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C-Scape Program **Ciscolive The Internet of Things** Introduction to IoT Solutions

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Dave West Chief Technology Officer

Bastiaan Toeset Managing Director, Transformational Accounts and IOE

TOMORROW starts here.

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Agenda

- Internet of Things
 - The Vision
 - What it means for Cisco
 - Fog Compute & IoX
- Connected IoT Architectures
- Next Steps



Industrial Revolutions



What is the Internet of Things?

The Internet of Things (IoT) is the secure connection of all machines, devices, sensors, and "things" which will enable new business models, deliver cost savings, save time and even help save lives.

Why Internet of Things?



Operational Efficiencies

Smarter Business Process

Economic Growth



What Does This Mean...







Regulatory Compliance

Safety and Security

Workforce Optimization

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IoT Rapid Growth



Cisco IBSG projections, UN Economic & Social Affairs http://www.un.org/esa/population/publications/longrange2/WorldPop2300final.pdf

Billions of Devices



Industry Mapping, Anchor Solutions and Use Cases

Industry	Vertical			
Industrial	Manufacturing	Auto, Heavy Equip/ Discrete, CPG	Connected Factory	Converged Factory Network Plant&Control Room Mobility Secure Factory Controls Machine-as-a-Service
		Materials & Mining	Connected Mine	Connected Mining Vehicle Connected Mine Operations Asset Tracking & Personnel Safety
	Transportation	Rail, Transit Fleet, Public Safety	Connected Rail Connected	Connected Train Connected Trackside Connected Station Connected Transit
	Energy	Utilities	Fleet Connected Utility	Connected Public Safety Distribution Automation Advanced Metering Infrastructure Substation Automation Workforce Enablement
		Oil and Gas	Connected Oilfield	Oilfield Remote Operations Oilfield Collaborative Operations Secure Facility Operations
Public Sector	Government	Local Government	Connected City (S+CC)	Smart+Connected Parking Smart+Connected Traffic Smart+Connected City Wifi
		Government Defense & Safety	Connected Defense	Connected Operational Space Common Operational Picture
Service Provider	Service Provider/ M2M	SP/M2M	Connected IoT Service Provider	Connected Remote SP Operations Connected Supply Chain Connected Customer Kiosk
Consumer	Sports & Entertainment	Events & Venues	Connected Sports	Stadium Vision IPTV/Signage Connected Stadium Infrastructure High Density Fan Wifi Fan Mobile Experience

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Cisco Internet of Things Solutions



Data Center/Virtualization

Introducing Cisco IOx



BYOA/BYOI: Bring Your Own Application, Bring Your Own Interface

Cisco IOx Enables Applications At The Network Edge



Hardened Edge Devices: Embedded Storage and Compute

Cisco's Innovation Framework



