Mobile. Open. Agile.
IT Reinvented

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Mobile. Open. Agile.
IT reinvented.

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"We cannot solve problems by using the same kind of thinking we used when we created them".

Albert Einstein

It's time to redefine Mobility
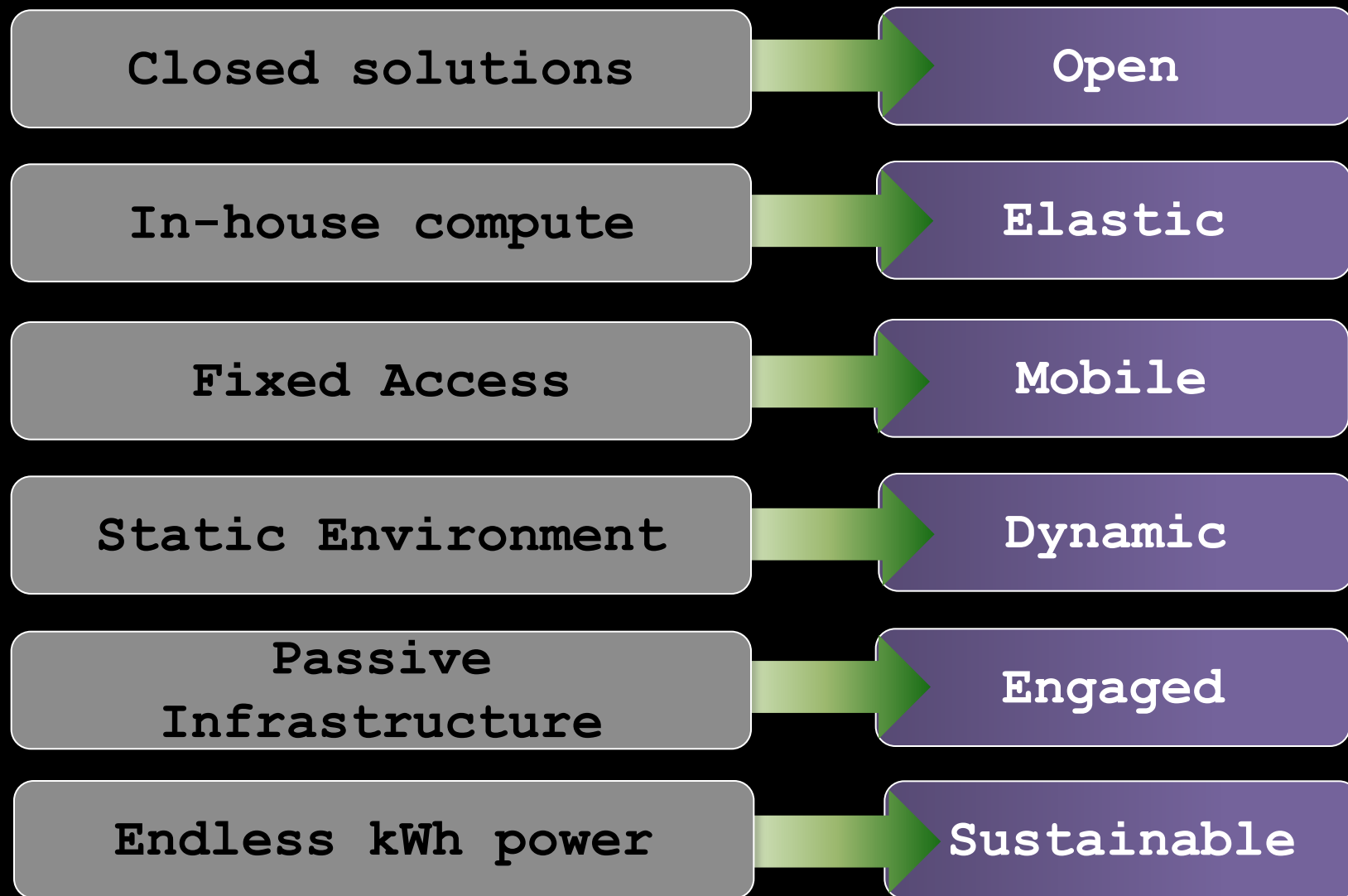
It *was*: <u>Wireless Access</u>

- Portables
- Wireless Edge
- Static Applications
- Access to Connectivity
- IT Device Ownership

It's time to redefine Mobility

Mobility is: <u>Real-time Services</u>

- **Versatile and Diverse Devices**

- **Motion: Edge, Core and Data Center**

- **Mobile Content, Apps and VMs**

- **Rich, Personalized Services**

- **Flexible and Efficient Operations**

Changing the Approach …

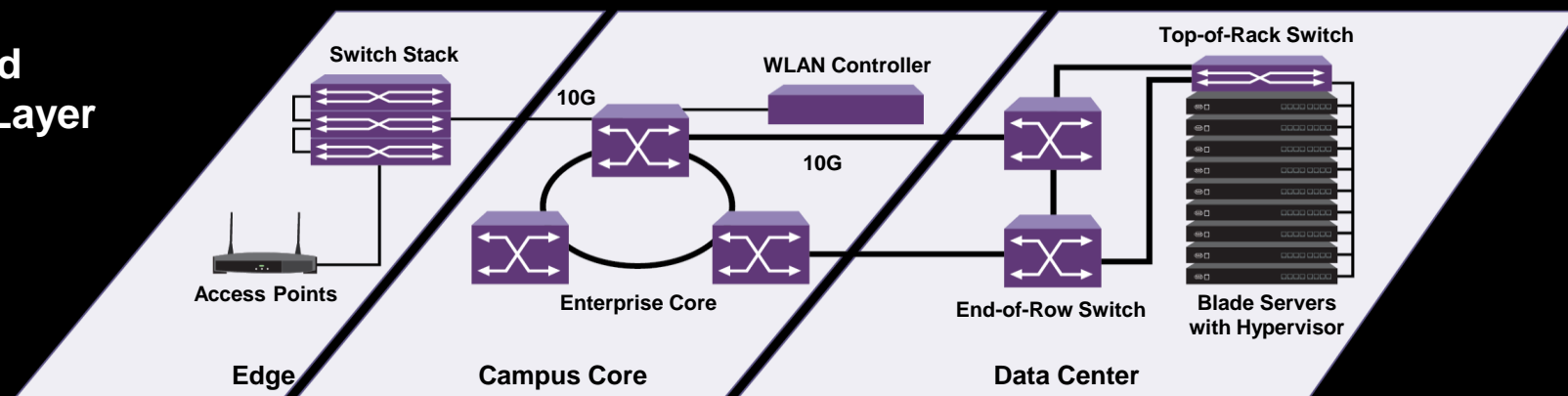|	
Closed solutions	→ Open
In-house compute	→ Elastic
Fixed Access	→ Mobile
Static Environment	→ Dynamic
Passive Infrastructure	→ Engaged
Endless kWh power	→ Sustainable

Five step progressive evolution

Phase 1

A world of independent and different overlay networks. Wireless, wired, data center & cloud acting alone.
Separate and distinct without user differentiation.
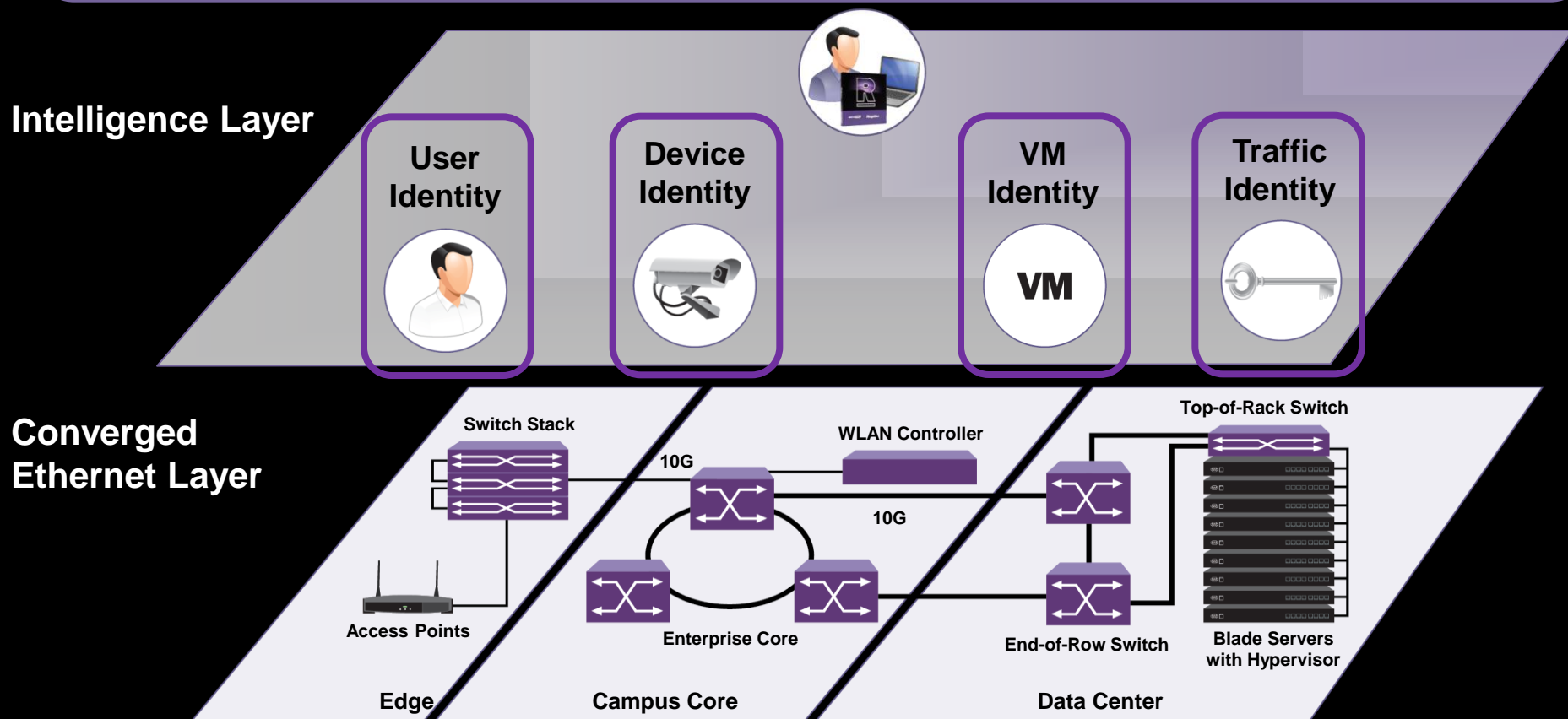
Intelligence Layer

Converged Ethernet Layer

Switch Stack

Top-of-Rack Switch

WLAN Controller

10G

10G

Access Points

Enterprise Core

End-of-Row Switch

Blade Servers with Hypervisor

Edge

Campus Core

Data Center

Five step progressive evolution

Phase 2

Convergence of the wired & wireless edge; virtualized Ethernet data center Identity Management for people, physical and virtual machines

Intelligence Layer

User Identity

Device Identity

VM Identity

VM

Traffic Identity

Converged Ethernet Layer

Switch Stack

WLAN Controller

Top-of-Rack Switch

10G

10G

Access Points

Enterprise Core

End-of-Row Switch

Blade Servers with Hypervisor

Edge
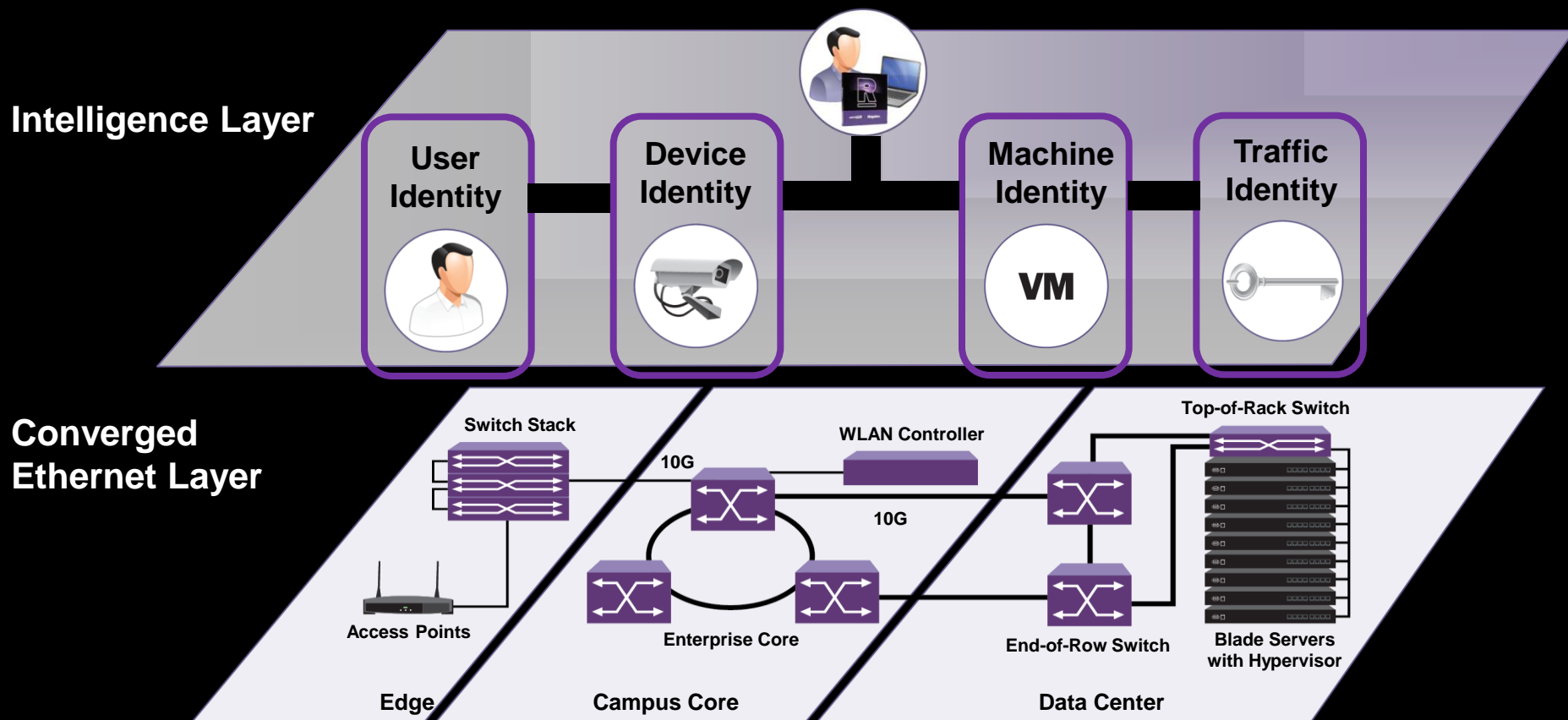
Campus Core

Data Center

Five step progressive evolution

Phase 3

Identity Management for users and machines spans the enterprise from the converged edge to the data center
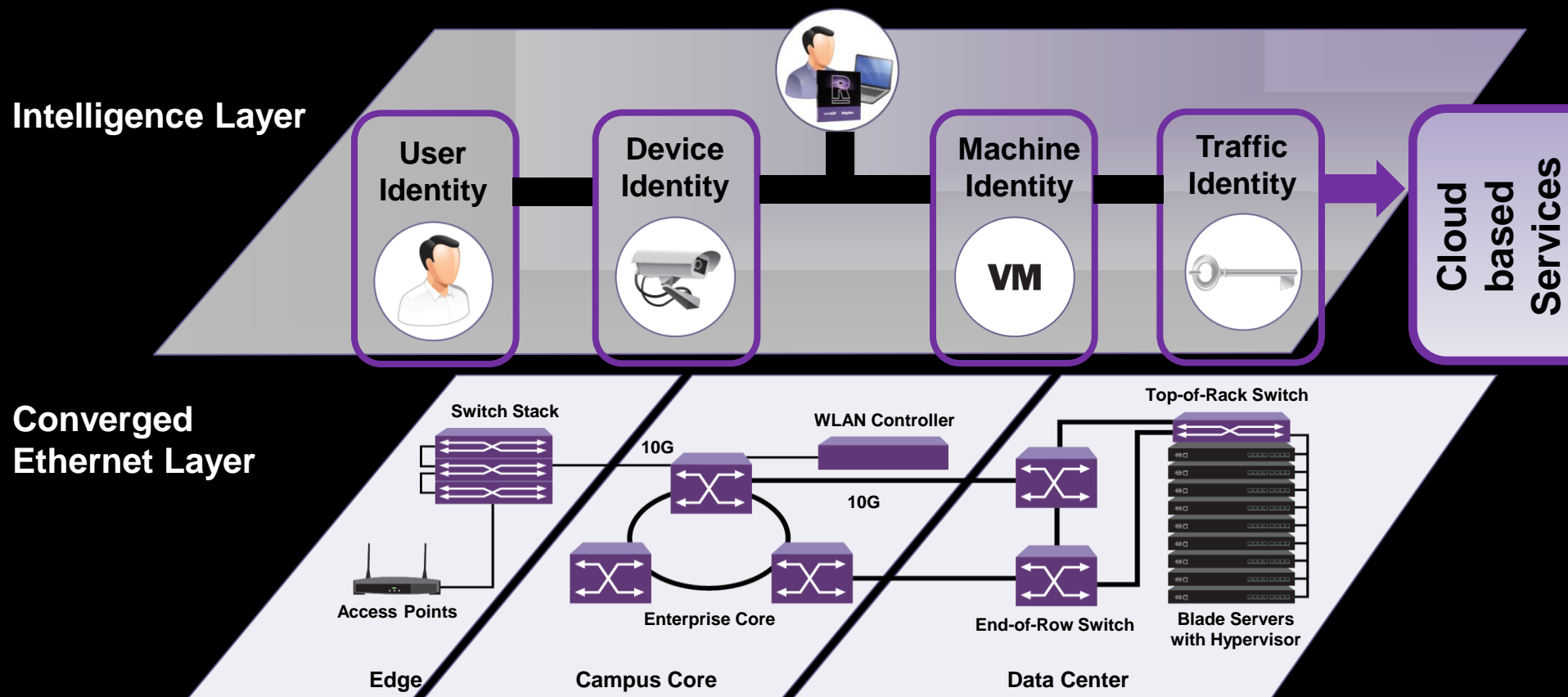
Policy management provides seamless user experience anywhere, anytime and across any device

Intelligence Layer

| User Identity | Device Identity | Machine Identity | Traffic Identity |

VM

Converged Ethernet Layer

Switch Stack

Top-of-Rack Switch

WLAN Controller

10G

10G

Access Points

Enterprise Core

End-of-Row Switch

Blade Servers with Hypervisor

Edge

Campus Core

Data Center

Five step progressive evolution

Phase 4

Seamless user experience from the edge to the cloud.

Integrity of identity between the data center and the cloud.

Users unaware of application and data movement to the cloud.

Intelligence Layer

| User Identity | Device Identity | Machine Identity | Traffic Identity | Cloud based Services |

Converged Ethernet Layer

Switch Stack

Top-of-Rack Switch

WLAN Controller

10G

10G

Access Points

Enterprise Core

End-of-Row Switch

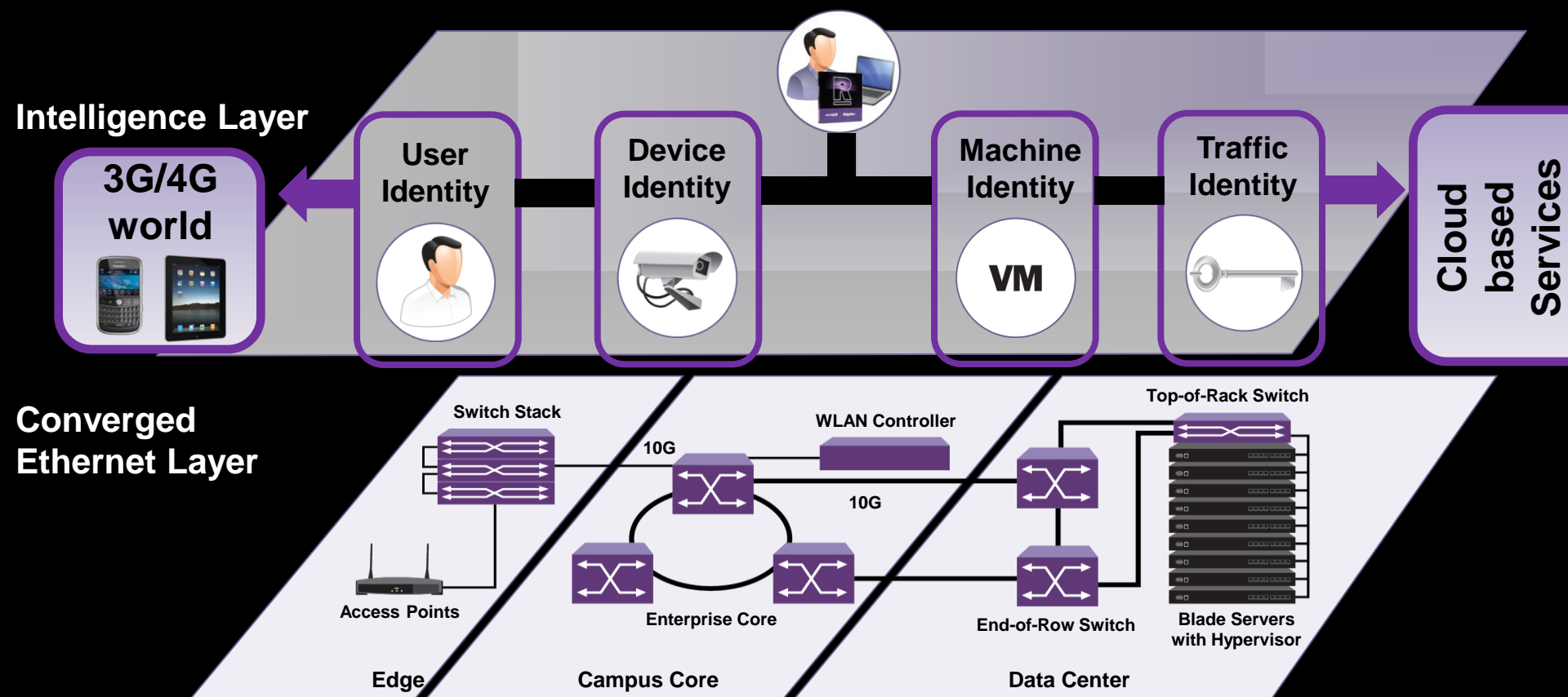Blade Servers with Hypervisor

Edge

Campus Core

Data Center

Five step progressive evolution

Phase 5

Seamless user experience across all networks.
Quality of User Experience extends identity into public mobile networks.

Intelligence Layer

3G/4G world

User Identity

Device Identity

Machine Identity

VM

Traffic Identity

Cloud based Services

Converged Ethernet Layer

Switch Stack

WLAN Controller

Top-of-Rack Switch

10G

10G

Access Points

Enterprise Core

End-of-Row Switch

Blade Servers with Hypervisor

Edge

Campus Core

Data Center

Leveraging Identity

Power Management

Phones, access points, printers and other devices adapt to user needs in real-time to lower power consumption.

On-boarding

User security and network policy is controlled by HR directory. Every network user is unique.

Move, Add, Change

Users can relocate themselves within policy without IT needing to do a 'truck roll'.

Data Flexibility

Storage is attached to Ethernet and guaranteed priority when bandwidth contention occurs.

Network Security

Network integrates with universal threat management to enable users and shun threats.

Physical Security

Video surveillance, motion detection, and property access integrated on a converged network.
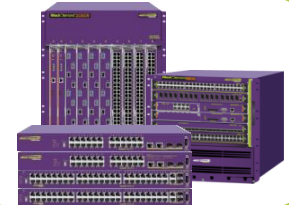
Extreme Networks

Our Mission

Deliver a network that is **optimized for the new mobile world** of people and machines, providing pervasive access, awareness and control, **from the converged edge to the cloud.**
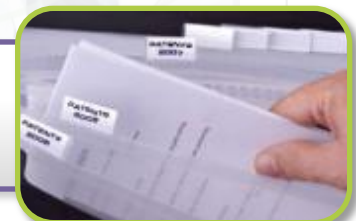
Over 10 years
on NASDAQ

Over 25 million ports
shipped worldwide

Over 600
partners worldwide

Over 200 patents
issued or pending

Thank you

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Make Your Network Mobile