Azure ExpressRoute Partner updates

February 2025

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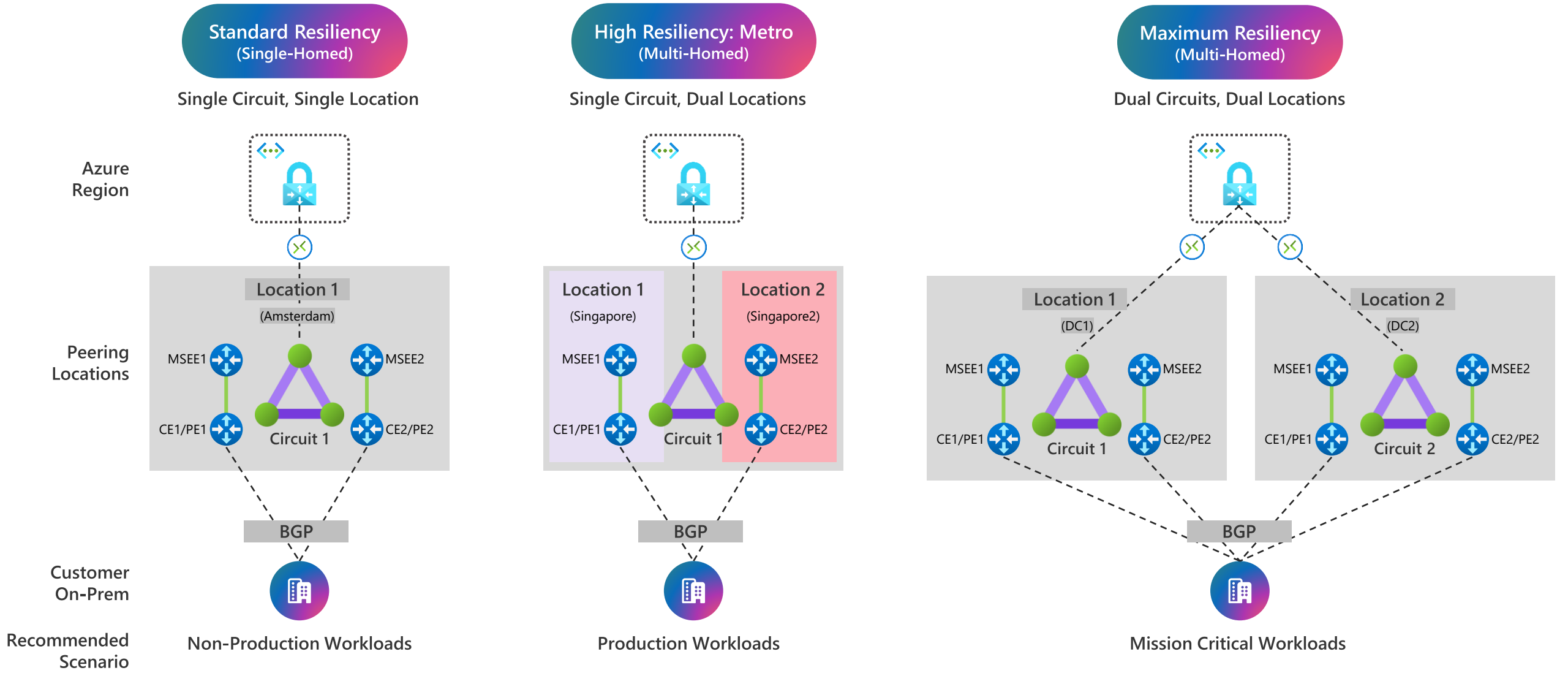
Agenda

- ExpressRoute Resiliency Levels
- Recent Product Enhancements
- New Location Roadmap
  - Standard Locations
  - Metro Locations
- Retirements
- Updates to Provider Limits

Standard, High, and Maximum Resiliency



MSEE = Microsoft Enterprise Edge Device; CE = Customer Edge Device; PE = Provider Edge Device

Recent Product Enhancements (Overview)

General availability

ExpressRoute Metro (High Resiliency)
Built-in site resiliency across two distinct peering locations in a metro city. Availability SLA of 99.9%

Guided Configurations
Ease of setting up multi-site deployments for maximum and high resiliency. Max resiliency provides 99.95% Availability SLA

Seamless Gateway Migration
Migrate ExpressRoute Gateways to zone-redundant deployments and Standard Public IPs with zero downtime

FastPath with UDR/Virtual Network Peering
Route on-prem traffic directly to peered Vnet and UDR endpoints, bypassing the ExpressRoute Gateway

ExpressRoute Traffic Collector for Provider Circuits
Monitoring and analysis of traffic on 1G+ Provider circuits
IPFIX Flow logging of ExpressRoute traffic

Learned Remote Gateway routes control
Control if routes from remote ExpressRoute gateways will be learned or not; default changed to not learn routes

Public / Private Preview

Scalable Gateway
Auto scale ExpressRoute Gateway by bandwidth and flow count to achieve up to 40Gbps to the VNet

Resiliency Insights
Scorecard to evaluate the control plane resiliency and tailored recommendations for improvement

Resiliency Validation
Perform real-time site failover simulations to verify and improve workload connectivity resiliency

Resiliency Guard
Ensure Gateways associated with critical workloads are connected to circuits with multi-site resiliency, preventing unintentional risks of non-resilient setups

Microsoft Peering Prefix Validation
Enhanced validation for Public IP addresses advertised over Microsoft Peering to enforce robust ownership authentication

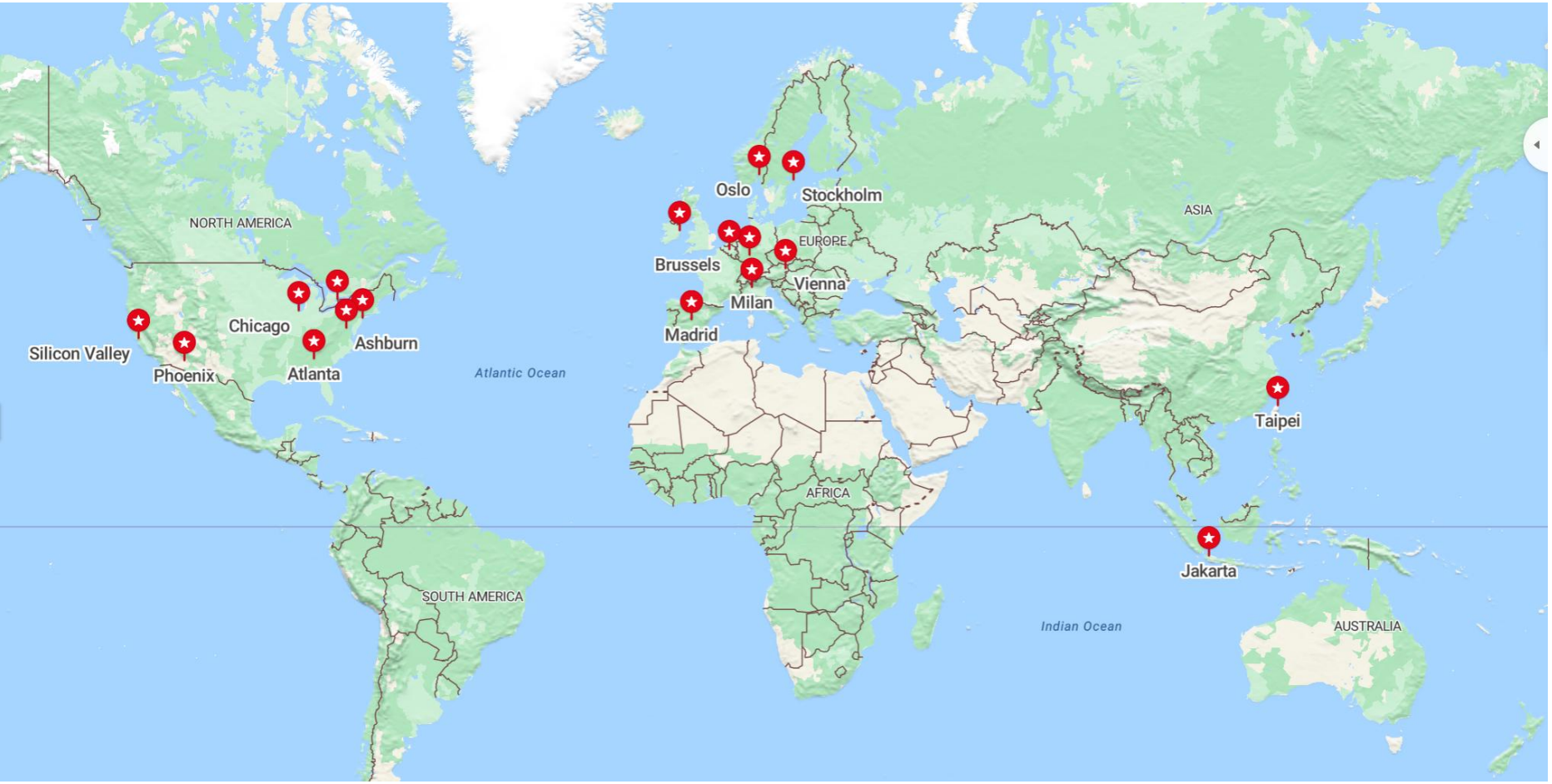
ExpressRoute Upcoming Sites: Next 6-8 months

SLIDE CONTAINS NDA INFORMATION

- Atlanta2 – Digital Realty ATL14
- Brussels - Digital Realty BRU4
- Brussels2 – LCL Brussels-North
- Jakarta - Neutra DC
- Jakarta2 - NTT GDC Indonesia
- Kuala Lumpur2 - Telekom Malaysia
- New York2 - 165 Halsey
- Oslo2 – Bulk OS-IX
- Stockholm2 - Digital Realty STO6
- Vienna - Digital Realty VIE1
- Vienna2 – NTT Data VIE1

ExpressRoute Metro Upcoming Sites: Next 12 months

SLIDE CONTAINS NDA INFORMATION



- Atlanta
- Ashburn
- Brussels
- Chicago
- Dublin
- Frankfurt
- Jakarta
- Madrid
- Milan
- New York
- Oslo
- Phoenix
- Silicon Valley
- Stockholm
- Taipei
- Toronto
- Vienna

Retirements

- **Support for Azure Classic Resource Management is ended.**
  - Azure Classic provider call support has ended. If you are a provider relying on classic provider calls and working to migrate to the ARM API, leverage the provider portal to manage customer circuit provisioning and deprovisioning.

- **New York (Equinix NY9) – Customer notice by - March 31st, 2025**
  - Replacement Sites:
    - New York (Equinix NY5) - Live
    - New York2 (165 Halsey) – Q2 CY25

- **Jakarta (Telin CDCI Cyber1) – Customer notice by - March 31st, 2025**
  - Replacement Sites:
    - Jakarta (Neutra DC) – Scheduled Live date: March 2025
    - Jakarta2 (NTT GDC Indonesia) – Scheduled Live date: March 2025

Updates to Provider Limits

- **Circuit Bandwidth Limits**
  - **10G Provider Port:** Maximum circuit size supported on a 10G Provider port pair will be limited to **5Gbps.** Currently, we support circuit bandwidths from 50Mbps to 10Gbps on 10G provider ports.
  - **100G Provider Port:** Maximum circuit size supported on a 100G Provider port pair will be limited to **10Gbps**. Currently, we support circuit bandwidths from 50Mbps to 10Gbps on 100G provider ports.

- **Circuit Count Limits**
  - **Maximum Circuits Per Port Pair: 250 circuits** per provider port pair. Currently, there are no limits to number of circuits that are provisioned on a provider port pair and is limited by device limits.

- **Oversubscription Factor Adjustment**
  - Effective April 1st, 2025, the oversubscription factor for all new 10G ports will be reduced from 4x to 2x.
  - This adjustment aligns 10G ports with the oversubscription levels of 100G provider ports.

Call to action

- **LOA**
  - Request LOAs to extend coverage into new locations and support high (Metro) resiliency.

- **Classic API Retirement**
  - Complete ARM API changes to provide uninterrupted services to the customers.

- **Site Migrations**
  - Request LOA's to new location to support migrating customers to the new locations.

- **OIP Updates**
  - Update your operations and escalation contacts to ensure that all operational and future updates are received by the appropriate contacts. Check with our operations team (MTEROPS@microsoft.com) for details.