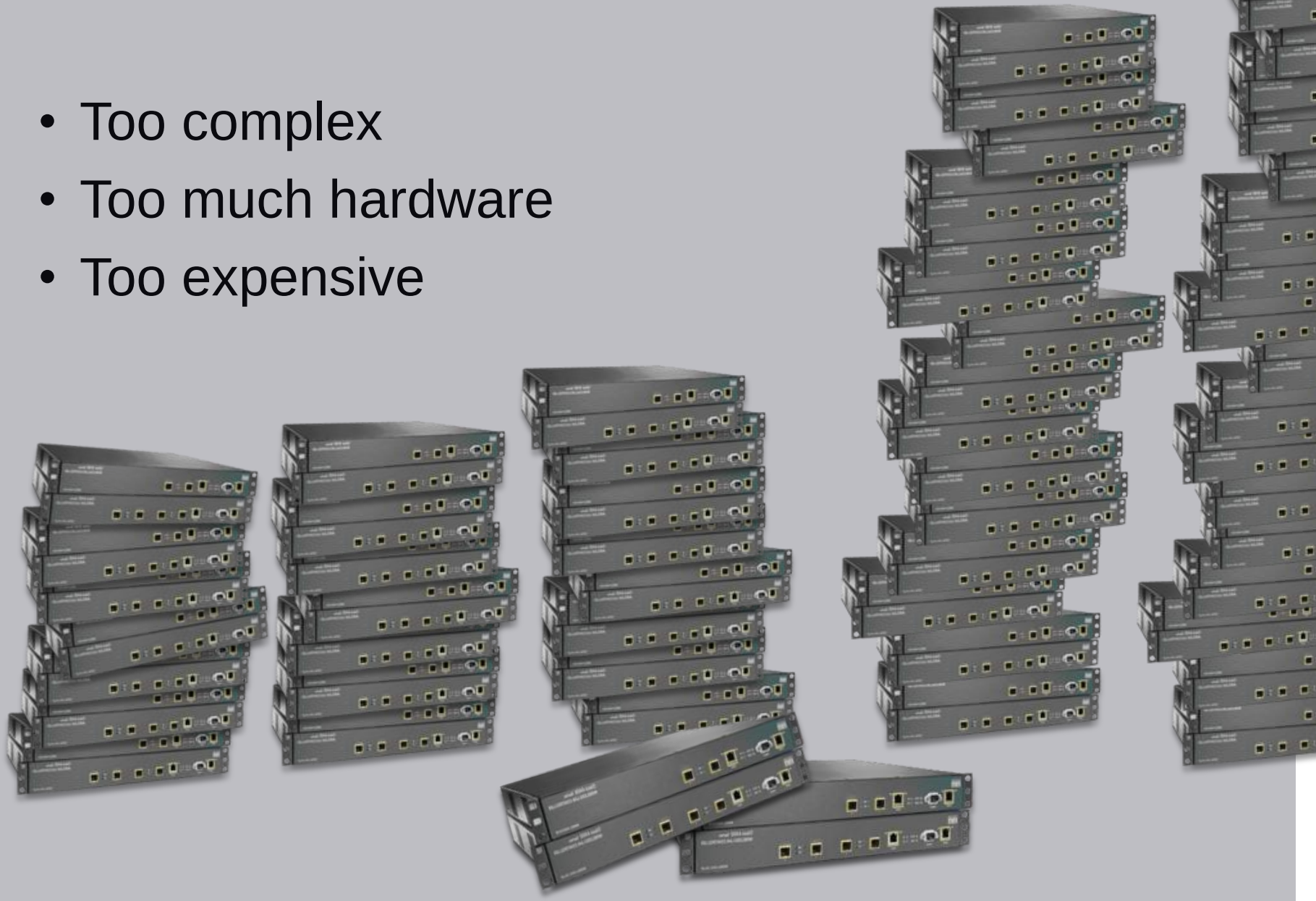
Hard to build with WLAN controllers

- Too complex
- Too much hardware
- Too expensive



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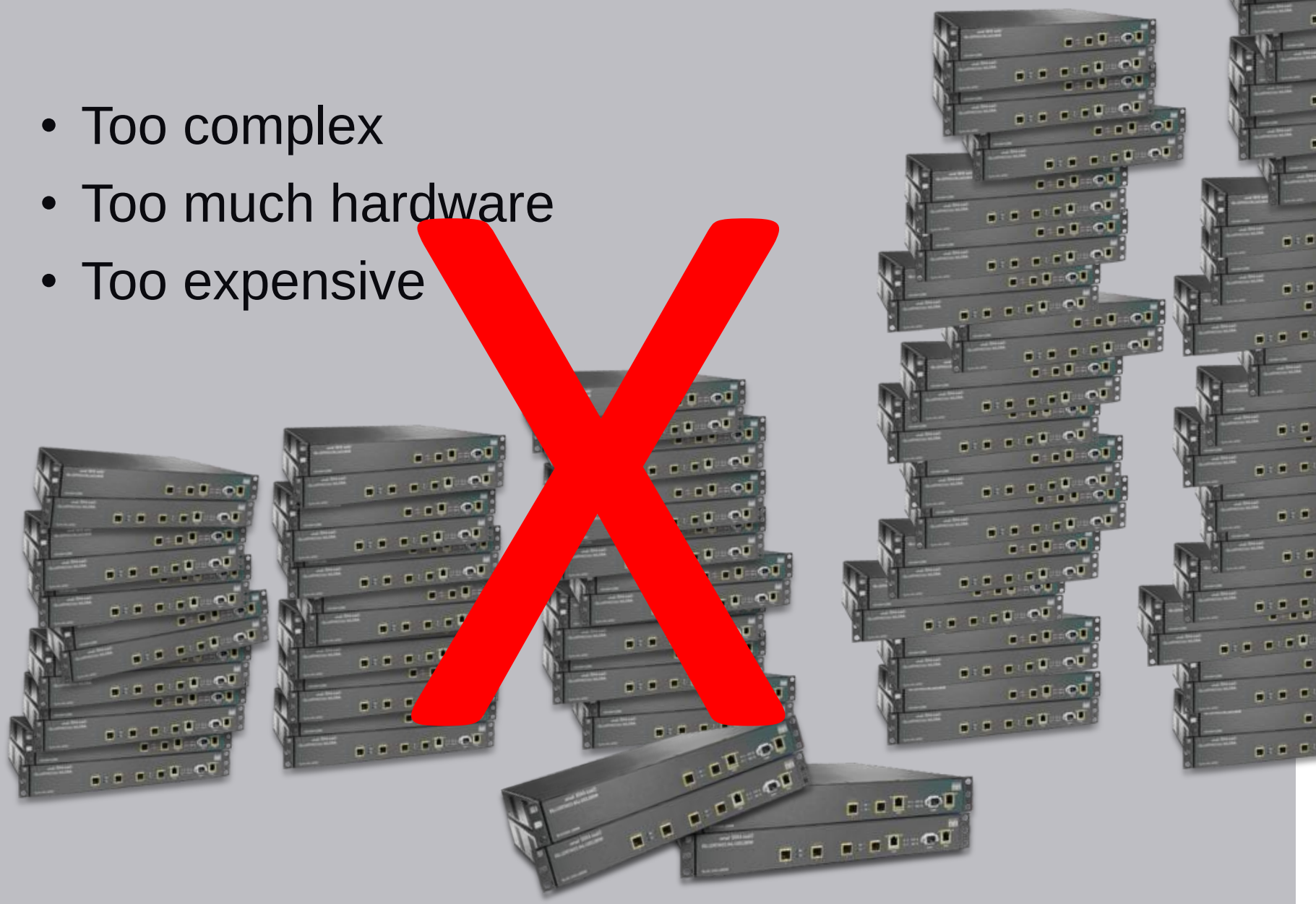
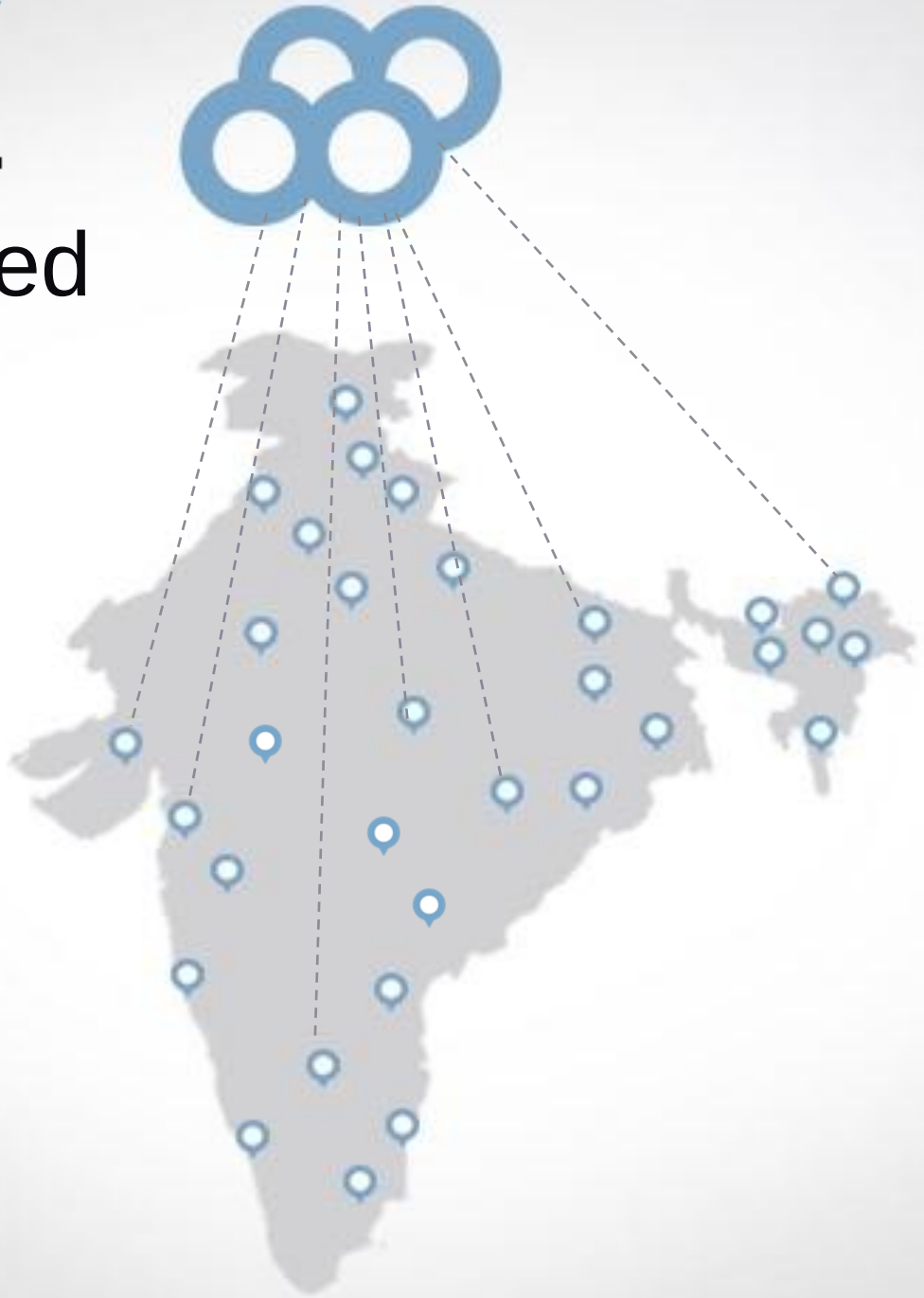


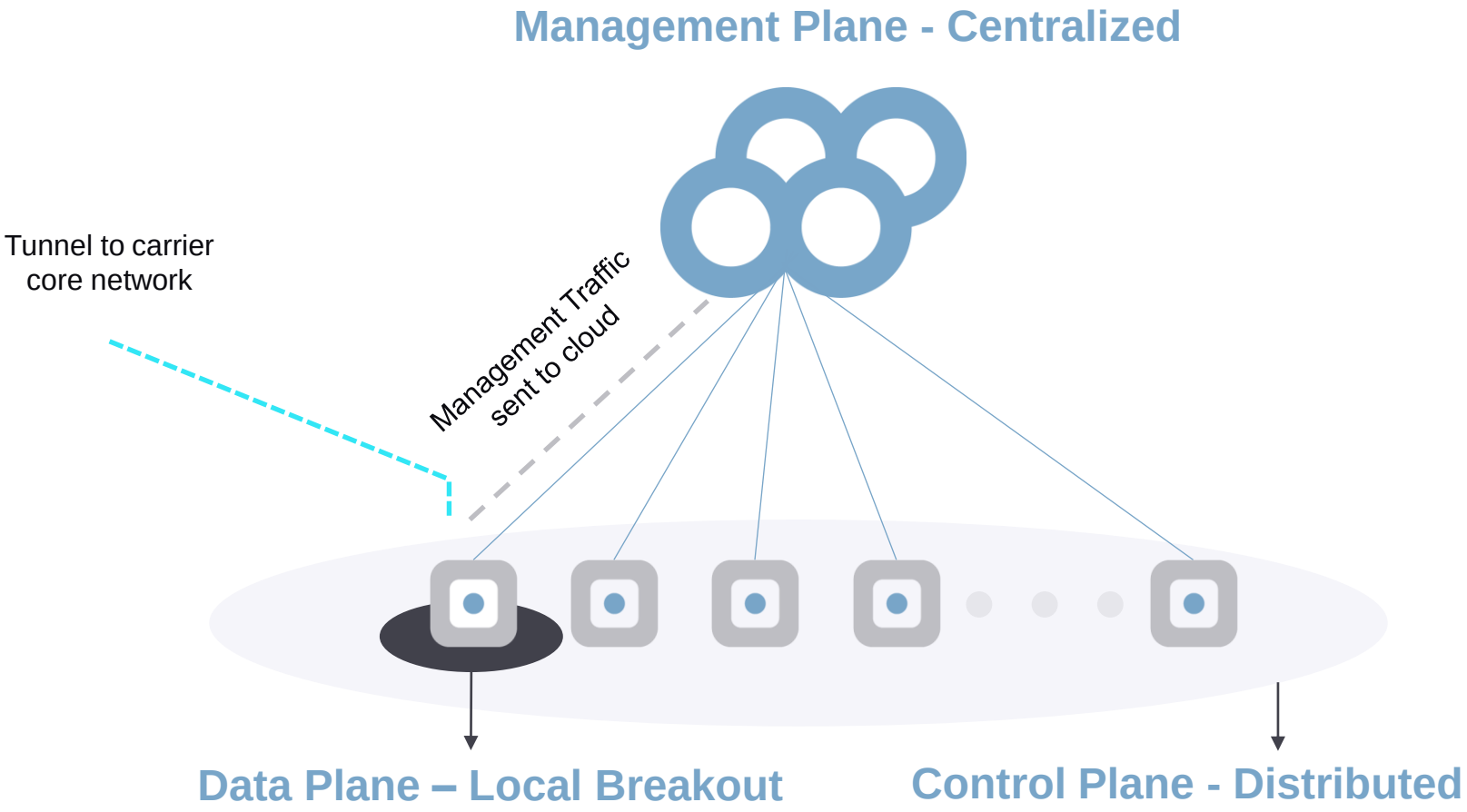
SILVER

MASSIVELY SCALABLE

Cloud Managed WiFi



Mojo Cloud Architecture



Zero loss in functionality during loss to connectivity in cloud

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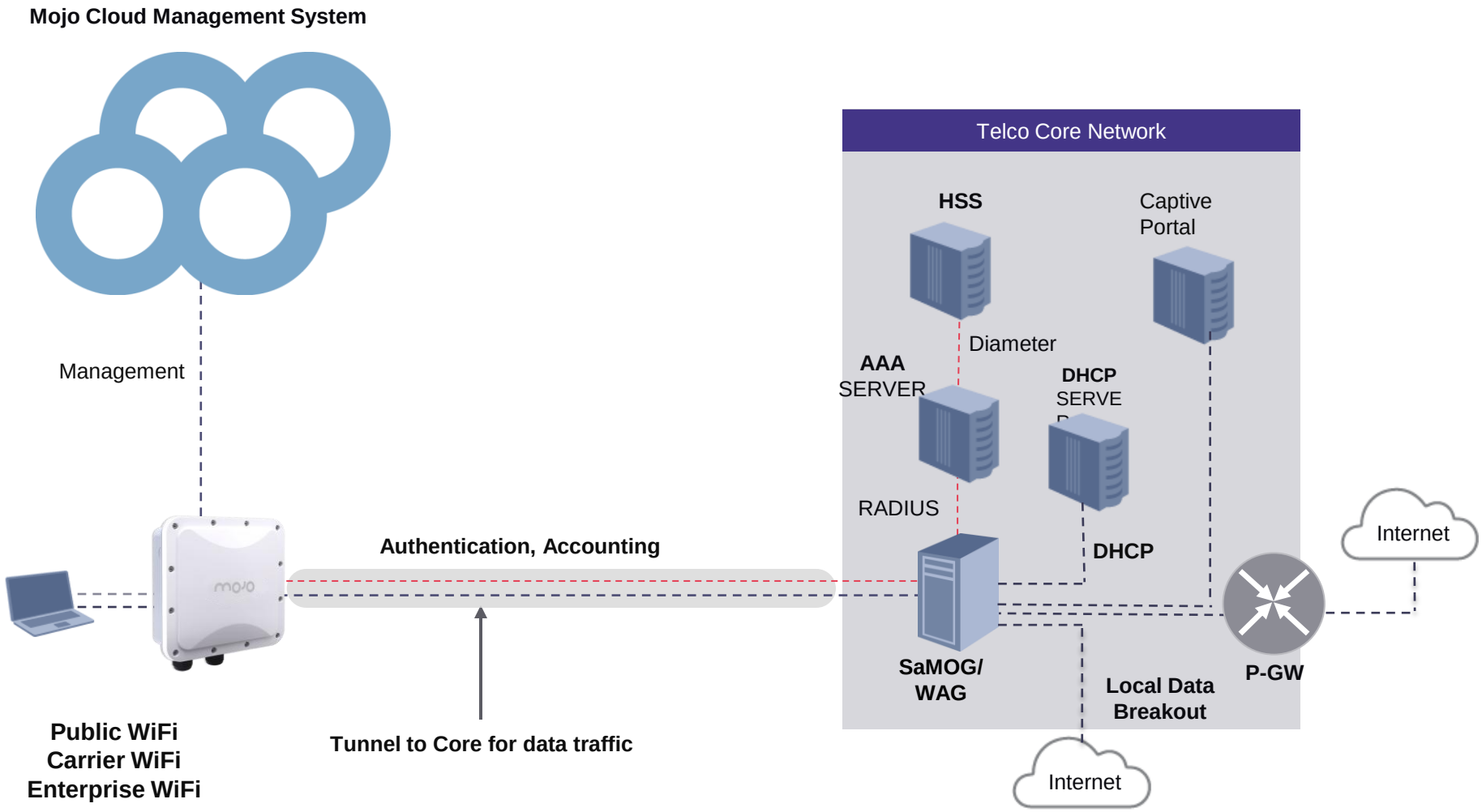
Carrier WiFi Network Architecture



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Value Proposition

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Conventional Controller Architecture vs Mojo Cloud For 1M AP Deployment

Conventional solutions

Racks

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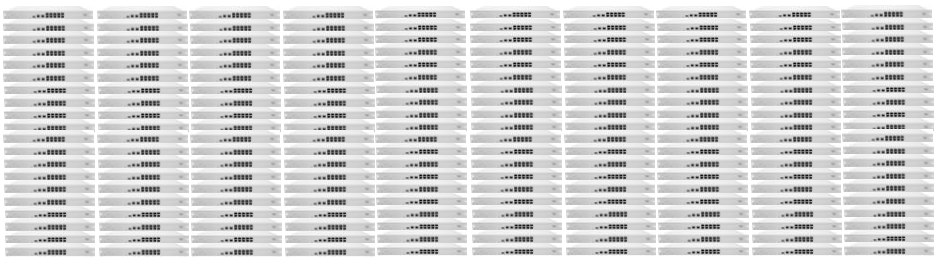
Controllers



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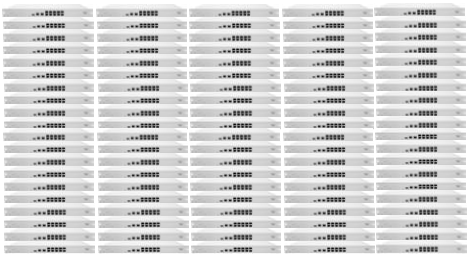
EMS Appliances



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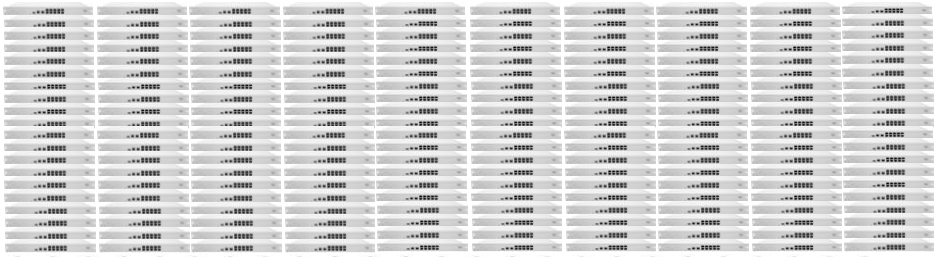
Security Appliances



200

Team

Many field teams needed to support distributed physical deployments

Mojo Cloud

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Zero

Zero

Zero

Small Central Team

3rd Radio Architecture

	Radio 1	Radio 2	Radio 3
2.4 GHz	AP on 2.4 GHz channel		Spectrum scan + WIPS
5 GHz		AP on 5 GHz channel	Spectrum scan + WIPS

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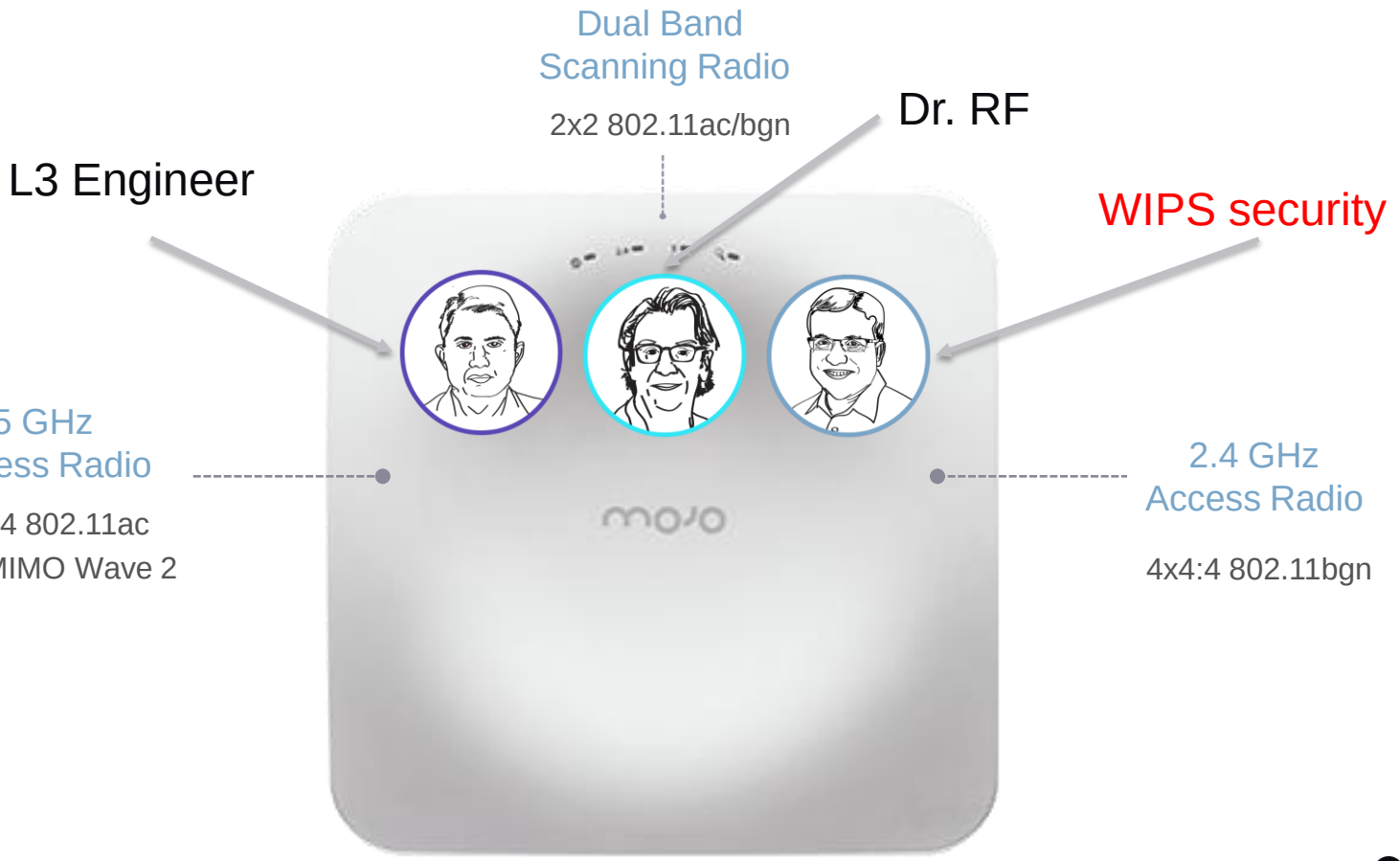
Embedding Intelligence in 3rd Radio

Not in one AP on one site, but in every AP at all sites at all times



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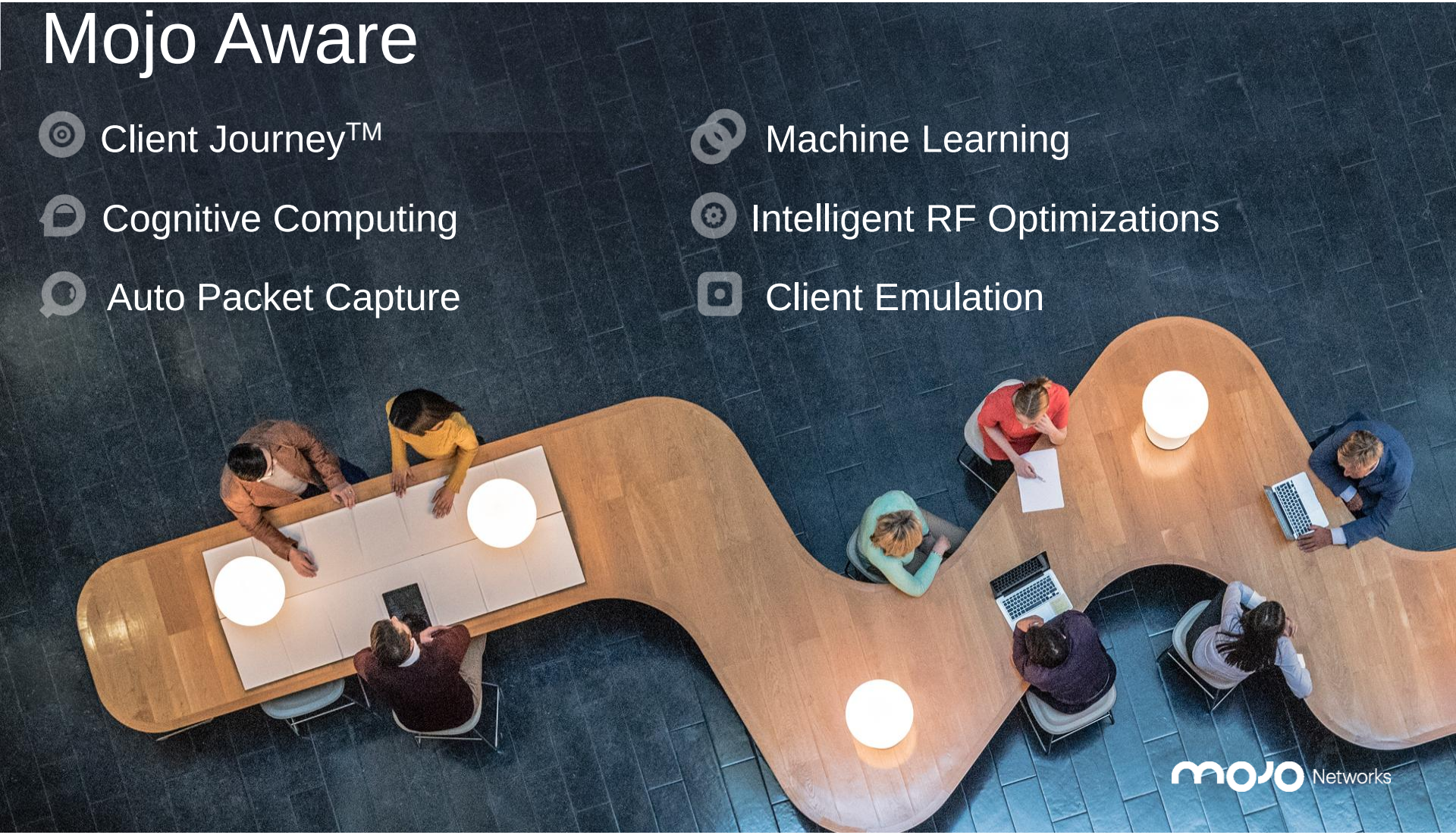
Cognition Plane

Mojo Aware

- Client Journey™
- Cognitive Computing
- Auto Packet Capture
- Machine Learning
- Intelligent RF Optimizations
- Client Emulation



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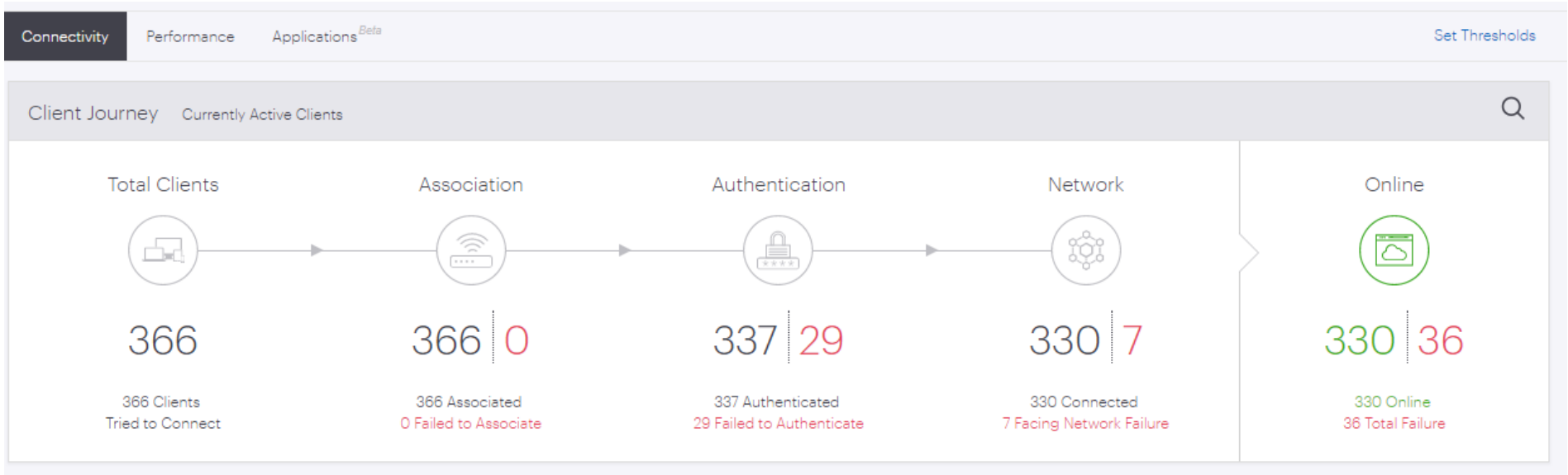
Client Journey



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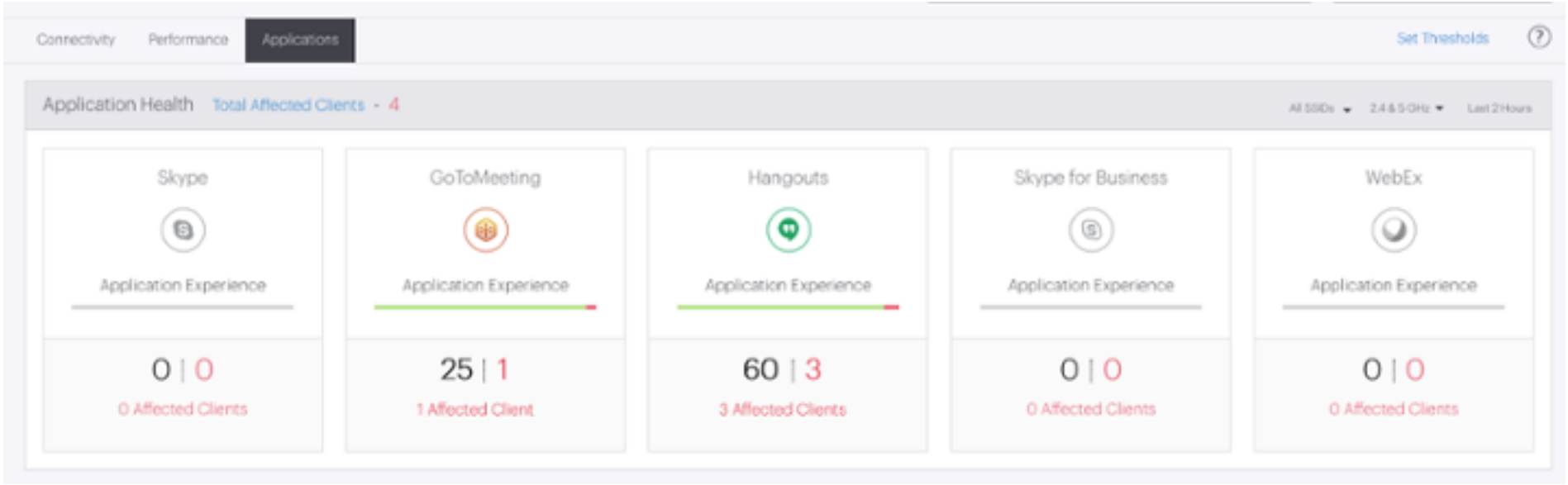
Application QoE Classification



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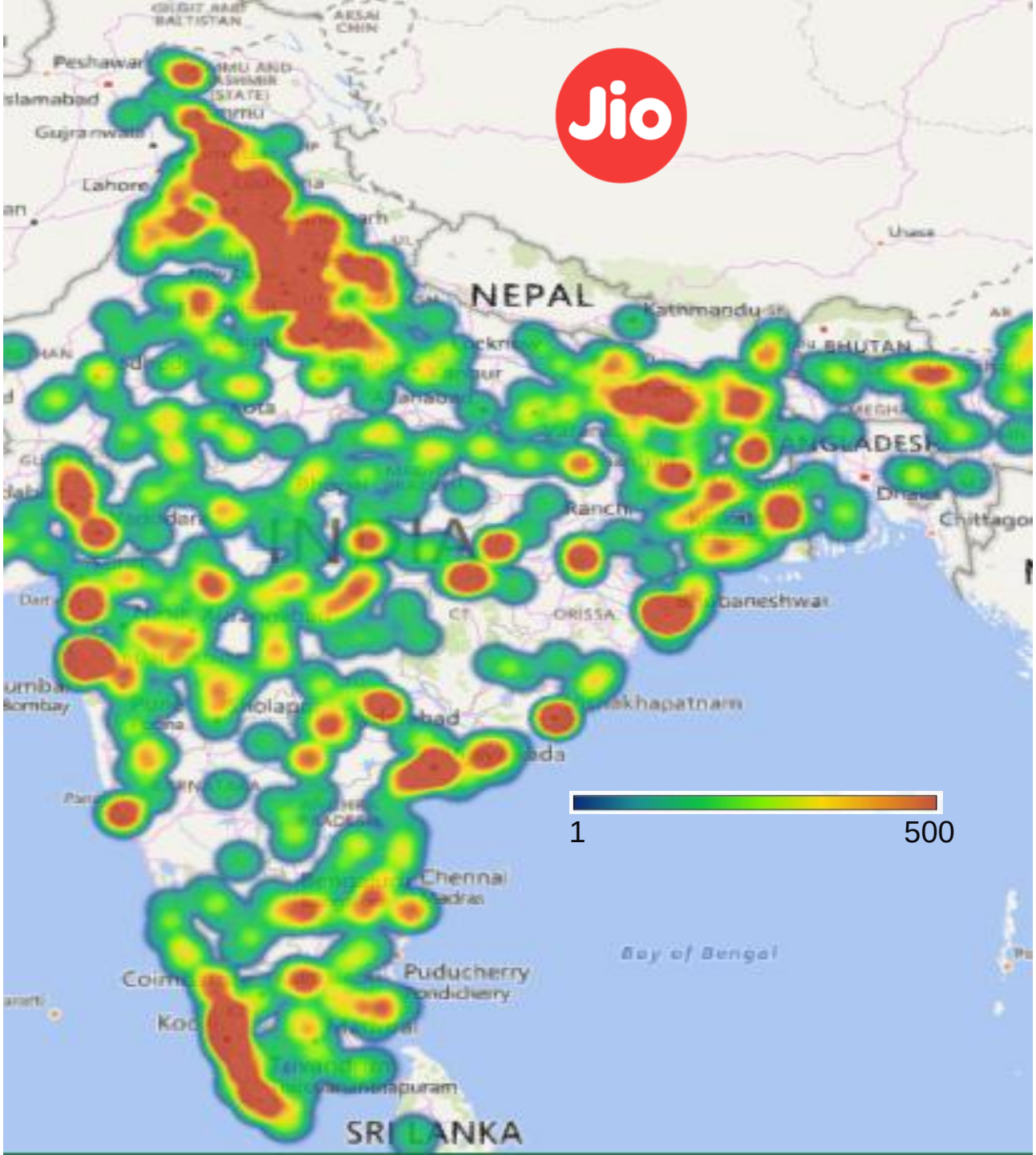

APs

120K

Clients /day

1.2M

Data /day

100 TB

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