



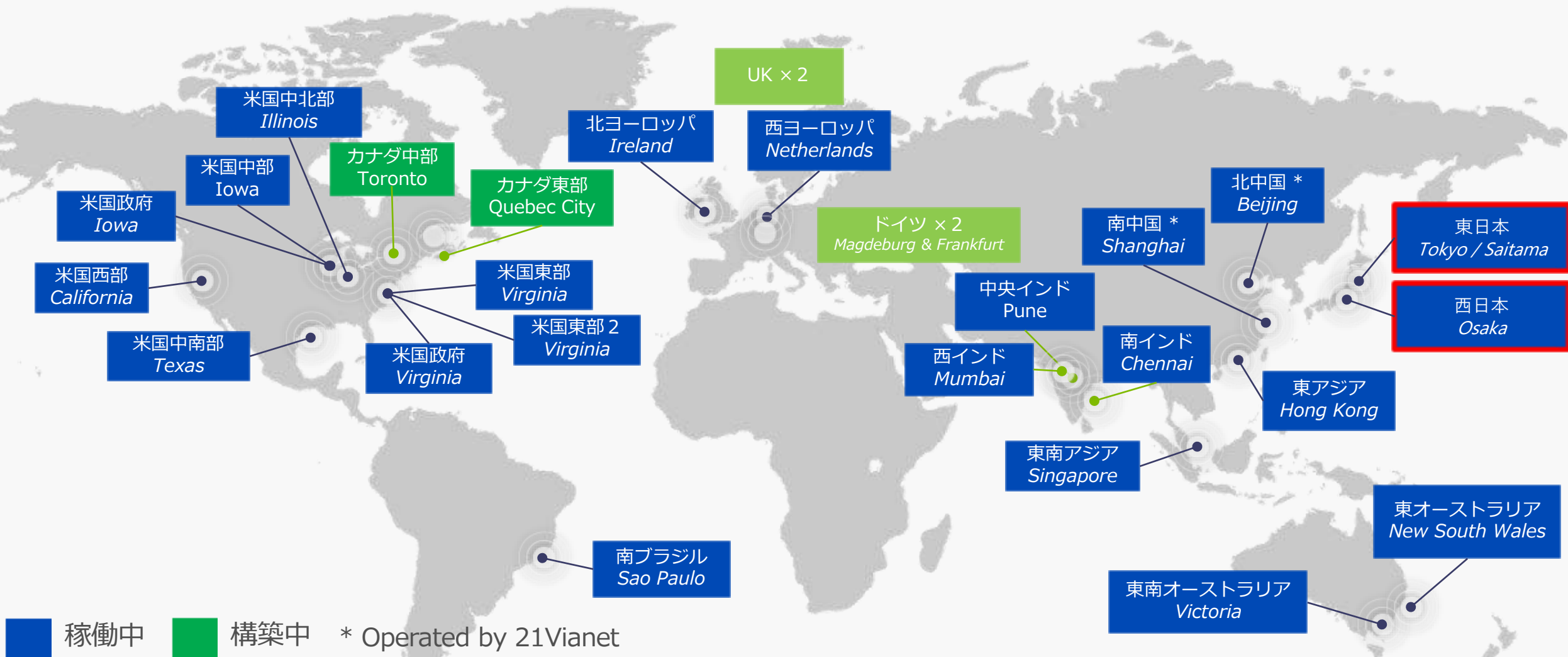
# マイクロソフトの製品・サービスとIPv6

日本マイクロソフト株式会社  
業務執行役員 ナショナル テクノロジー オフィサー

田丸 健三郎

# 2 世界最大のインフラストラクチャー

(2016年5月現在)









稼働中 構築中 \* Operated by 21Vianet

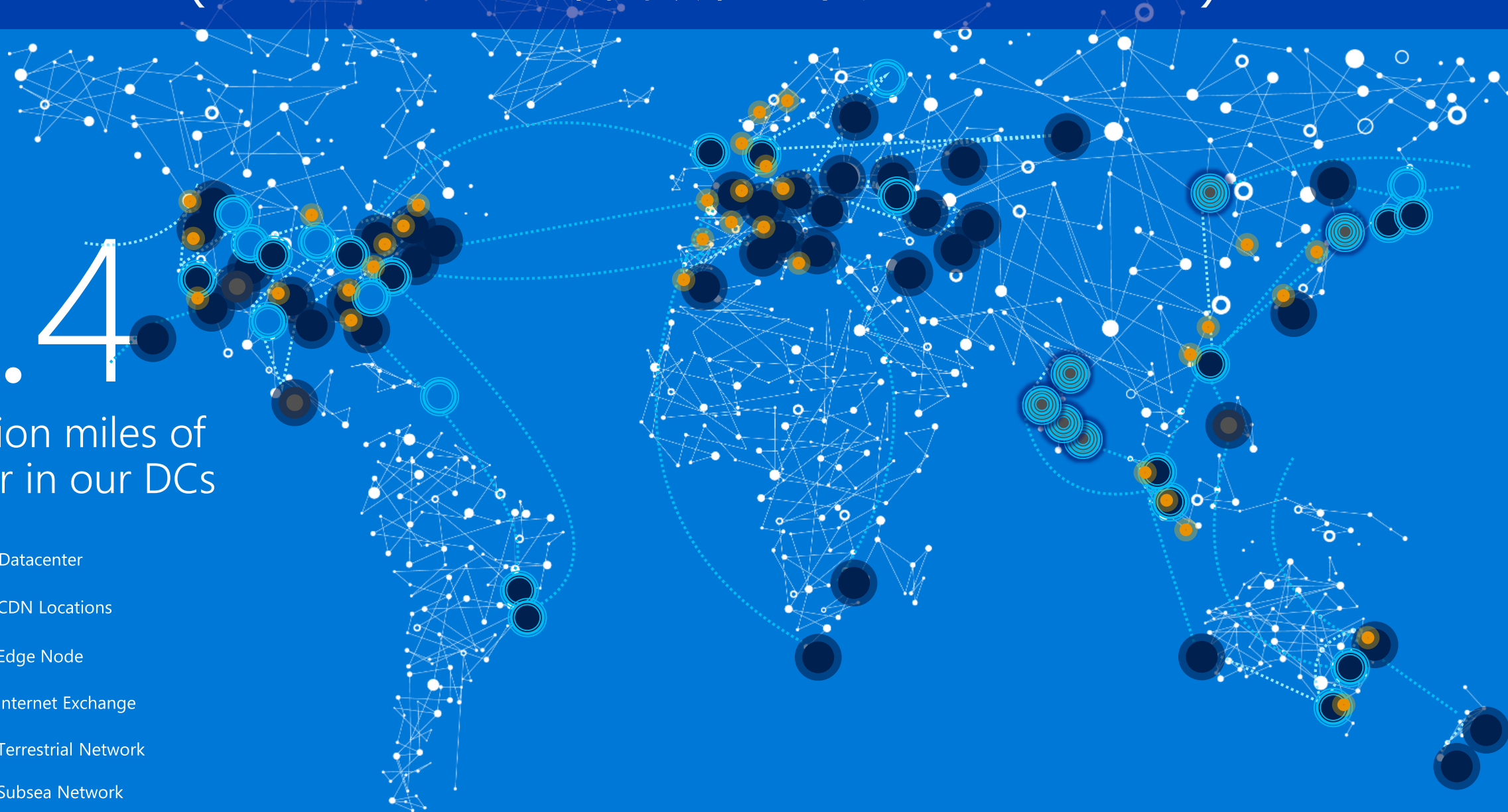
100か所以上・40か国以上・30リージョン+8

# マイクロソフトのネットワークは、世界第2位の規模 (上にいるのは、米国政府のネットワークのみ)

1.4

million miles of  
fiber in our DCs

-  Datacenter
-  CDN Locations
-  Edge Node
-  Internet Exchange
-  Terrestrial Network
-  Subsea Network



# Microsoft Azure はオープンプラットフォーム



## ■ 幅広いLinux ディストリビューションを動作保証

- Red Hat Enterprise / CentOS / SUSE / Ubuntu など各Linuxディストリビューションをサポート
- Oracle、MySQL、Redis、MongoDB を実行可能
- 動作保証済みLinuxディストリビューション

<https://azure.microsoft.com/ja-jp/documentation/articles/virtual-machines-linux-endorsed-distros/>



# Azure Cloud Platform Overview

## Platform Services

### Security & Management

- Portal
- Active Directory
- Multi-Factor Authentication
- Automation
- Key Vault
- Store / Marketplace
- VM Image Gallery & VM Depot

### Compute

- Cloud Services
- Service Fabric
- Batch
- Remote App

### Web and Mobile

- Web Apps
- API Apps
- API Management
- Mobile Apps
- Logic Apps
- Notification Hubs

### Developer Services

- Visual Studio
- Azure SDK
- Team Project
- Application Insights

### Hybrid Operations

- Azure AD Connect Health
- AD Privileged Identity Management
- Backup
- Operational Insights
- Import/Export
- Site Recovery
- StorSimple

### Integration

- Storage Queues
- Biztalk Services
- Hybrid Connections
- Service Bus

### Analytics & IoT

- HDInsight
- Machine Learning
- Data Factory
- Event Hubs
- Stream Analytics
- Mobile Engagement

### Data

- SQL Database
- SQL Data Warehouse
- Redis Cache
- Search
- DocumentDB
- Tables

### Media & CDN

- Media Services
- Content Delivery Network (CDN)

## Infrastructure Services

### Compute

- Virtual Machines
- Containers

### Storage

- BLOB Storage
- Azure Files
- Premium Storage

### Networking

- Virtual Network
- Load Balancer
- DNS
- Express Route
- Traffic Manager
- VPN Gateway
- Application Gateway

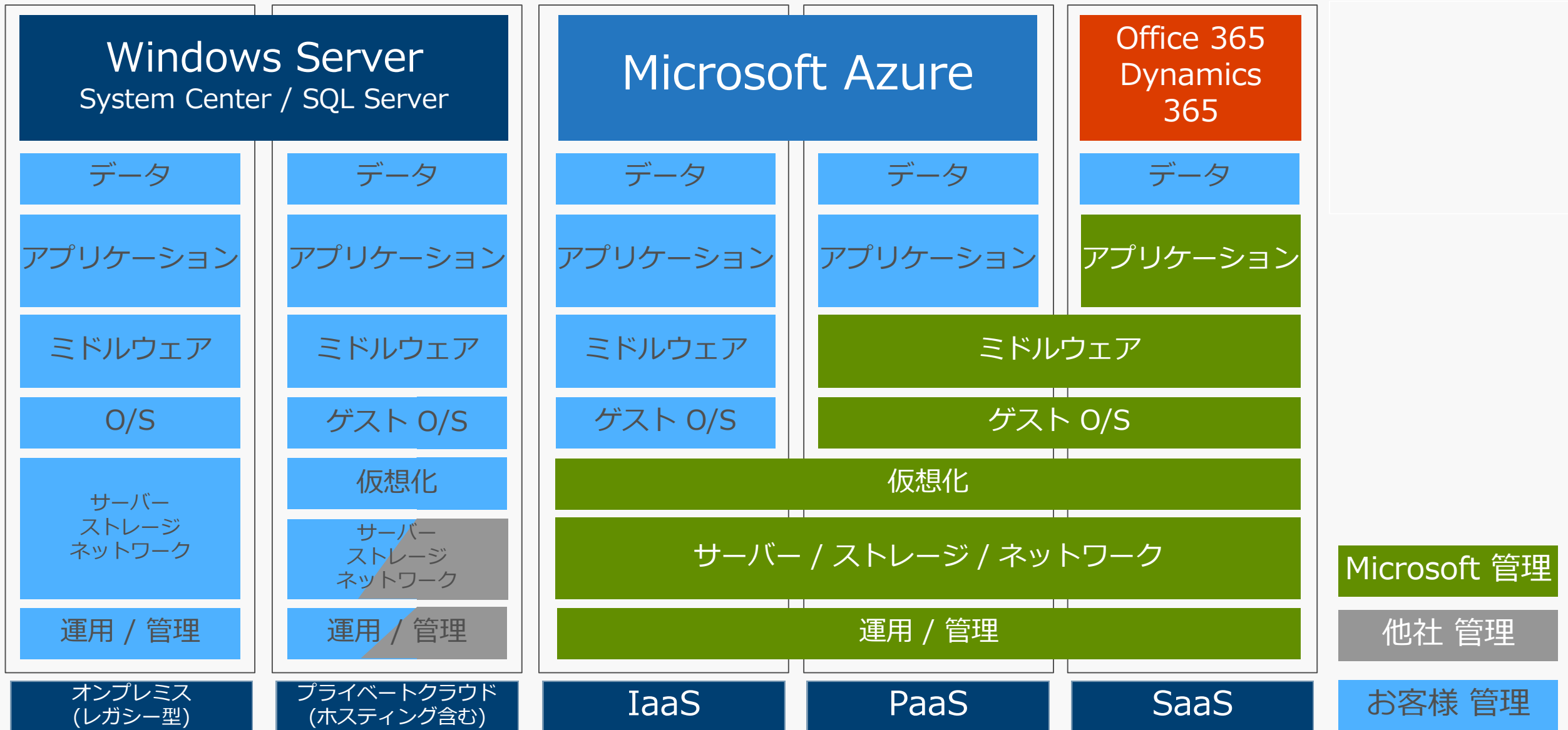
Datacenter Infrastructure  
(28 Regions, 22 Online)





# マイクロソフトのクラウドソリューションマップ

←—— パブリック クラウド ——→



# IPv6 サポート状況

## オンプレミス

- Windows、Office、Exchange Server、SQL Server

## クラウド

- Office 365、Azure、Microsoft.com

<https://technet.microsoft.com/en-us/network/hh994905.aspx>

## IPv6 Support in Microsoft Products and Services

**Last updated:** January 19, 2015

Since IPv6 was fully introduced in Windows Server 2008 and Windows Vista, Microsoft has been working to support this next generation Internet protocol.

The tables below provide a summary view of the IPv6 support status of various products and services from Microsoft. Where available, links to additional information about the support state of the products have been included.

Further information about server products is available through our Common Engineering Criteria (CEC). All server products are required to comply with a set of engineering requirements as part of the CEC program, which includes support for IPv6.

### Products

Product name	Full IPv6 support	Limited IPv6 support	Full IPv4 support	Additional information
DNS Server 2008 R2	●		●	DNS Enhancements in Windows Server 2008
DNS Server 2006	●		●	DNS Enhancements in Windows Server 2008
DNS Server 2003			●	DNS Enhancements in Windows Server 2008
Dynamics AX 2012	●		●	Microsoft Dynamics AX 2012 System Requirements
Dynamics CRM 2011	●		●	Active Directory and network requirements for Microsoft Dynamics CRM
Dynamics NAV 2009 R2		● Dual-stack support*	●	
Dynamics SL 2011	●		●	
Exchange Server 2013	●		●	IPv6 Support in Exchange 2013
Exchange Server 2010		●	●	Understanding IPv6 Support in Exchange 2010
Exchange Server 2007		●	●	IPv6 Support in Exchange 2007 SP1 and SP2
Forefront Identity Manager (FIM)	●		●	Microsoft Identity Management software support for IPv6
Forefront Online Protection for Exchange (FOPE)			●	
Forefront Threat Management Gateway 2010			●	Unsupported configurations
Forefront Unified Access Gateway 2010			●	Support boundaries
Internet Explorer	●		●	IPv6
Lync Server 2013	●		●	IP and networking protocol support in Lync Server 2013
Lync Server 2010			●	IP and Networking Protocol Support



Microsoft