



Ensuring security for digital transformation

NTT and Cisco for enterprise security solutions

World events and newsworthy cyberattacks have raised the profile of security, compelling enterprises to focus and invest in this area and to seek a security partner to address execution challenges. The Cisco and NTT partnership combines industry-leading product capability with a recognized and proven ability to deliver.

The digital business agenda

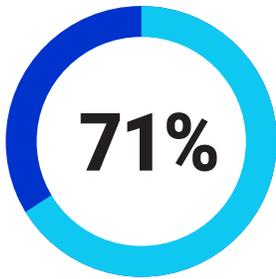
From years of working and partnering with enterprises around the world, we know what enterprises are trying to achieve with their digital business. It's a complex crossroads of agendas that improve customer relationships, empower workers with new ways of working, collaborating and being productive, put data behind actions and decisions, increase business agility, and allows for creative and disruptive differentiation in the market – all while reducing risk, complexity and of course, growing revenue and profitability.

Secure design is critical to business success

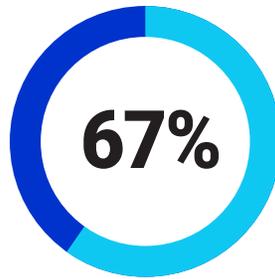


Security is the foundation of success

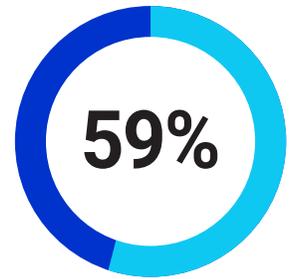
At the base of every initiative supporting the digital business agenda, is security.



Security is the most important technology to the digital strategy¹



Digital trust is creating the most organizational value in their digital strategy¹



Business who are GDPR ready experience fewer and less costly breaches²

Whether you're focused on digital workplaces and mobility, creating more personalized customer experiences, streamlining processes or modernizing IT – everything must be done with security built in at every layer in a way that enhances visibility, control and consistency from end-to-end, and removes burden from IT organizations that struggle to keep up with the latest technologies and threats as attack surfaces increase, data continues to explode, and their environments grow in complexity.

Digitization brings new security challenges

We've seen enterprises struggle firsthand and there's good reason for it. As they make progress on their digital visions, it's changing the very nature of IT, introducing exciting possibilities as well as complexity and risk.

No borders

The traditional perimeter has been redefined as enterprises expand to cloud, edge and mobile.

App modernization

Applications are designed (or rearchitected) to run across multiple environments and utilize services you don't always control.

Attention to data

Apps, devices and users generate an exponential amount of data that requires careful attention to authorization, accessibility, protection and privacy.

“With every new connection comes a responsibility to navigate and manage new security vulnerabilities and privacy concerns. Companies must address these data hazards as they advance new levels of efficiency and customer experience.”

- David Reinsel, SVP, IDC Global DataSphere

Growing security challenges

More IoT devices connect everyday

By 2025, there will be **41.6B CONNECTED IOT DEVICES**³

Workloads and apps are shifting to the cloud

80% OF ENTERPRISE workloads will move to cloud by 2025⁴

Impacting finance

The average total **COST** of a **DATA BREACH** is **\$3.92M USD**⁵

Users work anywhere across many devices

By 2025, nearly **80% of ALL IP TRAFFIC** will come from wireless and mobile devices⁶

Direct internet access at distributed branches

By 2023, the SD-WAN market is expected to **GROW 74% CAGR** from 2018 for explosive branch DIA⁷

Threats are more numerous and persistent

The chance of experiencing a **data breach** **GREW TO OVER 29%** in 2019⁵

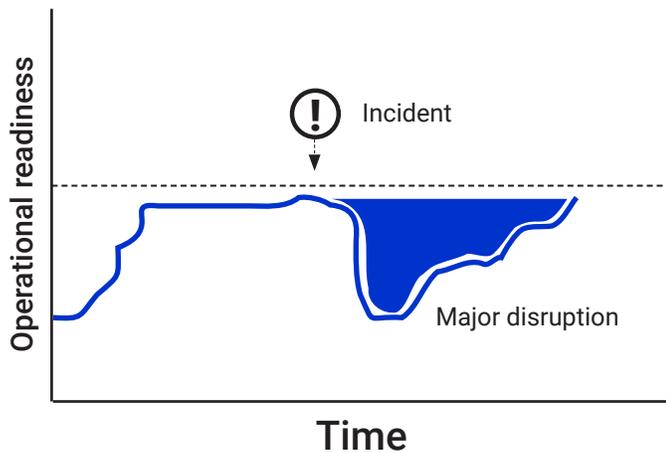


Becoming proactive and predictive

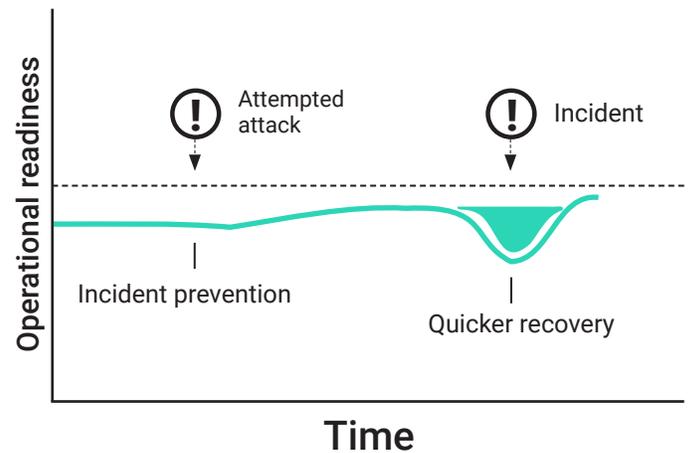
A number of strategies and changes are likely required to move from being reactive to proactive and predictive. Older security models that rely heavily on perimeters and firewall protections, while important, simply aren't enough anymore. Without a more comprehensive approach that addresses every layer, you'll continue to be vulnerable to attacks and more severe, prolonged consequences.

Improve operational readiness through intelligence to prevent attacks or stop them in their tracks.

From reactive



To predictive



What enterprises can do to defend themselves

As most IT professionals recognize, an organization's defenses and enhanced capabilities must be spread throughout a number of domains to result in a more comprehensive, holistic approach to security. While the list is long, here are some key areas that should be addressed:



Security-minded

Embed cybersecurity into everything you do, starting with core business strategy



Scalable solutions

Implement first-line-of-defense tools that can scale, like cloud security platforms



Network segmentation

Employ network segmentation to help reduce outbreak exposures



Predictive threat intelligence

Incorporate timely, accurate threat intelligence into security monitoring and eventing



Mitigate impact

Enforce need-to-know access and responsible computing usage



Endpoint protection

Adopt next-generation endpoint process monitoring tools

Improve, mitigate and respond with NTT and Cisco

It's not possible to predict when a cyber breach will occur. The question is not if, but when. With the rise of ransomware and other threats, protection is critical before, during, and after an attack. Cisco's layered security product approach coupled with NTT's full lifecycle of security services helps clients bolster their cybersecurity with preparation and rapid response.

We help clients gain network and application visibility, detect and stop threats, control user access, and respond to and resolve incidents. Cisco and NTT help simplify IT and support innovation to enable our clients to compete in today's business environment with security embedded everywhere.

NTT and Cisco deliver best of breed technology and services to improve an organization's security posture, mitigate risks, and respond to incidents.

Together, we help clients:

Reduce risk

Build cybersecurity into digital initiatives, to ensure security during digital transformation

Be predictive and proactive

Identify and protect against attacks before they happen

Recovery quickly

Quickly identify, respond and contain an attack to return to business as usual

Ensure compliance

Address growing regulation with increased visibility, automation, and improved reporting

Continuously innovate

Ensure cybersecurity posture and technology roadmap addresses current and future needs

Client success

German sportswear manufacturer protects users with Cisco Umbrella

Challenge

A multi-national sportswear manufacturer was struggling to gain visibility into threats and block malware, phishing and ransomware attacks. They needed to quickly enhance security across the business to reduce risk and be more proactive.

NTT and Cisco together

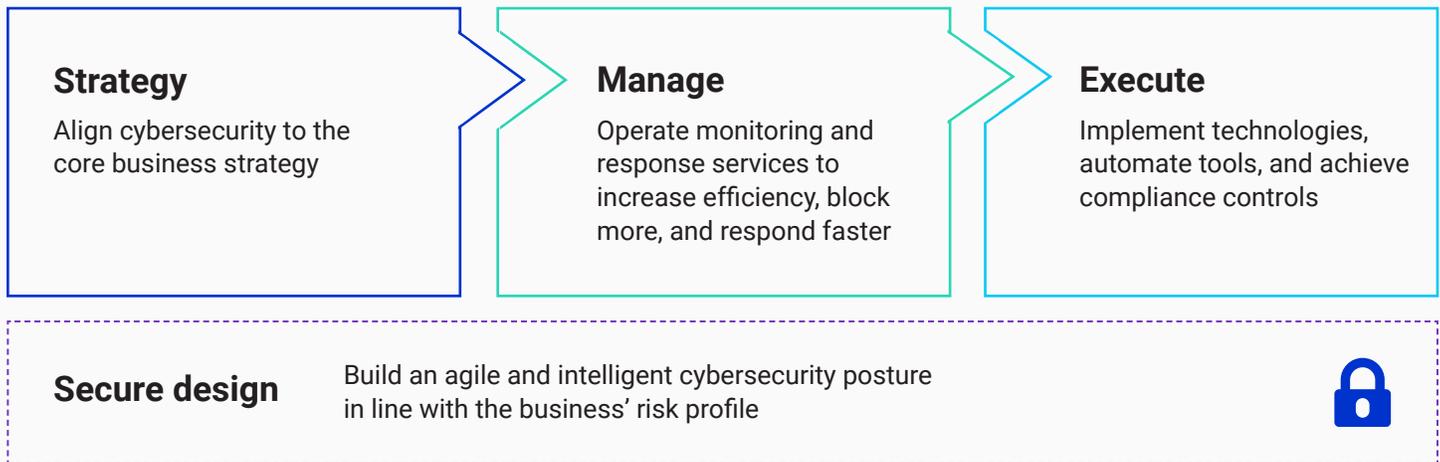
Our combined solution included Cisco Advanced Threat Security, Cloud Security, and Umbrella for ease of deployment and management plus improved automation of Cisco components and enhanced security for roaming clients.

Business outcomes

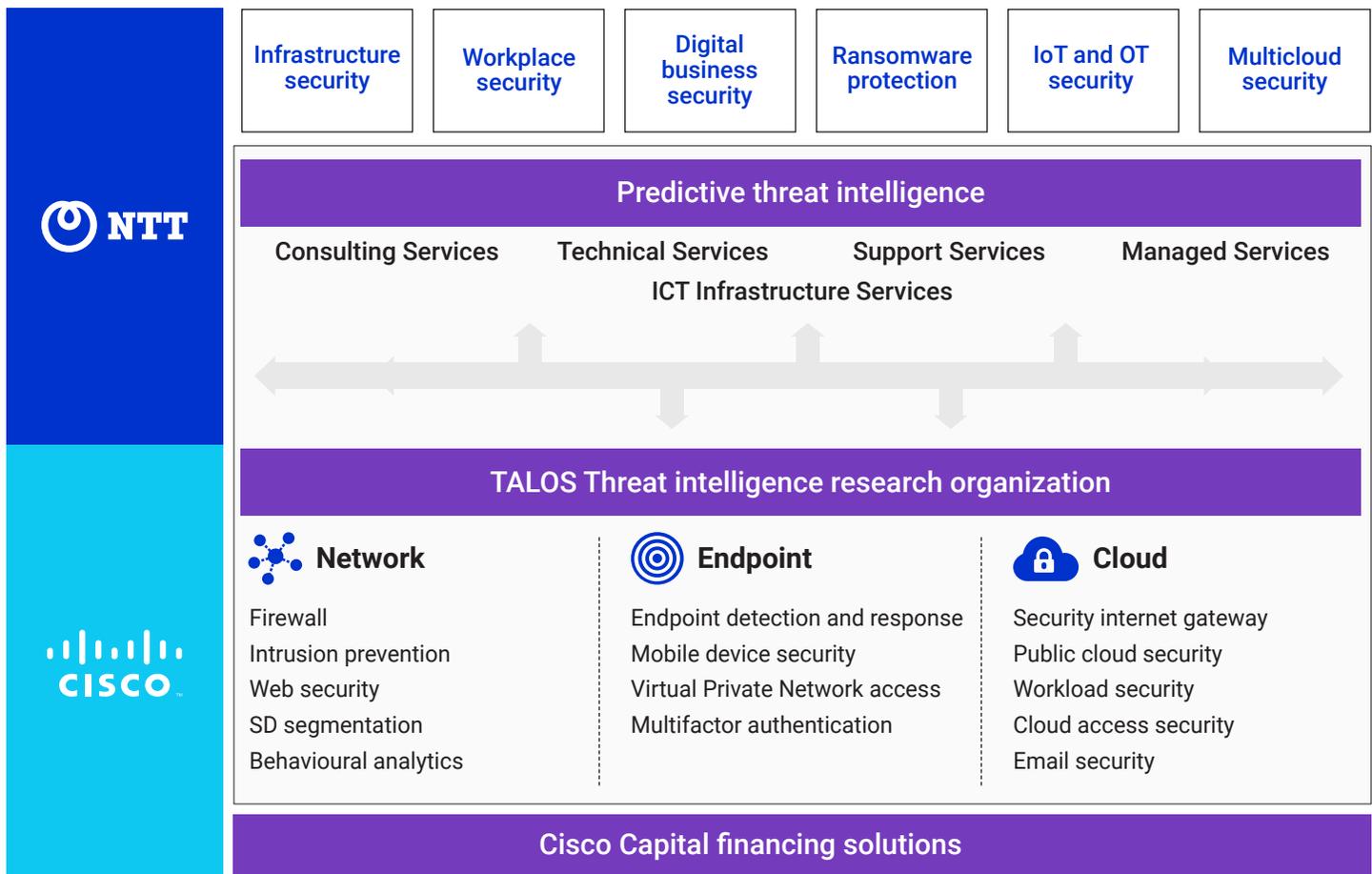
In addition to increased visibility into threats, the manufacturer improved network security and extended protection to users by blocking phishing, malware and ransomware – while decreasing costs with simplified deployment and management.

NTT and Cisco security solutions

We bring together security, networking, cloud and data center experts, best practices and processes, flexible financial and procurement programs, best-in-class technology and a full lifecycle of security services to power our joint approach for clients.



Our cybersecurity solutions and services



NTT Security Services



Managed Security Services

End-to-end security infrastructure and operations management keeping your business safe and compliant.

- Threat Detection Services
- Enterprise Security Monitoring
- Security Device Management
- Vulnerability Management



Security Consulting Services

Protect your key assets by applying your resources and controls effectively, and in the right places.

- Security Strategic Services
- Security Assurance Services
- Security Governance, Risk and Compliance Services
- Security Architecture and Design Services
- Security Incident Management and Response Services



Support Services

Accelerate availability and reduce operational complexity across your hybrid environment.

- Uptime Support Services
- Proactive Support Services



Technical Services

Design and deploy your digital transformation initiatives quickly and effectively.

- Design Services
- Project and Program Management
- Staffing Solutions
- Implementation and Integration Services

Why NTT and Cisco?

For more than 28 years, we've worked together to help organizations around the world harness the power of technology to innovate.



Global experience for every local engagement

across 47 countries

Co-innovation centers

across the globe to deliver client outcomes at greater speed



9.5TB of data analyzed every day,

helping you find the needle in the haystack

Combined 6,000+

cybersecurity specialists around the world



Serving 5,000+

joint clients globally

Community involvement

benefiting people, society and the planet



How can we help you go further?

For more information about NTT and Cisco for enterprise security solutions, please visit

<http://www.cisco.com/go/cybersecurity-ntt>.

Sources:

- NTT 2019 Digital Means Business Benchmarking Report
- Cisco 2019 Data Privacy Benchmark Study
- IDC forecast, "The Growth in Connected IoT Devices," June 2019
- Oracle's Top 10 Cloud Predictions 2019
- Ponemon, Cost of a Data Breach Study, 2019
- <https://cybersecurityventures.com/mobile-security-report-2017/>
- Apps Run The World, "Top 10 SD-WAN Software Vendors, Market Size and Market Forecast 2018-2023", Dec 2019

