Enabling the Internet of Things in Your Mobile World

By the end of 2014, there will be 16 billion Internet of Things (IoT) devices, or slightly more than 2 devices for every human being on the planet. Look ahead to 2020, and the number of connected devices is forecast to be 50 billion.

This exponential increase in connected devices is producing a deluge of mobile data traffic, management, and applications - all leading to opportunity. You need an expanded, adaptable, and secure infrastructure to win new business and stay competitive.

Harness the IoT Opportunity

Cisco® IoT Cloud Connect is a hosted managed cloud IoT platform that manages and automates IoT service delivery for mobile network operators. This solution delivers the most complete set of features and functions in the industry, while providing the fastest and easiest path to market.

The Cisco IoT Cloud Connect hosted offering is a holistic approach to help you address IoT and machine-to-machine (M2M) go-to-market needs. It combines the power of Cisco’s innovative packet core portfolio and M2M services delivery platform with the technologies of Cisco’s IoT ecosystem partners across the M2M value chain.

Main Differentiators of Cisco IoT Cloud Connect

- Global IoT connectivity and management
- Lower point of entry and cost structure, for higher profitability
- Quicker time to market
- Capability for mobile network operators to win business at lower Average Revenue Per Connection (ARPC)
- Complete cloud-based solution and joint Cisco and mobile operator partnership, not just point products
- Cisco IoT ecosystem partners

Business Benefits

- Reduce inventory, downtime, and time to market with cloud-based, data-driven operation efficiency.
- Support business evolution with a reliable, transparent technology foundation that is compatible with future technology releases.
- Profit from new business opportunities and revenue streams.
- Reduce risk from a holistic, more easily managed and secure approach to address physical and cyber vulnerabilities.
- Enable faster and better decision making through informed prioritization.
Flexible Deployment Options
Cisco IoT Cloud Connect components are offered in multiple packages, giving you greater flexibility for a more successful service offering (Figure 1).

Figure 1. Cisco IoT Cloud Connect Components

At the Center of the Solution: Cisco Virtualized Packet Core
As the industry’s most complete, fully virtualized packet core, the new Cisco Virtualized Packet Core solution redefines agility for service providers. Now capture untapped revenue opportunities, particularly with the proliferation of Internet of Everything (IoE) and M2M connections.

The Cisco Virtualized Packet Core solution combines all packet core services - for 4G, 3G, 2G, Wi-Fi, and small cell networks - into a single solution. Because those services are virtualized, you can scale capacity and introduce new services much more quickly and cost effectively.

The Cisco Virtualized Packet Core solution is based on the same proven StarOS software used in the Cisco ASR 5000 Series platform, which is deployed by more than 350 mobile operators globally. Designed to distribute and manage packet core functions across physical and virtual resources, the Cisco Virtualized Packet Core solution lets you easily transition between resources, or use both simultaneously.

Cisco IoT Cloud Connect Technology Partners
At Cisco, we connect the unconnected with an open standard, integrated architecture from the cloud to end devices with exceptional reliability and security. The Cisco Developer Network program provides opportunities for ecosystem partners and application developers to create and market IoT products and solutions with Cisco. Customers benefit from integrated, tested, and validated solutions, saving time and resources in deployment, operations, and support.