

State of Edge Operations:

What do IT and OT practitioners care about and how can they align

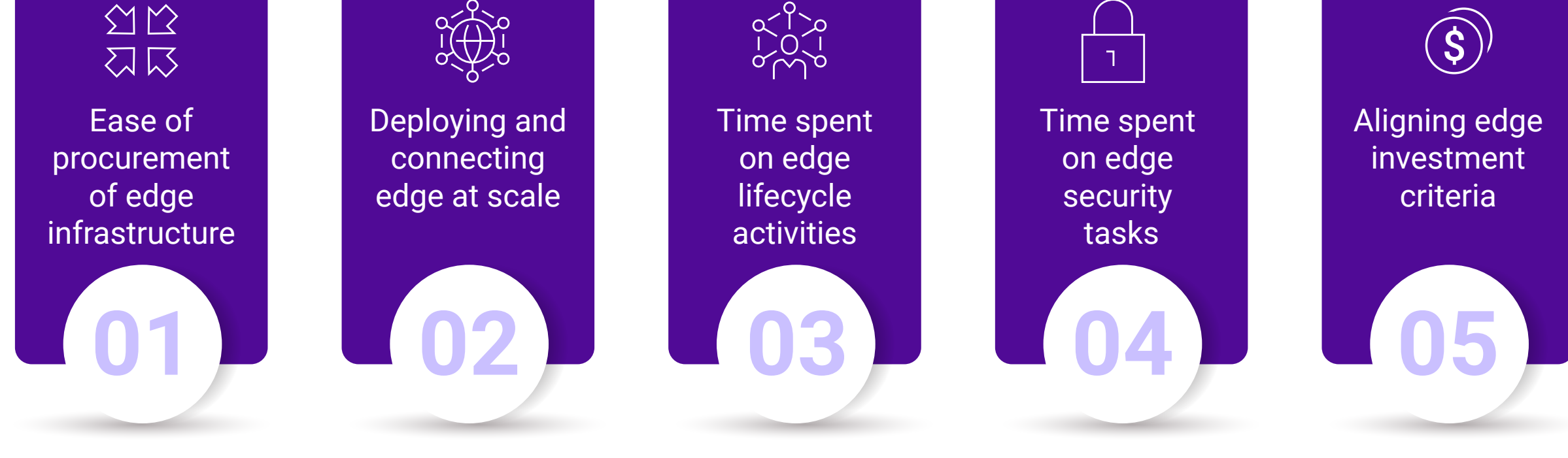


As your edge estate expands, delivering seamless edge operations becomes crucial.

Organizations need to operate effectively in rugged environments, manage critical operational technology (OT) workloads, manage the expanding edge with limited local IT expertise, and avoid the technology fragmentation.

This infographic will help you compare the priorities and challenges of IT and OT professionals in deploying, managing, and scaling edge environments.

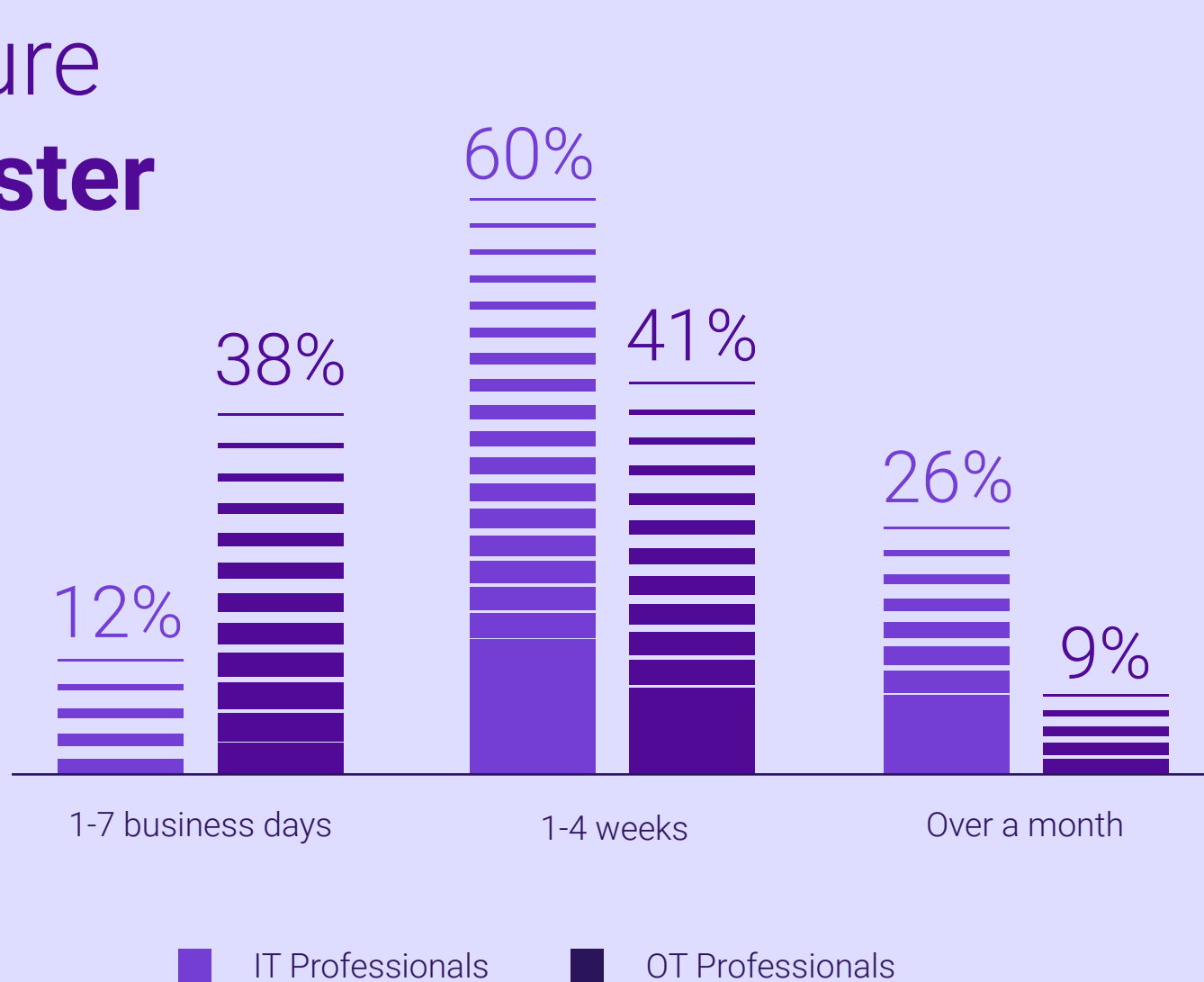
5 key considerations for edge operations



OT professionals procure edge infrastructure faster

They also have a shorter time to set up on-site compared to IT professionals.

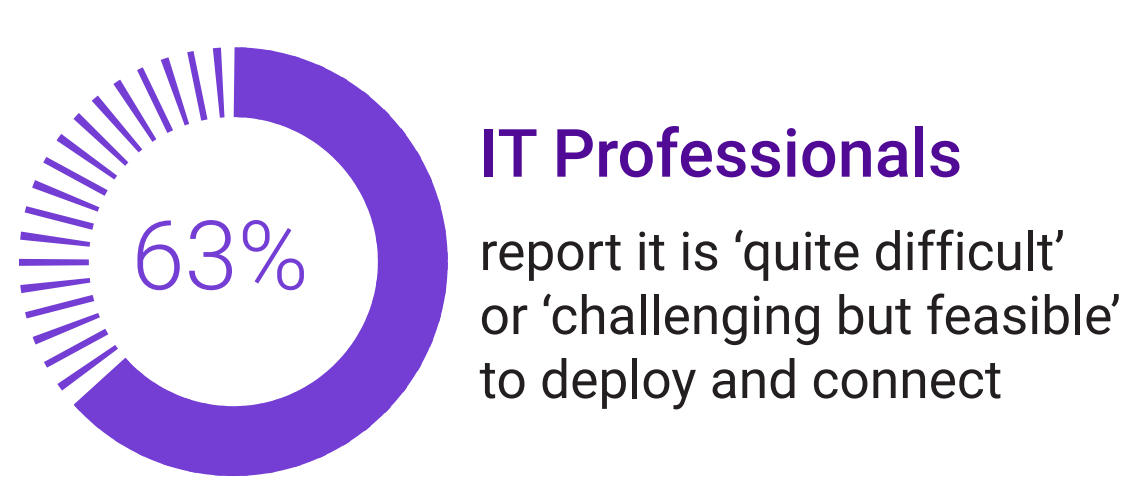
Enabling zero-touch provisioning of edge infrastructure can accelerate and align the time to value of edge deployments for both IT and OT teams.



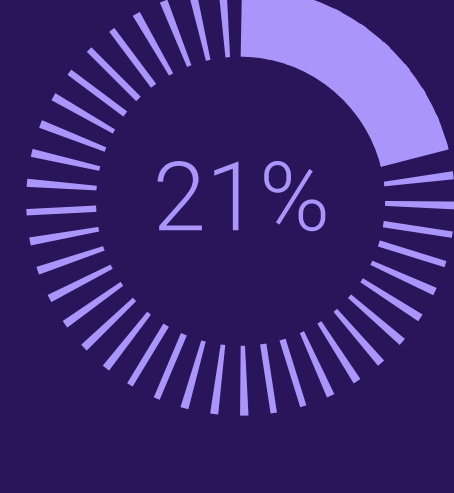
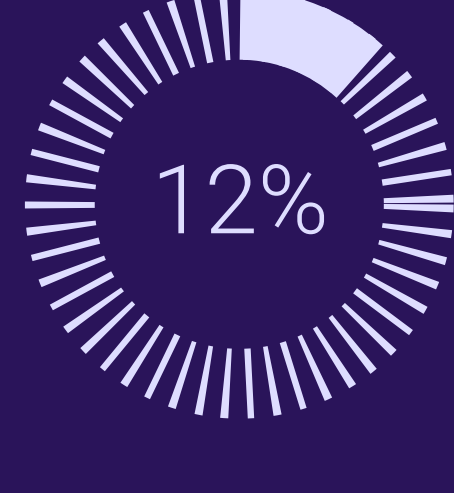
Both OT and IT face challenges in edge deployment

The challenges include integration problems, varying requirements, time and resource intensity, legacy technologies, and struggles with automation and deployment.

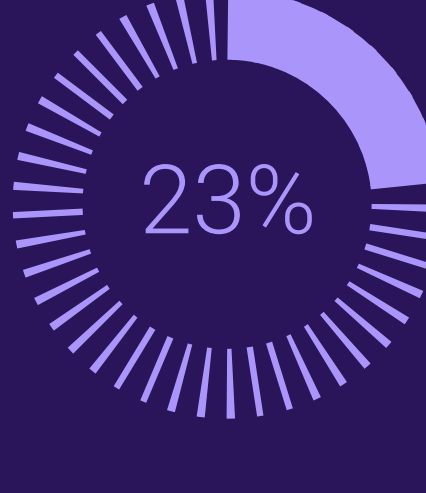
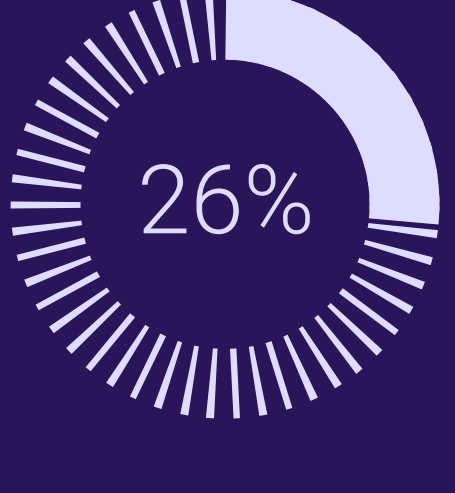
Task automation and templated deployments can scale up edge estate consistently across locations.



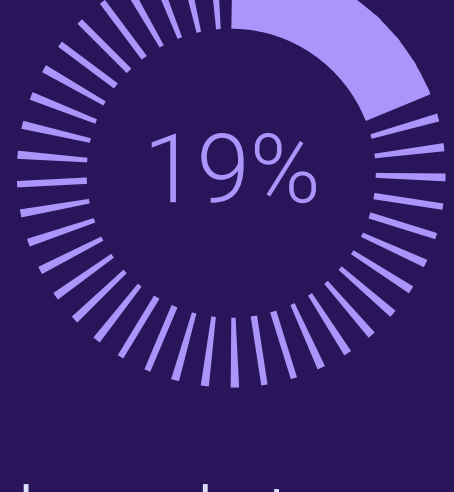
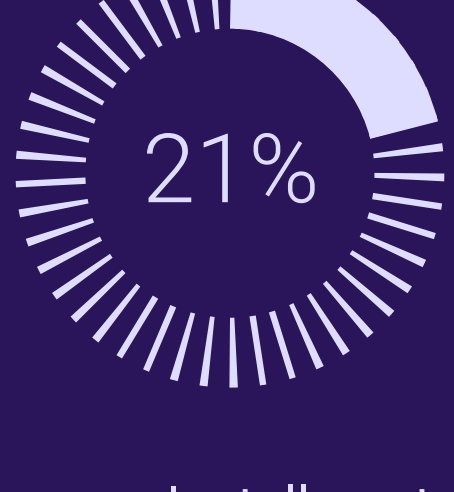
Deploying new edge applications is time-consuming



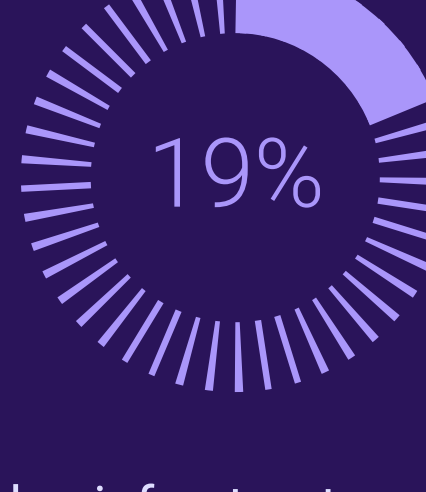
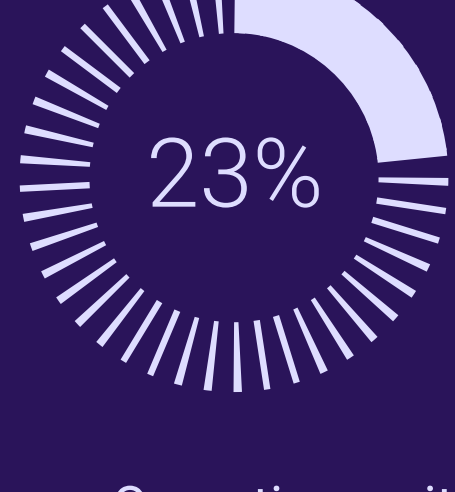
Purchasing edge infrastructure (e.g., tracking as it ships, receiving product on site)



Deployment of edge product (e.g., integrating with existing hardware)

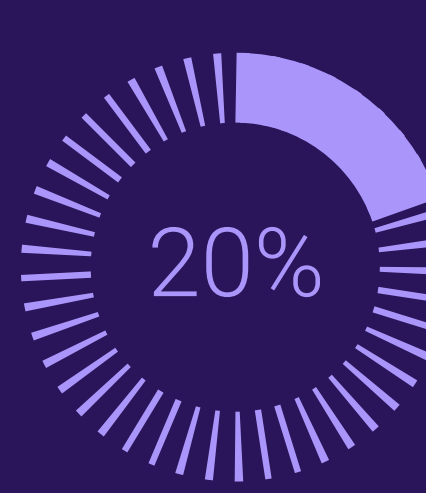
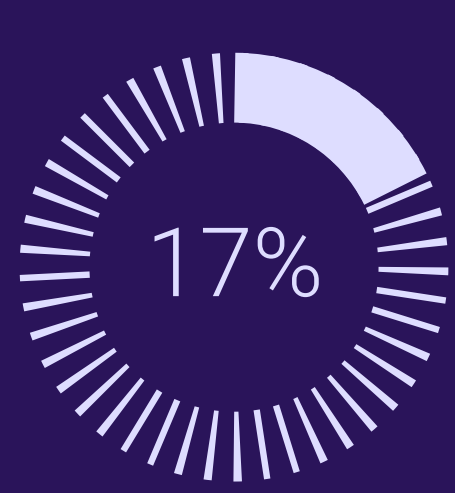


Installation of edge product (e.g. new installs, patches, updates)



Operations with edge infrastructure (e.g., network security, troubleshooting)

76% of edge operations time is spent on routine, repetitive tasks by IT professionals. While OT professionals spend more time purchasing edge infrastructure.



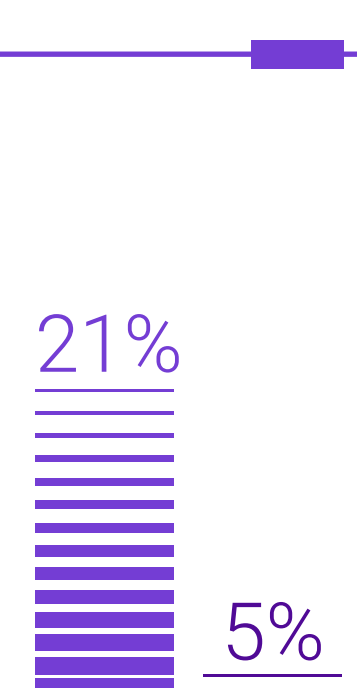
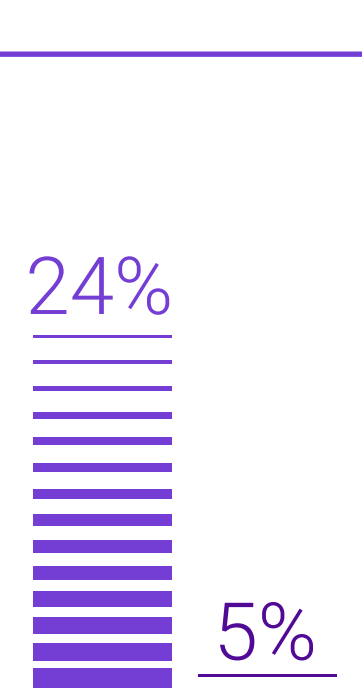
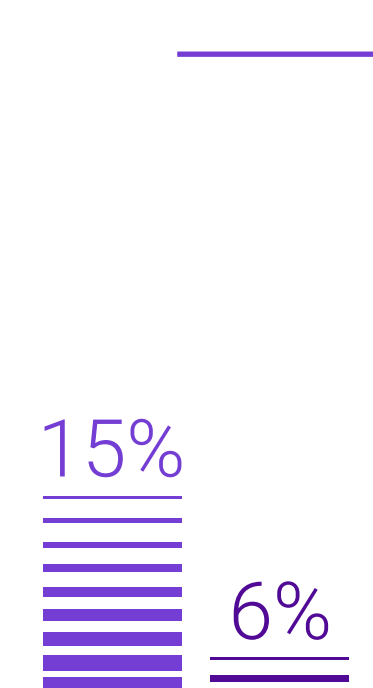
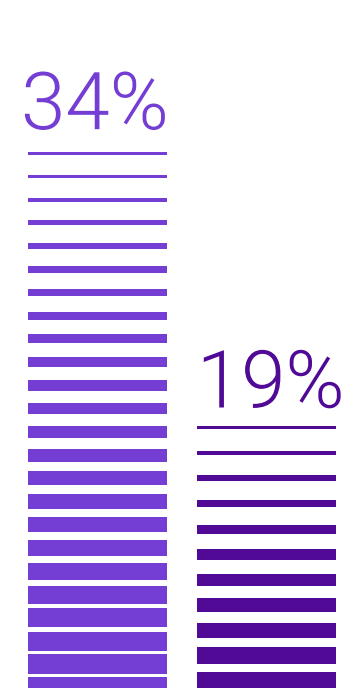
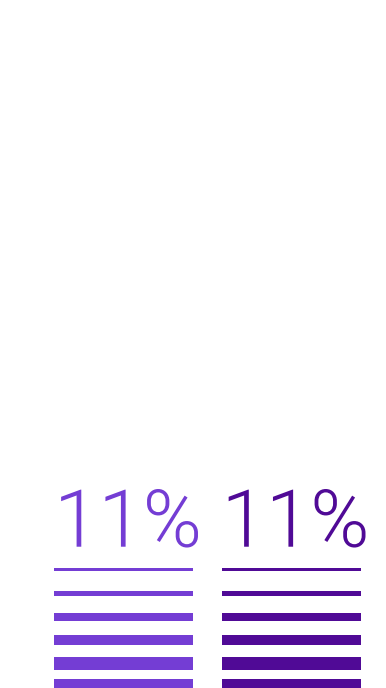
Learning how to install the edge product (e.g., browsing different offerings)

Automating routine and repetitive tasks will free up IT and OT teams to focus on strategic innovations.

IT professionals take longer to complete edge security tasks

Regulatory security requirements and compliance documentation is the most time-intensive task for both IT and OT professionals.

Adopting modern security principles, such as zero-trust security, will empower enterprises to setup security controls centrally and enforce them automatically when new devices and applications are added across their edge estate.



Remote troubleshooting of security incidents, Regulatory security requirements and compliance documentation, Setting up baseline security fencing of the edge devices at initial install, Ensuring system lifecycle management for application s/w and security patching, Monitoring and incident management tasks on secure operations of the edge devices



52% IT Professionals
47% OT Professionals

Leveraging Zero Trust security principles

Both IT & OT professionals have different edge investment considerations

The divergent attributes driving edge investment decisions for IT and OT teams, emphasize the need for flexibility, security, and scalability to run edge workloads.

Orchestrating edge applications as VMs or containers is critical to gain the flexibility of running these workloads on any desired infrastructure protected by zero-trust security across multicloud environments.

Ranks	IT Professionals	OT Professionals
1 ST	58% Integrating the product with existing hardware	38% Purchasing edge infrastructure
2 ND	38% Monitoring network security when using edge infrastructure	31% Tracking edge infrastructure product as it ships

The way forward with Dell NativeEdge

Dell NativeEdge is an edge operations software platform that helps businesses securely scale their edge management with automated operations, zero-trust security, and multicloud connectivity. With this centralized platform, you can simplify operations, optimize your edge investment, and secure the edge estate at scale as you power any edge use case, anywhere.

To learn more about Dell NativeEdge, [click here](#).

Or talk to our experts at NativeEdge@dell.com