NTT

Top 10 trends affecting network investment priorities

We've been named a Leader in the 2023 Gartner® Magic Quadrant™ for Network Services, Global* for the 10th consecutive year.
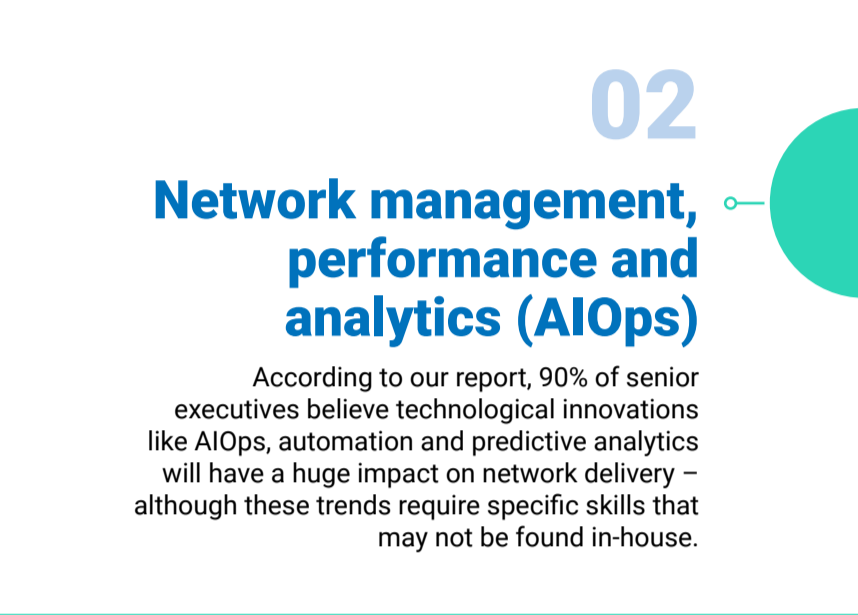
To support hybrid working and respond quickly to market changes, organizations need a cloud-based strategy for a network with high speed and low latency that's secure, flexible and, in many cases, delivered as a service.

Our **2022–23 Global Network Report** looked at the trends affecting how organizations will invest in their network in the next two years. Here, we list the top 10 according to top-performing organizations (in terms of revenue and operating profit).
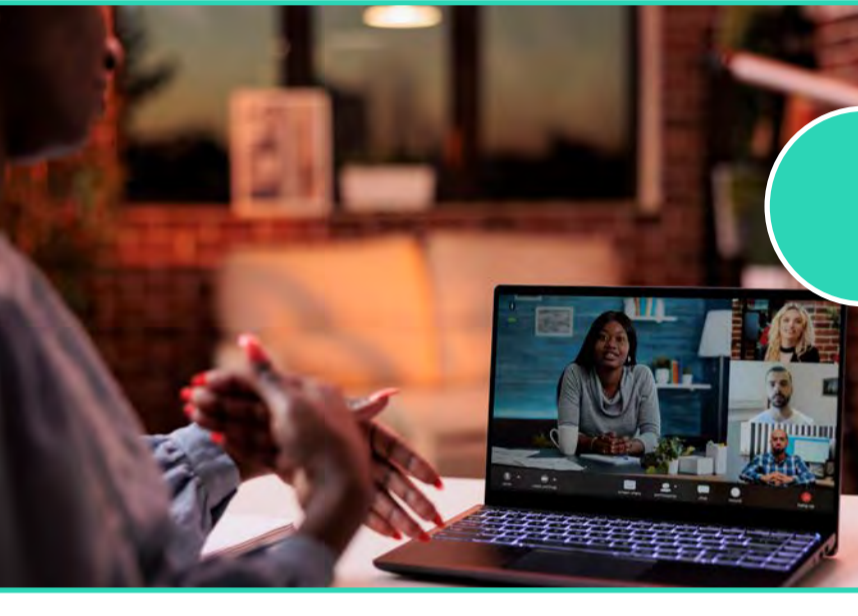
01 Cellular 5G

5G networks provide much faster data-transfer speeds, lower latency and greater capacity than previous generations of cellular networks. They can easily support the rising volume of data and the growth in IoT devices seen across industries.

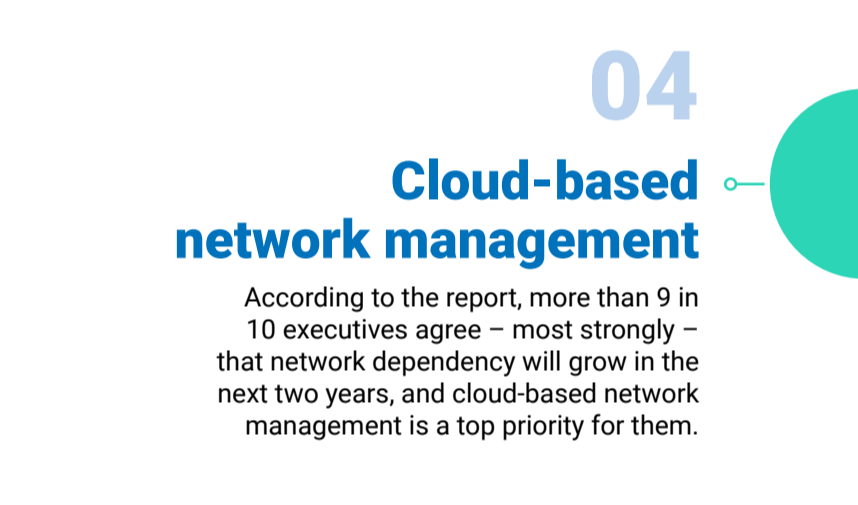## 02 Network management, performance and analytics (AIOps)

According to our report, 90% of senior executives believe technological innovations like AIOps, automation and predictive analytics will have a huge impact on network delivery – although these trends require specific skills that may not be found in-house.

03 Software-defined networks/infrastructure

Software-based networking allows organizations to embrace network innovation and gain agility, as they're able to add technology to their network or swap technologies as needed.

04 Cloud-based network management

According to the report, more than 9 in 10 executives agree – most strongly – that network dependency will grow in the next two years, and cloud-based network management is a top priority for them.

05 Private 5G

Private 5G gives organizations all the benefits of 5G technology in the form of a turnkey private network management solution that is fully secure, fast and reliable – and, at NTT, offered as a service.

06 Integrating platforms/technologies

Increasingly, organizations are moving away from standalone and siloed applications to a connected and integrated ecosystem. They may, however, need help from an expert partner to manage their multivendor environments.

07 OT/IT network convergence

The convergence of information technology and operational technology is creating new network requirements, such as running voice over a cloud network – adding to the complexity of network management.

08 Automation (including SecDevOps)

Advanced analytics can include automated monitoring and reporting but can also cover software patching, security postures, inventory management and change and configuration management, among others.

09 Application development, modernization and containers

Both applications and network functions are now moving to the cloud. This helps organizations scale up and down, but managing the network as a cloud function is a very different skill.

10 Secure access service edge (SASE)

New networks need new levels of agility to enforce security policies for users, wherever they're located. These imperatives drive the convergence of software-defined wide-area networking and security into SASE, an edge-to-cloud service that doesn't increase hardware costs or add complexity.

Download the full 2022–23 Global Network Report
to see how networks are evolving, how prepared organizations are for these changes and how they will adapt their networks.