

IT at the Edge: Visibility and Management for Growth

The IT edge in 2023 and beyond

Key considerations managing IT devices at the edge

Manage IT and infrastructure together

Holistic view of IT management

Conclusion and resources



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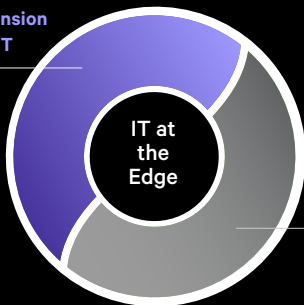
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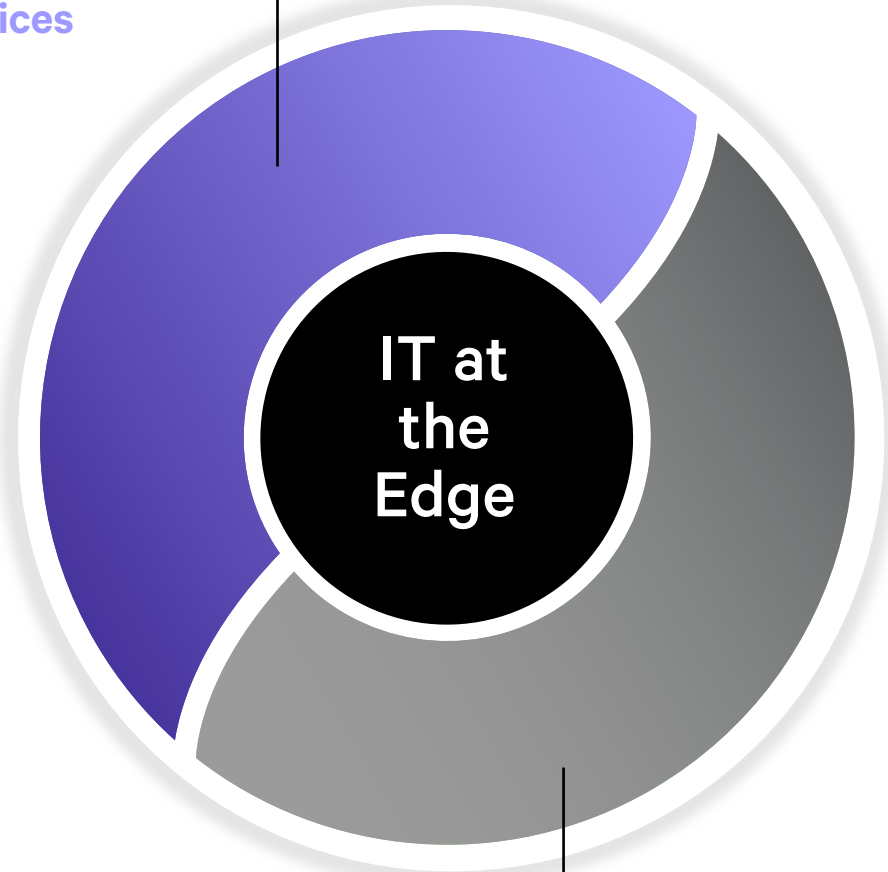
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Managing Expansion
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Remotely Diagnosing
and Resolving Issues
at Edge Locations

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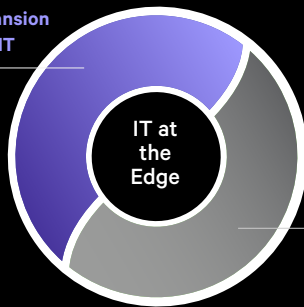
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The IT Edge in 2023 and Beyond

Edge computing is having its all-star moment.

Organizations have embraced edge capabilities to meet increased network demand, enable digital product and service delivery, and provide a better experience to users.

Edge computing provides remote users with a better experience, reducing latency with business applications and video conferencing. For businesses, it reduces bandwidth constraints, facilitates automation, and maintains data locally, which enhances security and regulatory compliance.

In addition, edge is colliding with multiple trends, such as 5G wireless networking, the Internet of Things (IoT), and artificial intelligence (AI), enabling the ultra-fast processing of vast data workloads and the creation of powerful analytics and connected experiences.

These developments will only add to the value of edge computing over time, and organizations need to be ready to meet this demand.

Various industries are using edge computing to deliver exceptional service at the point of need. They are leveraging cloud and edge computing to power digital business applications, optimize the processing of data intensive workloads, and create real-time analytics.



Retail



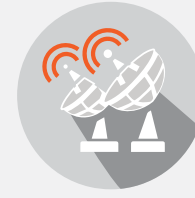
Financial Services



Manufacturing



Education



Telecom



Healthcare

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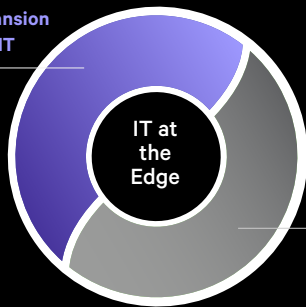
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Key considerations managing IT devices at the edge

Standing up new edge sites creates new opportunity and allows you to unlock new sources of value for your business. But there are key considerations to help you avoid pitfalls like network sprawl and losing visibility into – and control over – your growing edge presence. More edge sites and devices can mean more management headaches, as well as increased security risks, unless they are managed strategically and consistently.

Managing growth

- Sites need to be ready for the increasing amount of data and devices being added to the network
- Time is of the essence and businesses need to scale IT infrastructure quickly

Visibility

- Edge expansion requires clarity regarding critical asset inventory at every location for management and reporting purposes
- Edge IT equipment is diverse and it's important to see and manage different vendor tools across organizational groups

Deployment

- More edge sites means deploying equipment at various locations with different configurations
- Resources need to be properly provisioned and leverage out of band access to eliminate the need to be physically on site

Specialization

- Staff need to manage all types of equipment at the edge when no one person has all the skills
- Resources need to be allocated to staff that have the right skills (for example: networking versus server expertise)

Health monitoring

- See what is not working or needs updated with a clear singular view
- Understand what is not working and fix problems

Discover more about these dynamics in this white paper:

[Tools of the Trade: Enabling Centralized Management of Distributed or Remote IT Sites](#)

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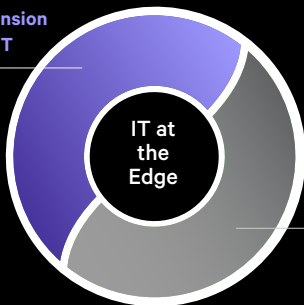
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Increase Your Clarity and Control at the Edge

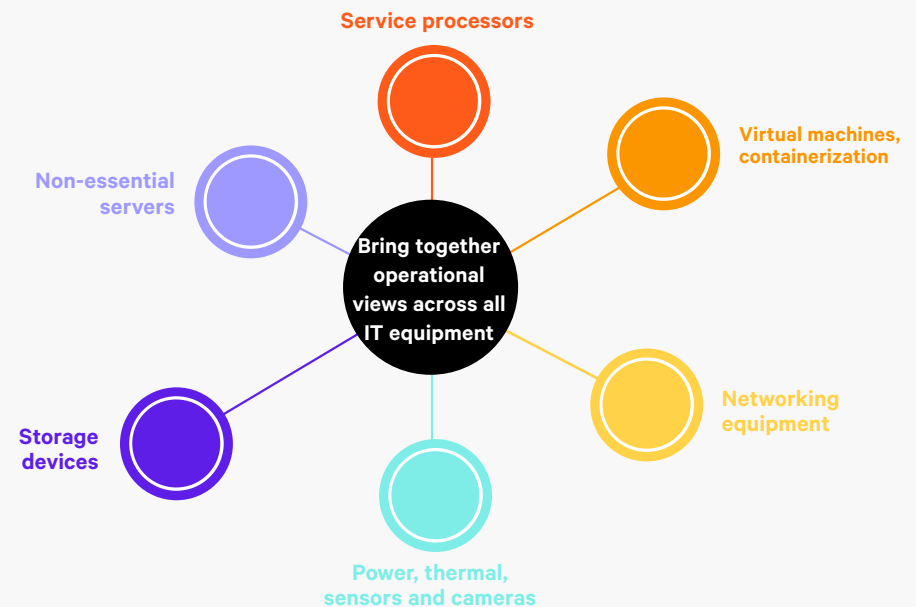
It's time for a new approach to managing IT at the edge. Manage, control, secure, and automate physical and virtual infrastructure from a single platform.

With the right IT management tool, staff can streamline processes, remotely monitor, and update and troubleshoot the devices that power your business.

The Benefits of a Holistic IT Management Strategy at the Edge

- Faster provisioning
- Manage and control IT devices
- Simplify management
- Enhanced visibility
- Decrease complexity
- Improve efficiency

Production development and test servers



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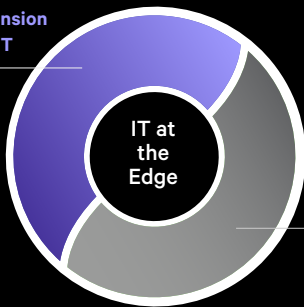
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Holistic view of IT management

Leave No IT Device Behind

Don't let the large quantity of devices and equipment at your growing edge of network overwhelm you. A holistic IT management strategy enables you to see, manage, control, secure, and automate IT infrastructure from a single open platform.



The right IT management solution for the Edge should enable you to:

- Manage and control IT devices.
- Centralize firmware updates to limit security risk.
- Simplify management and control of virtual and physical infrastructure.
- Manage service processors, virtual machines, IP KVM modules, and remote access appliances.
- Automate deployment and configuration tasks with APIs.
- Make bulk updates and configurations.
- Safeguard access to IT devices and control and restrict operations on devices.
- Host secure KVM and serial sessions.
- Provide secure and auditable access to devices for IT operators with detailed user audit history.

[Learn more about Vertiv's IT management solutions.](#)



VERTIV EBOOK

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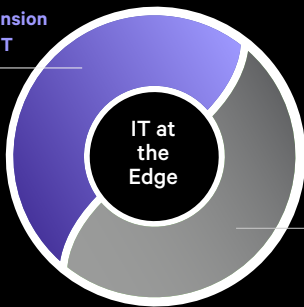
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Edge computing helps your business transform in exciting ways. To get the most from edge growth, you'll want to implement a centralized IT management platform to enable secure, standardized, and automated management of your edge network. Support more sites and devices with existing staff, while delivering the responsiveness and uptime your organization seeks to power business growth.

[Click here to learn more.](#)

Additional Resources



What Happens When Problems Arise? Read our eBook [“Remotely Diagnosing and Resolving Issues at Edge Locations”](#)



[From Enterprise to Edge: Speeding Deployment and Management of Complex IT Infrastructures](#)



[Maximizing the Edge Computing Opportunity With Centralized IT Management](#)

See how Vertiv customers are using IT Management Solutions



[Bank Unifies and Centralizes Data Center Management](#)



[Leading Global Retailer Improves Resiliency and Asset Management With Edge Computing Solution](#)





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