JUNIPER NETWORKS | indonet A Digital Edge Company

Indonet

Expanding to bigger markets and more regions in Indonesia

Compact router design that easily scale for fast-growing service providers.

Learn more →

Industry

Service provider

Region

APAC

Digital economy sparks Indonet business and network growth

Jakarta's thriving economy is riding a huge wave of digital growth, and as the first commercial ISP provider in Indonesia, Indonet leads the country in providing best-in-class digital infrastructure services. In the midst of digital transformations, forward-looking businesses choose Indonet for connectivity, data center services, and cloud services.

To keep up with customers' digital transformation needs, Indonet chose Juniper's ACX7100 line of cloud metro routers for high-speed metro networks and data center interconnection as it upgrades to 400G.

Overview

Challenge

Indonet's network offers more than 40 points of presence across 11 cities in Indonesia, with data center services and direct connections to Amazon Web Services, Google Cloud Platform (GCP), and Alibaba Cloud Express. With customers' digital needs growing fastest in Jakarta, Indonet's business leaders were planning to scale up its metro networks and data center interconnection services. Indonet needed an integrated platform for the metro edge and IP transit that would deliver higher capacity, greater reliability, and the excellent user experience that Indonet seeks to provide.

Transformation

Indonet chose Juniper's ACX7100 cloud metro routers to support a distributed design that pushes routing decisions to the edge for greater scalability and better digital experiences. With a 400G network upgrade beginning in the metro Jakarta area, Indonet can deliver highly reliable, high-speed metro Ethernet, internet access, and private L2/L3 VPNs to customers. It can scale up its metro connections from 10GbE to 100GbE and its data center and cloud connectivity services from 100GbE to 400GbE.

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> "We are investing in this region and want to grow as it does. **Juniper cloud metro routers are the best** fit for our future."
>
> **Raphael Ho**
> Director of Operations, Indonet

Outcomes

Secure, reliable connections

99.999%

Indonet SLA for cloud services

Meet digital business growth

100GbE

Metro network upgrade

Cloud-scale connectivity

400GbE

Data center interconnection upgrade

Solution and implementation

Juniper ACX7024 Cloud Metro Router

Juniper ACX7024X Cloud Metro Router

Juniper ACX7100 Cloud Metro Router

Juniper Apstra

> "It's important to us that the Juniper family of **ACX routers meets both our higher and lower capacity** needs. Juniper makes our life easier."
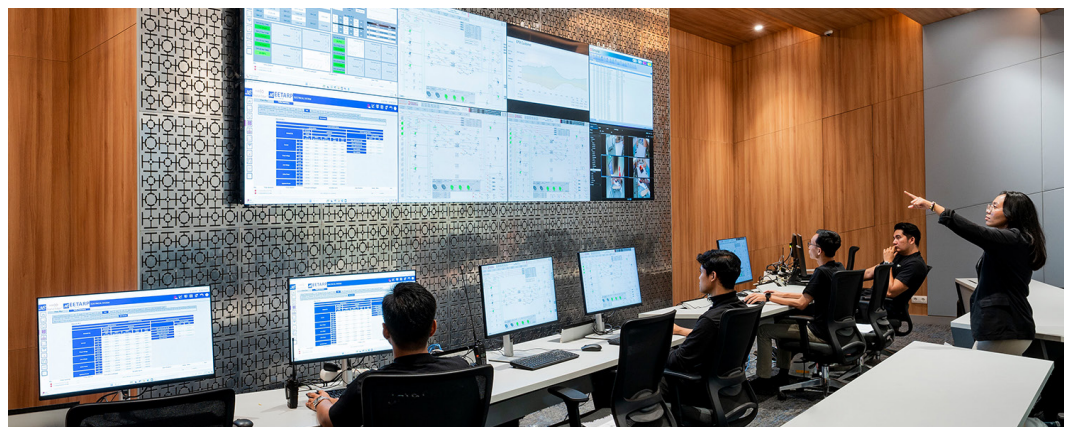>
> **Raphael Ho**
> Director of Operations, Indonet

Empowering digital transformation in Indonesia

With Juniper ACX cloud metro routers, Indonet can deliver secure, high-bandwidth digital services in the high-growth Indonesia market. It uses Juniper ACX7100 routers for the metro core and for data center connectivity and Juniper ACX7024 routers for metro aggregation. The ACX7100 router delivers 4.8 Tbps throughput with 100GbE-to-400GbE port flexibility in an energy-efficient 1-U form factor. The environmentally rated ACX7024, also a 1-U form factor, delivers 360 Gbps throughput with 24 multirate 1/10/25 ports and four 100GbE ports for scalable cloud metro services.

With ACX7100 routers, Indonet gained next-generation capabilities that support L2 Ethernet services, segment routing, MPLS, SRv6, Ethernet VPN-Virtual Extensible LAN (EVPN), advanced programmability, and telemetry. Indonet also gained Zero Trust security with MACsec encryption, secure boot, and other enhanced security capabilities.

Indonet uses Juniper Apstra intent-based networking to automate and validate the design, deployment, and operation of the ACX routers for its metro networks and data center interconnect as well as the Juniper QFX switches it already used for its data center fabric.

Key takeaways and outcomes

Indonet automated its data center networks with Juniper Apstra.

Flexible platform fuels fast growth

Indonet understands customers' fast-growing digital needs in Indonesia and wants to be the first choice for robust, high-speed, reliable digital infrastructure. With its managed network, data center, multicloud connectivity, and Alibaba cloud services, Indonet can support the digital needs of organizations from small businesses to cloud hyperscalers.

● **Scale services up and out**

ACX7100 cloud metro routers are the foundation for Indonet's higher-capacity digital services, data center services, and cloud exchange are major milestones for business growth.

● **Unique features optimize networking routes**

When Indonet evaluated metro routers, it determined that Juniper offered a Routing Information Base and Forwarding Information Base large enough to support Indonet's growth, ensuring capacity ensures that network traffic is directed only to the most efficient paths.

● **Total network assurance across metro and data center**

Indonet can deliver optimal network performance across its metro networks and data centers in Jakarta with Apstra's intent-based automation and assurance providing predictive insights and change controls with networkwide rollback capabilities.

More information

Learn more about Juniper cloud metro solutions

To learn more about cloud metro routers, visit our website at
https://www.juniper.net/us/en/products/routers/acx-series.html

For technical data sheets, guides and documentation, visit
https://www.juniper.net/us/en/products/routers/acx-series/acx7000-family-cloud-metro-routers/acx7100-line/acx7100-cloud-metro-routers-datasheet.html

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