Powered Through Technology

2022

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Topics Covered

- Introduction
- Enterprise Hardware Breakdown
  - Server
  - Networking
  - Storage
  - Security
- Conclusion

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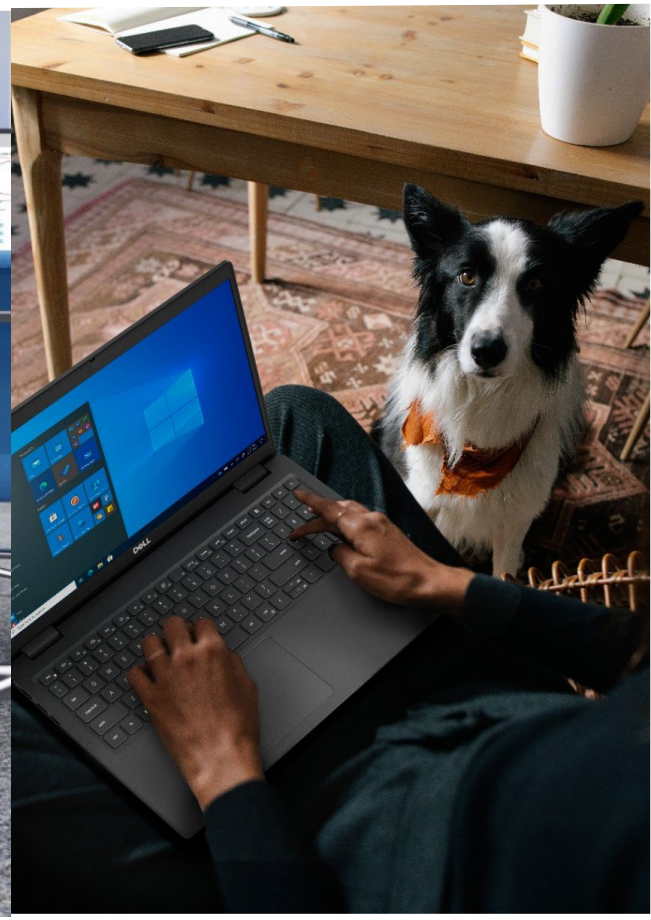
Business Trends



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Modern IT

Technology driven
Data driven
Dependent on the backbone of business which is normally IT
Ambiguous to changing expectations

What is a Server?

- A Server is a large-scale computer used to deliver applications or files to End Users/Client devices through a network

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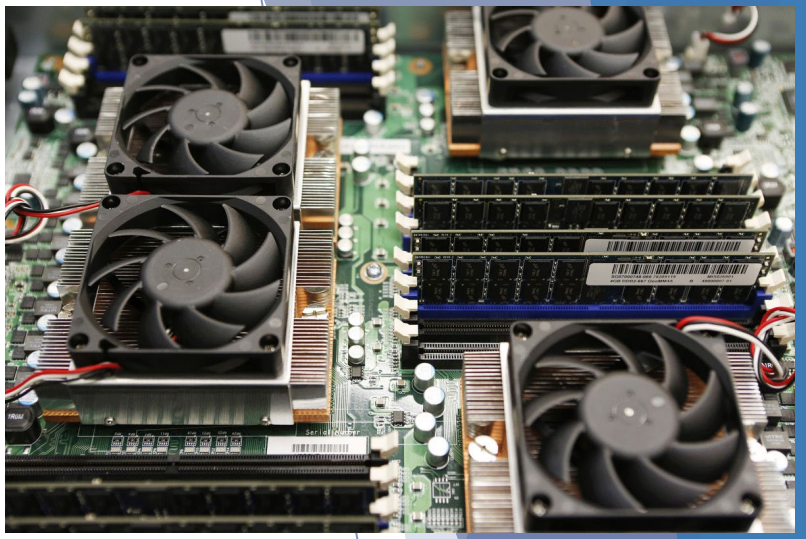
Why Server?

- Ease of management
- Saves time
- Secure
- Dependable

Under the Hood



Client- Laptop or Desktop
1:1

- Motherboard is the foundation
- CPU
- RAM
- Network Cards
- I/O Expansion Slots
- Sound Cards
- Graphic Cards (GPU)
- Hard Drive, Solid State Disk
- USB's
- Serial Port

Server
1: Many

- Motherboard
- CPU
- RAM
- Network Cards
- PCIe Expansion Cards
- Graphic Cards (GPU, for Processing power)
- Hard Drive, Solid State Drive
- USB Ports
- Display Ports VGA/RGB

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Networking

A proper network in business is a critical key especially in today's technology driven workforce. Networking impacts things such as speed, time, and application delivery

Routers, Cables, Internet, Bandwidth, and Power over Ethernet (PoE) can all be tied back into Networking

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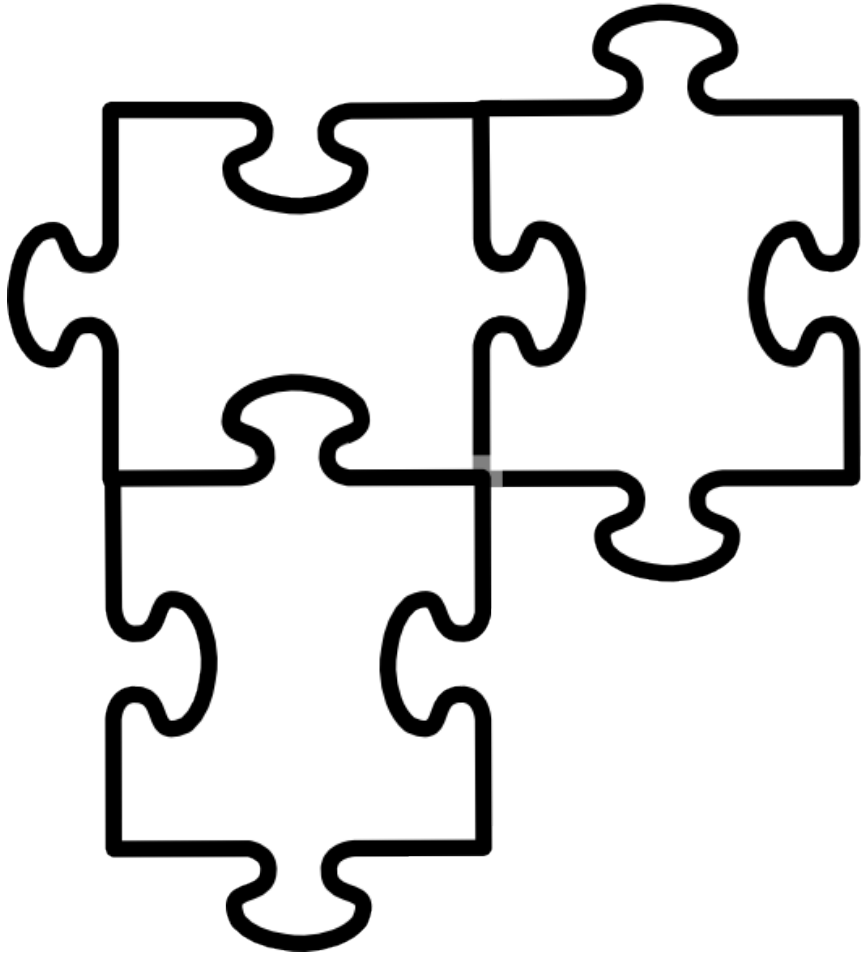
Storage

- Storage is not only a component on a Laptop or a server. In most cases Storage plays as the backbone for success
- Common terms
  - Databases
  - Files
  - Application
  - Cloud
  - Backup

Security

- We want to avoid:
  - Malware, Ransomware, Hackers, Data Breach
- How we avoid:
  - Firewall
  - Software (Backup & Data Protection)

How it all comes together



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Questions?

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