

NTT Com Global Cloud Services

NTT Communications Corporation

November 1, 2013



SEAMLESS CLOUD FOR THE WORLD



Global ICT Partner
Innovative. Reliable. Seamless.

Agenda

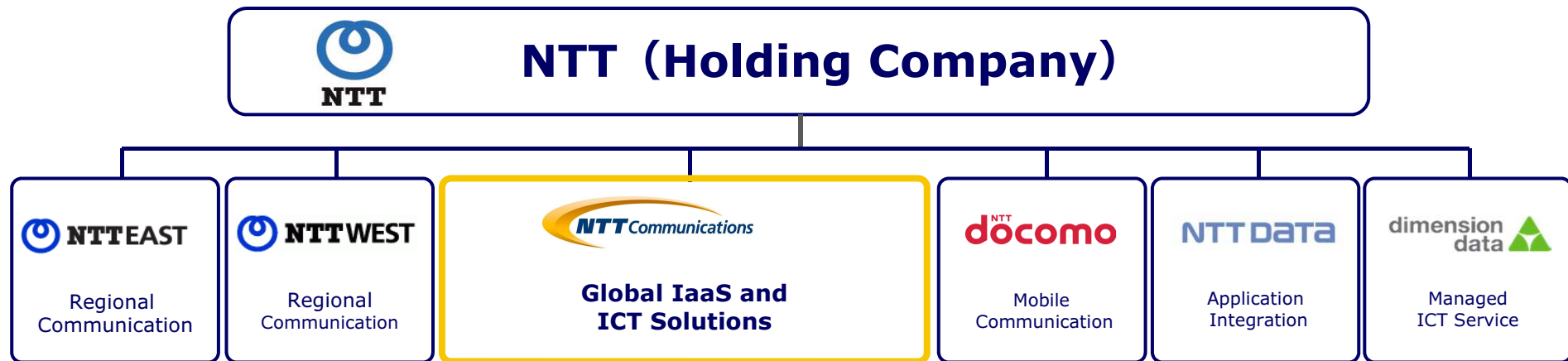
1. Group Structure

2. Vision

3. Offering Strategy (Global Cloud)

1. Group Structure

NTT Group at a glance



FY 2012 Financial Result (As of end of March 2013)

- Operating Revenues: JPY 1,194 B (USD 11.9B)
- Operating Income: JPY 116 B (USD 1.2B)

Global Deployment (As of end of July 2013)

- Offices in **31** countries/regions, **84** cities (excluding Japan)
 - Global Network Service in **160** countries/regions
 - Largest Global Tier1 IP backbone provider in Asia
- More than **140** self-owned data center with a combined server space of over **180,000m²** with strong expansion in Asia and Europe
 - Since 2006, invested **USD 750 million** to acquire 13 companies

* Figures in USD are not official data but reference (USD 1 is JPY 100)

Key Subsidiaries of NTT Communications

NTT Com Group supports Customers based on subsidiaries and offices in 87 cities in 31 countries on a global scale.



Major M&A activities



Secode *re-branded as
NTT Com Security in June 2013.
Acquired: 2010
Business: Managed Security Services



Arkadin
Acquired: planned in 2013
Business: Audio/Video Conferencing Services



Integralis *re-branded as
NTT Com Security in June 2013.
Acquired: 2009
Business: Managed Security Services



Gyron
Acquired: 2012
Business: Data Center Services



Netmagic Solutions
Acquired: 2012
Business: Data Center and Regional Cloud Services



DTSI Group
Acquired: 2012
Business: Contact Center Solution, System Integration for BPO, etc.



Emerio GlobeSoft
Acquired: 2010
Business: IT Outsourcing Services (ie. IT Help Desk)



Frontline Australia
Acquired: 2010
Business: Managed Security Services



Raging Wire
Acquired: Oct 2013
Business: Datacenter



Pacific Crossing
Acquired: 2009
Business: Construction of Submarine Cabling System



2. Vision

Our Vision

“Vision 2015” (Corporate Vision)

NTT Communications is becoming
a global leader of ICT services
(**Global ICT Partner**)

To achieve “Vision 2015,” NTT Communications
is providing globally seamless services



“Global Cloud Vision” (Service Vision)

Provide Global Total ICT Outsourcing by leveraging the **strength as a telecom carrier**, taking advantage of the customers’ transition to Cloud-based ICT systems.

Global Cloud Vision extends beyond Cloud services to encompass the entire service vision of the NTT Com Group.



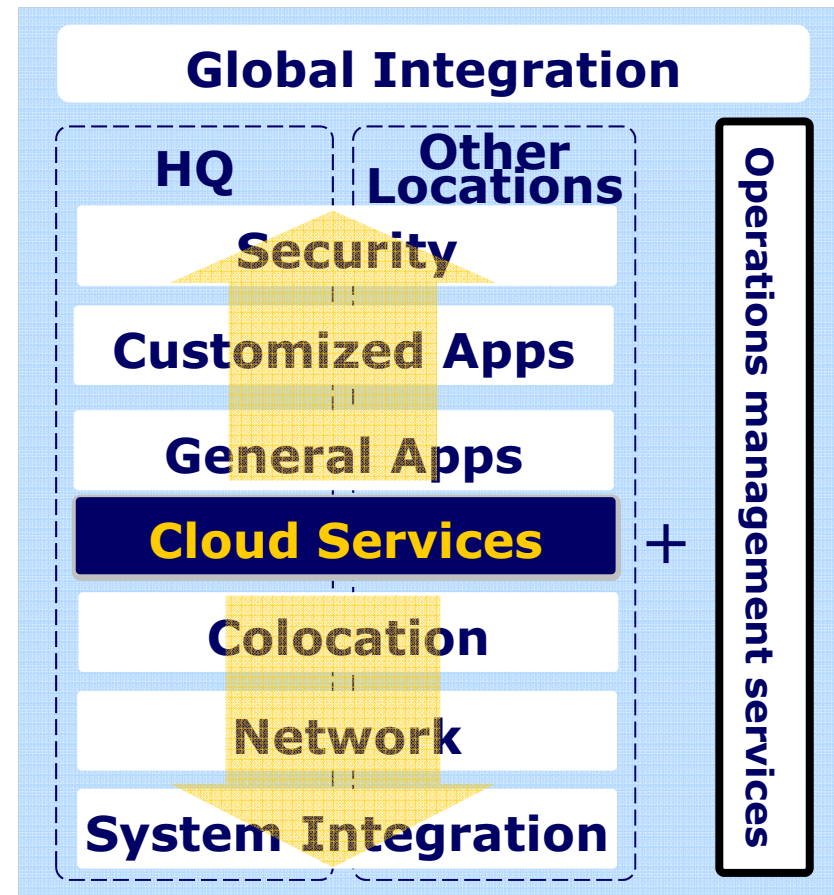
Our Value Proposition

Global Total ICT Outsourcing based on Global Cloud Vision enables customers to focus their resources on the innovation

- (1) Build flexible, low-cost ICT environments to respond to business challenges**
- (2) Optimize ICT environments on a global scale**
- (3) Strengthen businesses through safe, secure ICT environments**



Example of Global Total ICT Outsourcing



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9 Key Features of Global Cloud Vision 2013

Develop competitive advantage through the 9 key features below

Infrastructure

**General
Application**

**Cloud
Migration**

Network

**Managed
Security**

**Operations
Management**

Cloud

**Customer
Portal**

Partnership

Our Target for Cloud and DC Businesses

Cloud and DC Businesses Target Revenue with Organic Growth

Over 200 billion JPY

99 billion JPY

(990 Million USD*)

(2 billion USD*)



2012



2015

(*1 USD = 100 JPY)



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3. Offering Strategy

Major Submarine Cable Systems



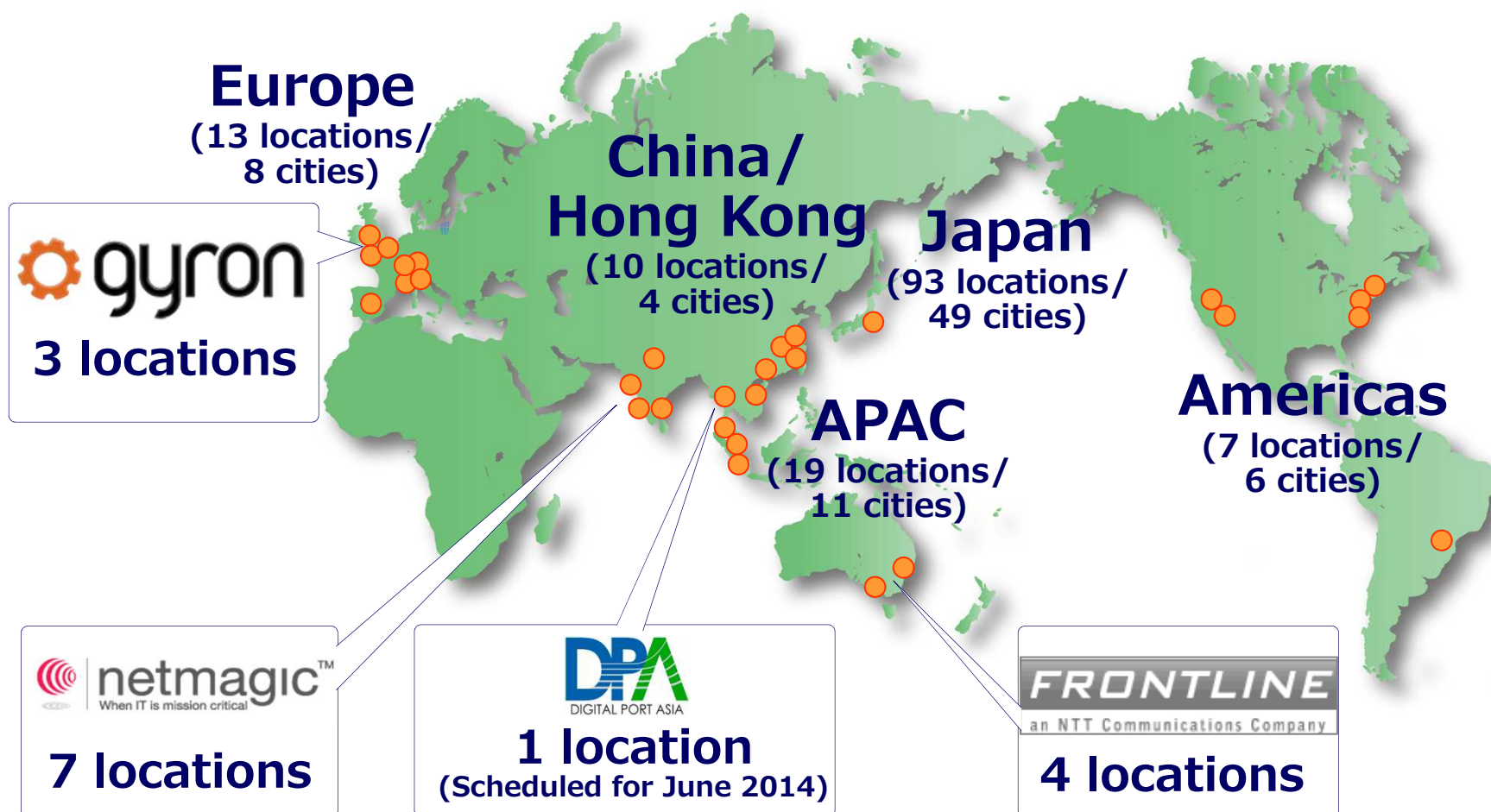
***1 ASE : Asia Submarine-cable Express**

***2 PC-1 : Large Capacity, Low Latency cable system
between Japan and the US**

***3 APG : Asia Pacific Gateway**

Global Deployment of DCs

Deploy 142 DCs with 170,000m² Server Floor Space



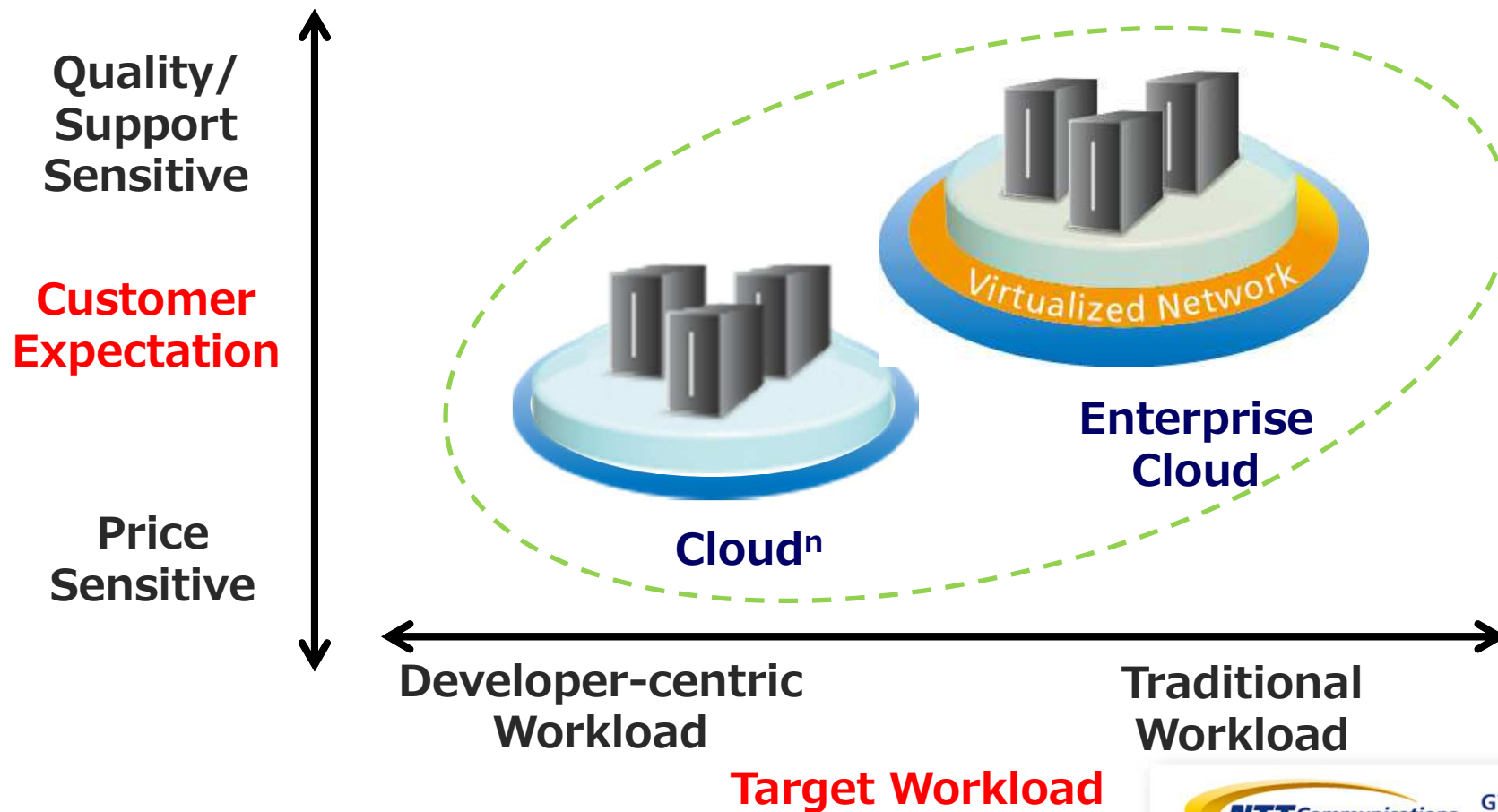
Newly launched global brand: **Nexcenter**



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Our Cloud Services

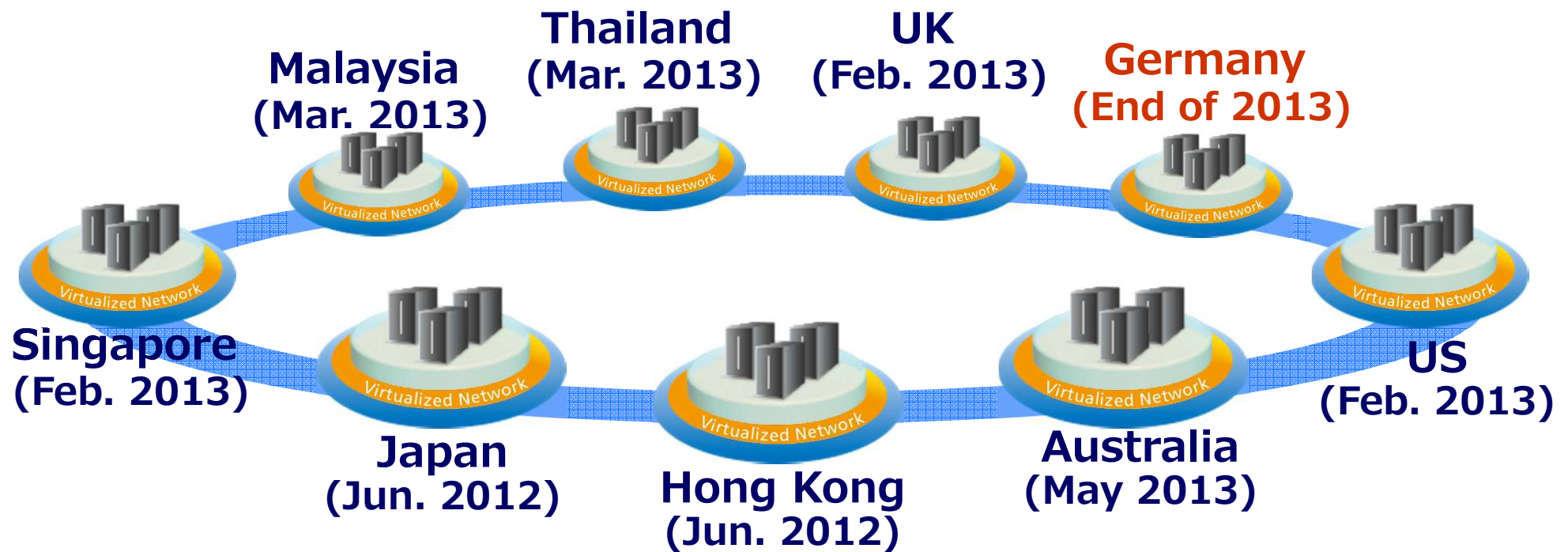
Customers can optimize their Cloud environment from 2 Cloud services based on their workload requirements and expectations



Global Deployment of Enterprise Cloud

Global Deployment with World's First Commercial Service introduced Virtualized Network Technology

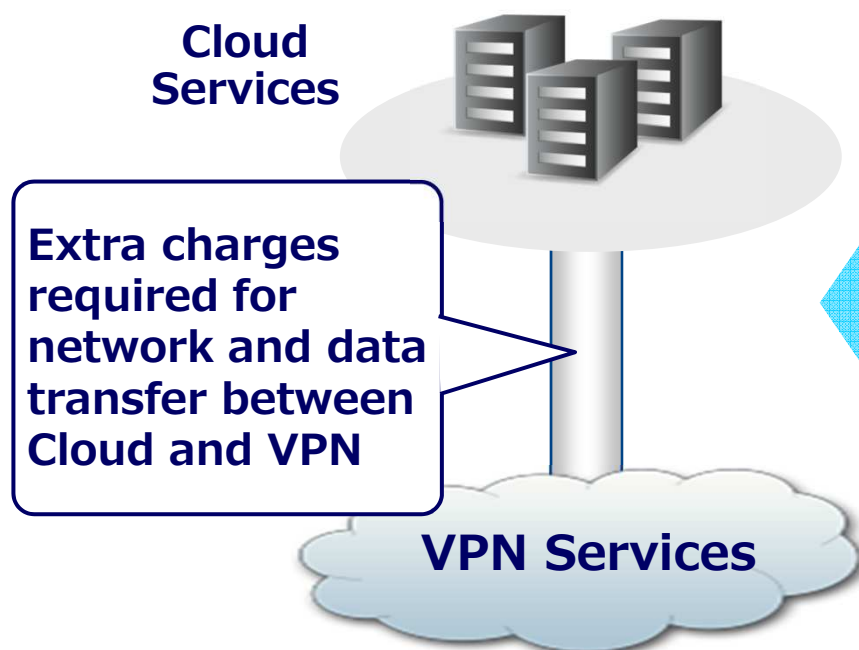
8 countries, 10 locations \Rightarrow 9 countries, 11 locations
(End of 2013)



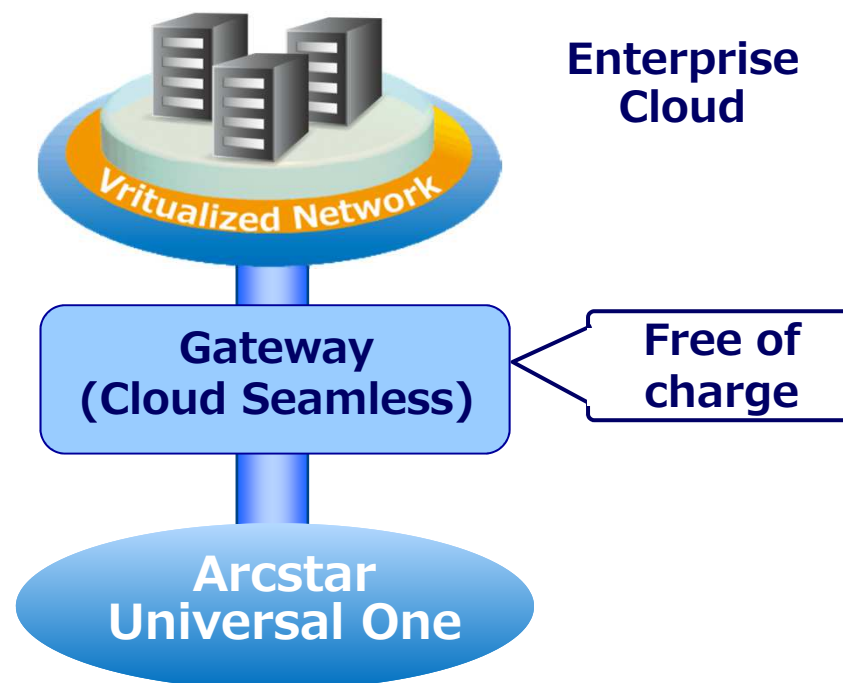
Cloud Seamless Network

Arcstar Universal One provides Network connections to Enterprise Cloud without additional charge

Other Cloud Providers

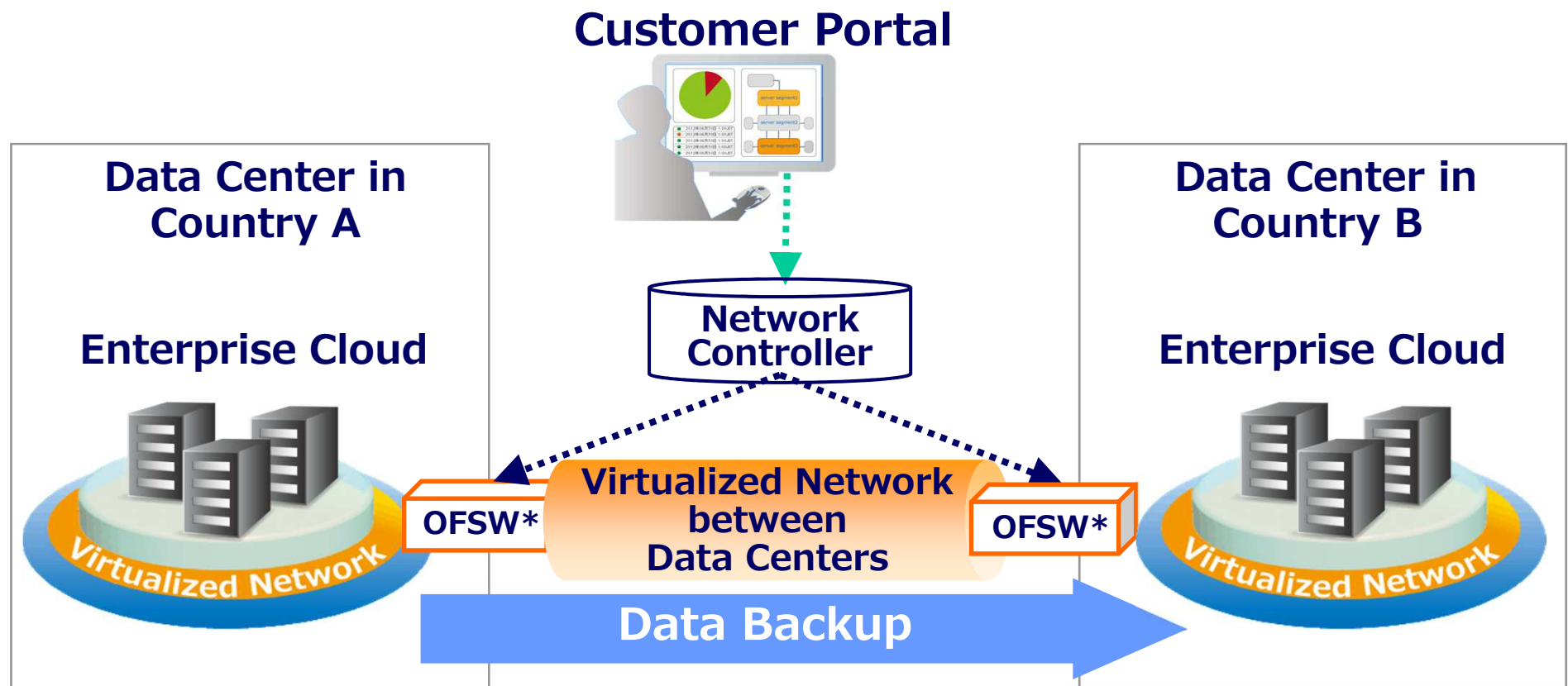


NTT Communications



Backup utilizing Virtualized Network

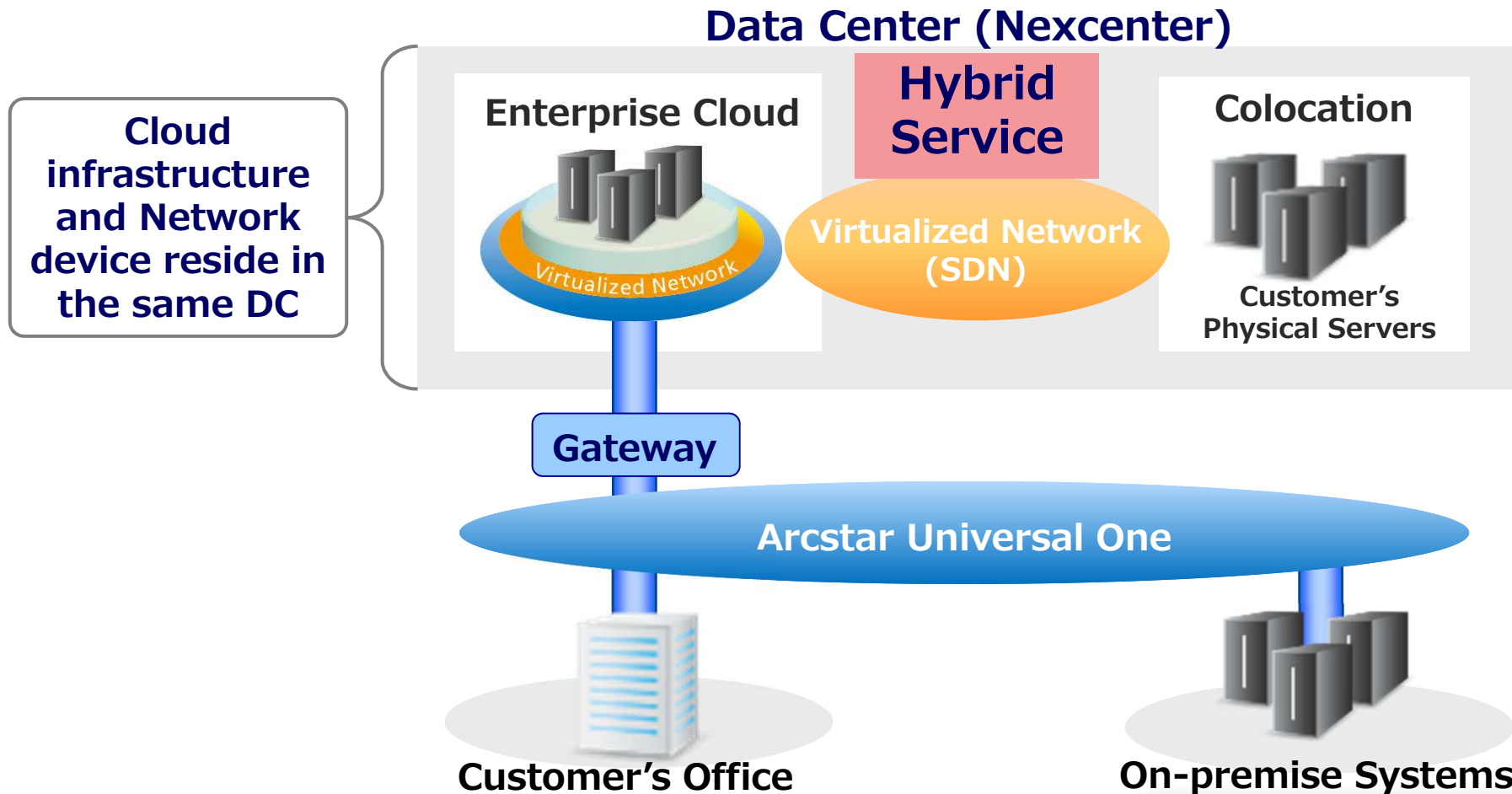
On-demand and low-priced Global Data Backup Service through Customer portal



* OFSW : OpenFlow Switch

Hybrid Services utilizing SDN

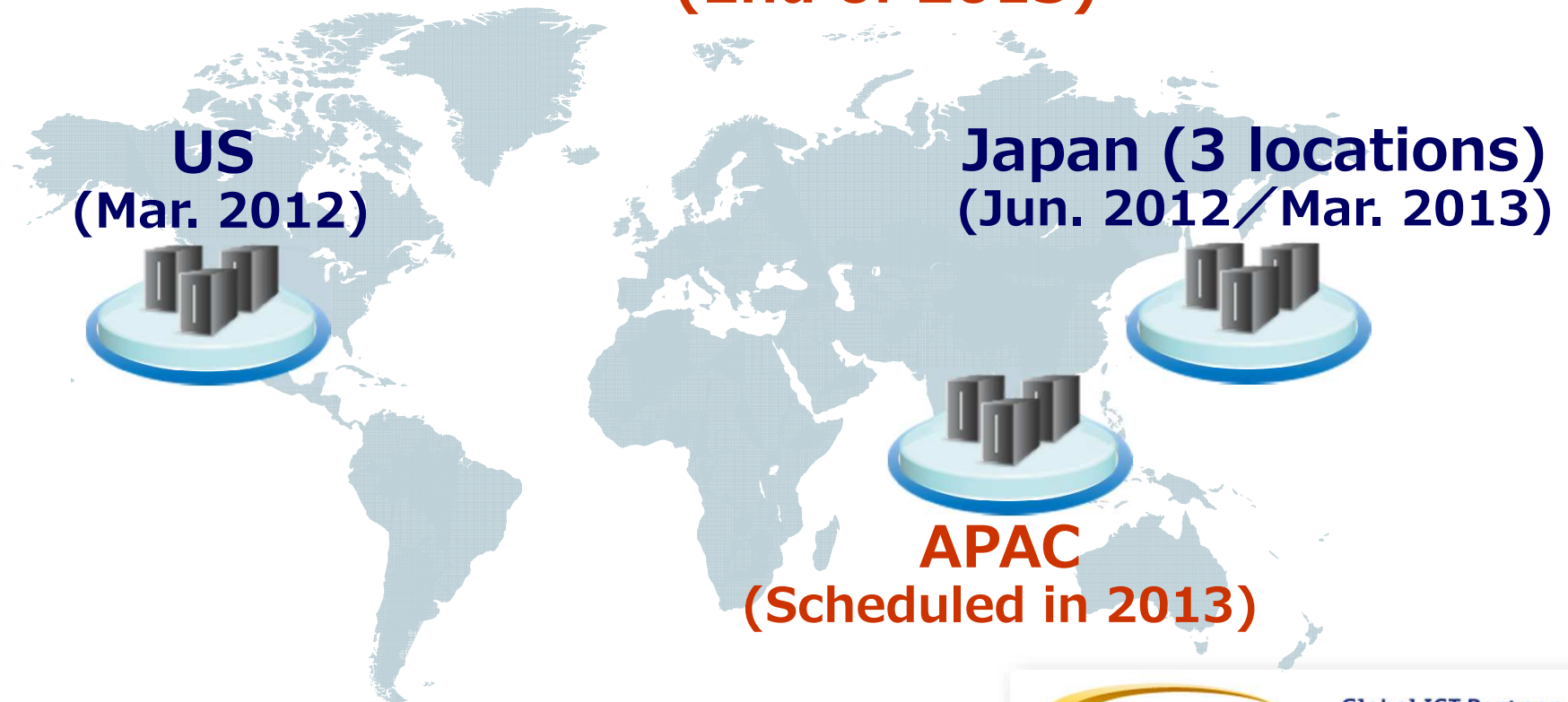
Hybrid service utilizing Virtualized Network Technology



Cloudⁿ Deployment

Service Expansion into APAC location with Frequent Function Enhancement

**2 countries, 4 locations ⇒ 3 countries, 5 locations
(End of 2013)**

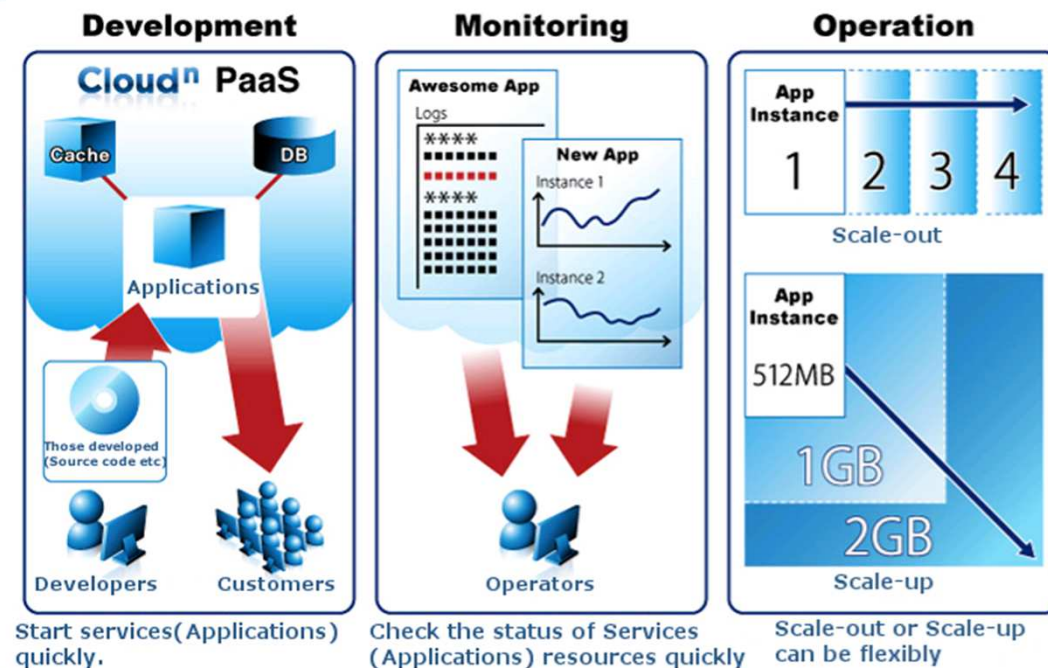


Cloudⁿ Enhancement

Launched on October, 2013

		FLAT type	VPC type	
			Open Network	Closed Network
Use case		Web system	Integrated Web system	Intranet system
Function	Network			
	Internet	✓	✓	✓
	VPN	—	Internet VPN	Arcstar Universal One
	Private Network Segment	—	✓	
	Auto scale	✓	✓	—
	Self Management	through Customer Portal		
API		over 150 including AWS compatible		Planned

Agile and flexible development environments for developer-centric market with low operation cost



Product strategy:

- Ensure application portability to relieve lock-in fear
 - Cloud Foundry open source
 - Pivotal relationship

Product status:

- Implement PaaS over Cloudn
 - Other cloud native services
 - RDB, MySQL, CDN, etc.
 - Support languages
 - Java, Ruby, etc.
- (Cloud Foundry compatible)
- Potential deployment over Enterprise Cloud

Awards

Telecom Asia Awards 2013

[April 17th, 2013]

-Best Cloud-Based Service

Enterprise Cloud was highly evaluated

-Best Asian Telecom Carrier

Business innovation, market leadership, etc., as a telecom operator were highly evaluated



Asia Communication Awards 2013

[June 20th, 2013]

-Wholesale Operator of the Year

Global IP Network (GIN)



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Awards

6th Annual Cloud Ranking

[Nikkei Computer, March 7th, 2013 Edition]

-Best Service

- Cloud Platform Service (IaaS/PaaS) Division
Biz Hosting *1
- Data Center Division
Data centers
- General Purpose Information SaaS Division
Biz Managed Security Services *2
- General Purpose Process SaaS Division
Salesforce over VPN
- Private Cloud Construction Support Service Division
Cloud Migration Service

-Best Brand

- **NTT Communications**

*1. Enterprise Cloud and Cloudⁿ

*2. WideAngle Managed Security Services



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Awards

World Communication Awards 2013 Shortlist

- Best Cloud Service**
- Best Global Operator**
- Best Wholesale Carrier**
- The Innovation Award**



[Source]

<http://www.terrapinn.com/2013/worldcommsawards/C46982.stm>

Thank you

NTT Communications Group contributes to

customers' management innovations

through Global Total ICT Outsourcing

