

# Firewalls, LANs and WANs; The Basics, the Benefits and the Security

Presenter: Simon Gamble, Mako Networks

# Agenda

- Housekeeping
- Presenters
- About Conexxus
- Presentation
- Q & A

# Housekeeping

This webinar is being recorded and will be made available in approximately 15 days.

- YouTube ([youtube.com/conexxusonline](https://youtube.com/conexxusonline))
- Website Link ([conexxus.org](https://conexxus.org))

## Slide Deck

- Survey Link – Presentation provided at end

## Participants

- Ask questions via webinar interface
- Please, no vendor specific questions

Email: [info@conexxus.org](mailto:info@conexxus.org)

# Presenters

## Conexus Host

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## Moderator

Kara Gunderson

Chair, Data Security Committee

POS Manager, CITGO Petroleum

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## Speaker

Simon Gamble

Mako Networks

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# About Conexxus

- We are an independent, non-profit, member driven technology organization
- We set standards...
  - Data exchange
  - Security
  - Mobile commerce
- We provide vision
  - Identify emerging tech/trends
- We advocate for our industry
  - Technology is policy



# 2019 Conexxus Webinar Schedule\*

Month/Date	Webinar Title	Speaker	Company
May 30, 2019	Firewall compliance: The basics, the benefits, and the security	Simon Gamble	Mako Networks
June 2019	W3C Update	David Ezell Ian Jacobs	Conexxus W3C
July 2019	Skimming	Linda Toth TBD	Conexxus TBD
August 2019	Don't Get Phished! Train your employees to avoid ransomware	Geoffrey Vaughan Ed Adams	Security Innovation Security Innovation

# 2019 Conexus Webinar Schedule\*

Month/Date	Webinar Title	Speaker	Company
September 2019	Updated Data Science Presentation	Ashwin Swamy Thomas Duncan	Omega ATC Omega ATC
October 2019	Easy PCI—How to Make PCI & Attestation Easier	Ajith Edakandi	Hughes
November 2019	Outdoor EMV	Brian Russell Linda Toth	Verifone Conexus
December 2019	TBD	Sam Pfanstiel	Coalfire

NACS Show  
October 1-4, 2019  
Atlanta, GA

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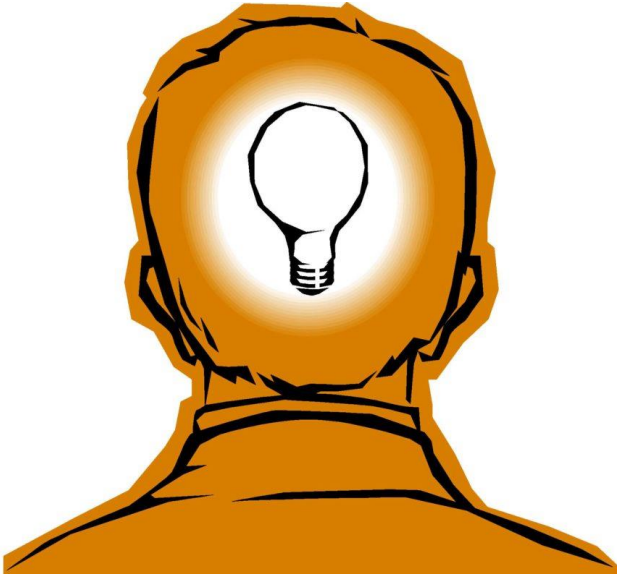
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# Overview



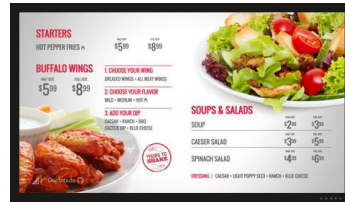
Your Network

The Devices on Your Network

Your Customers' Data

Where Things Communicate

# Petro & C-Store Connected Stuff



# The Dangers



# What's a Firewall?



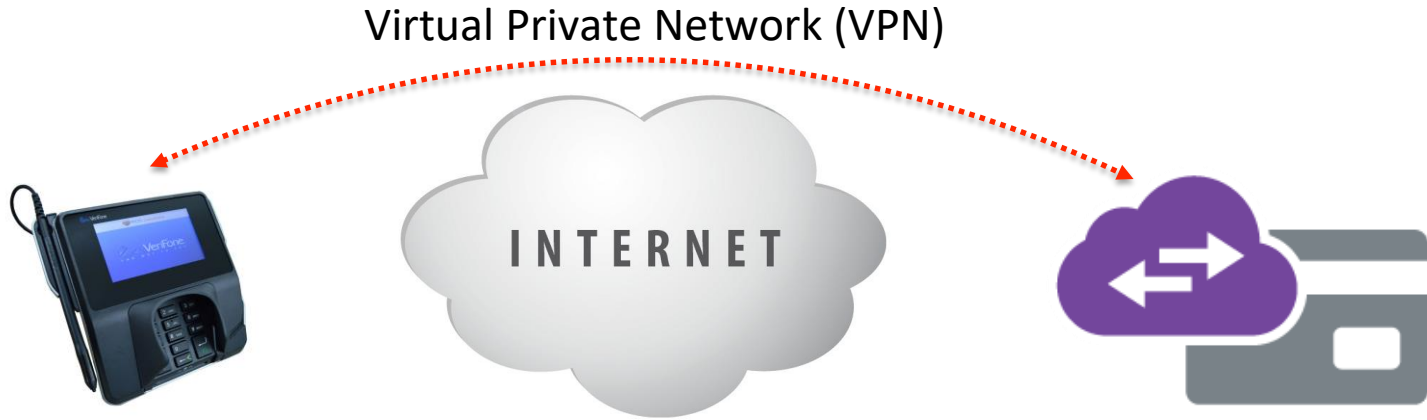
# What's a LAN?

Local Area Network



# What's a WAN?

Wide Area Network



# Why Should I Care?

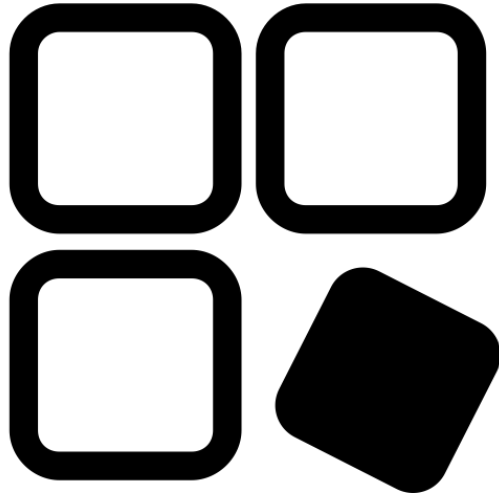


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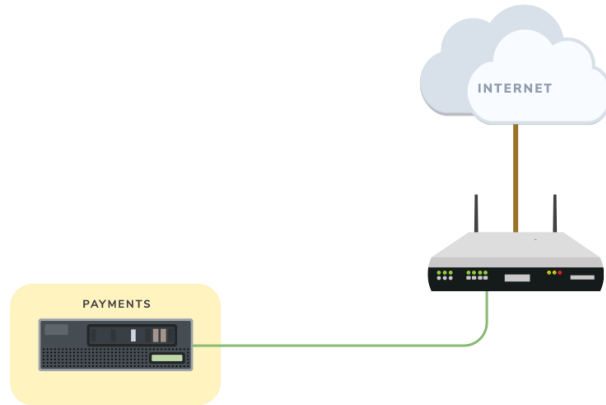
# What Should I Do?



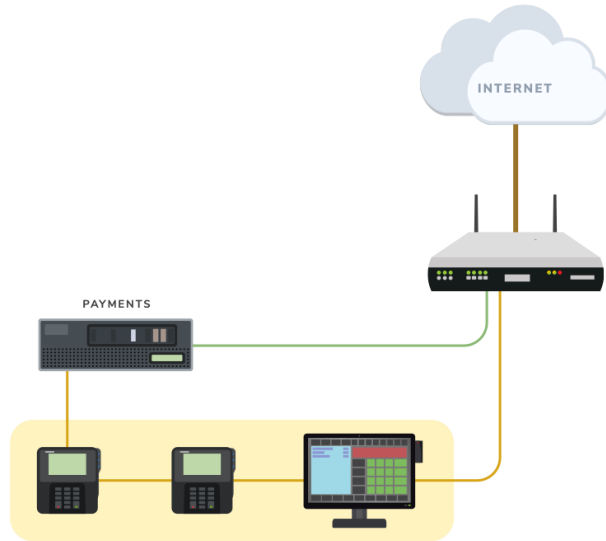
# Example of C-Store Network



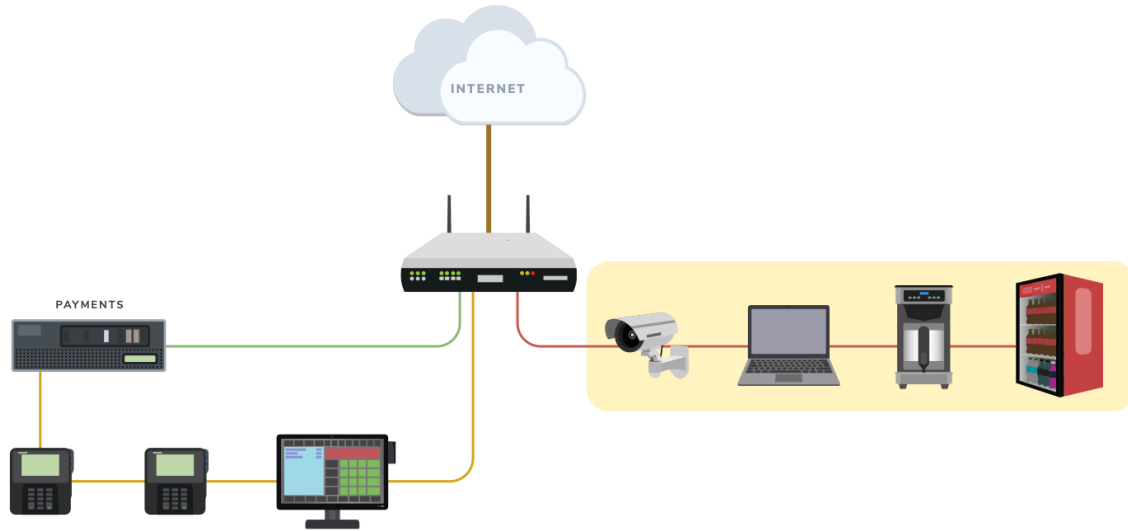
# Example of C-Store Network



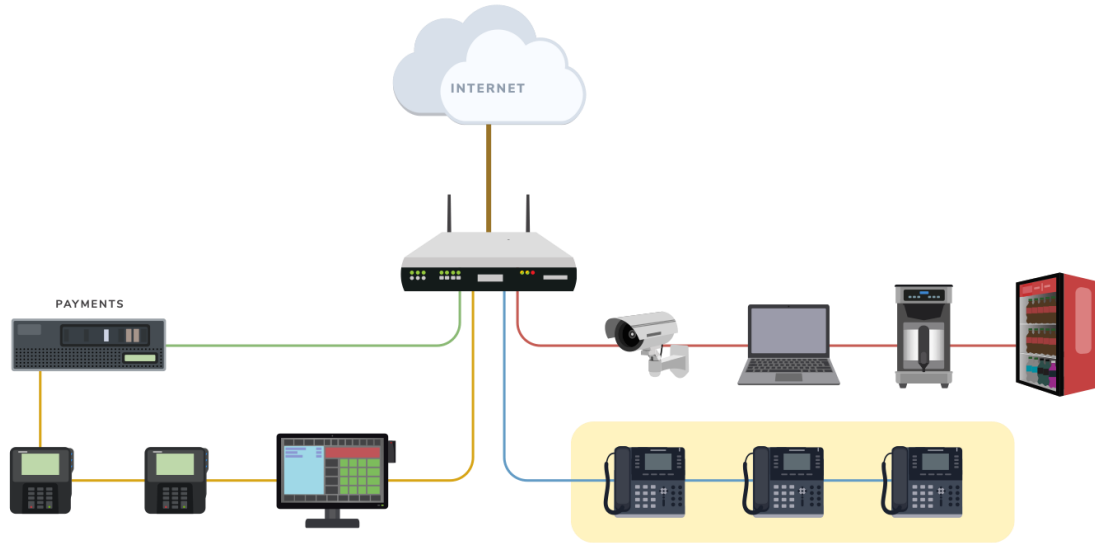
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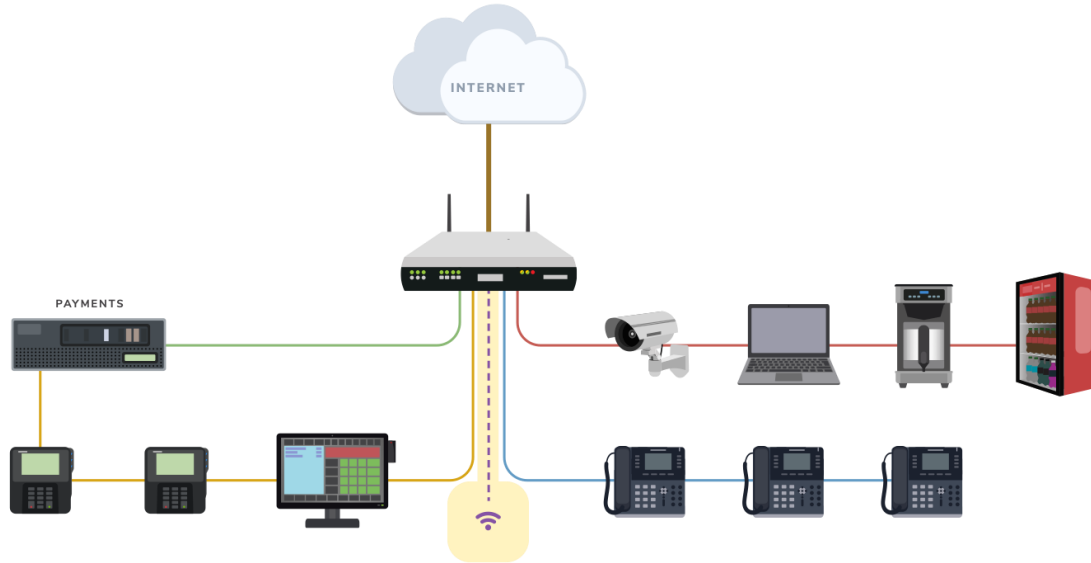
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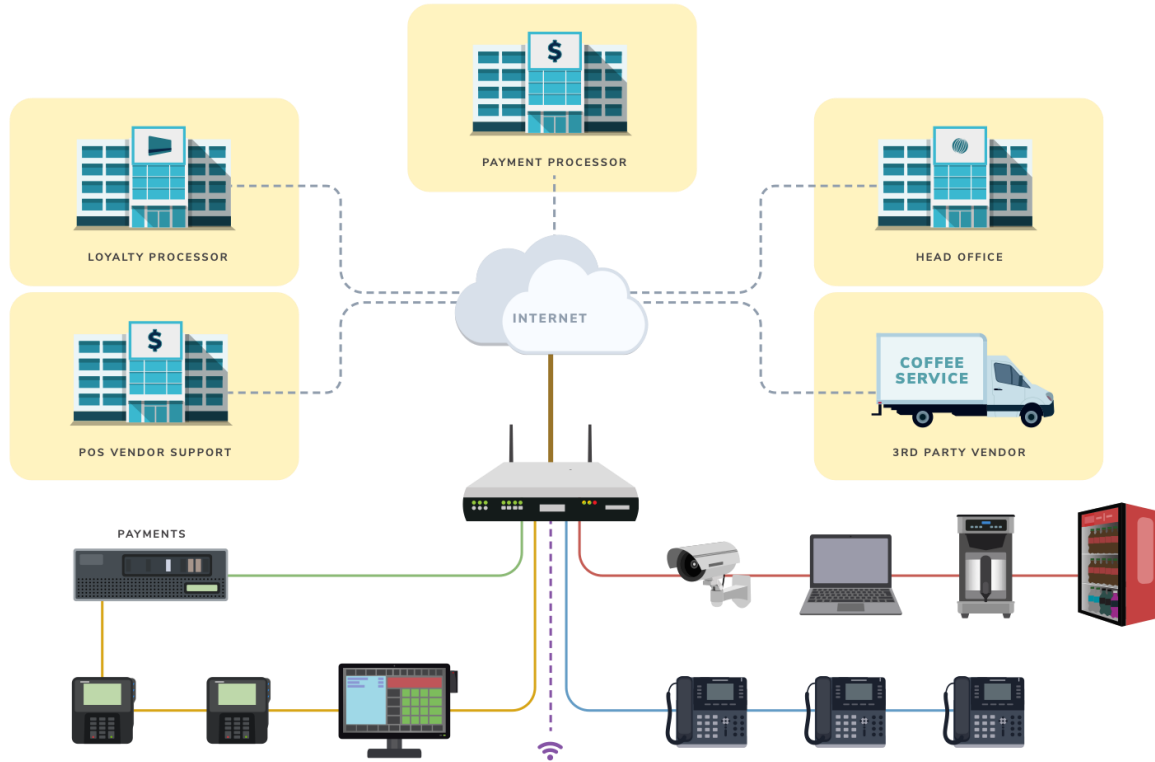
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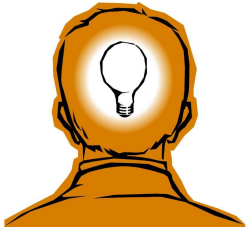


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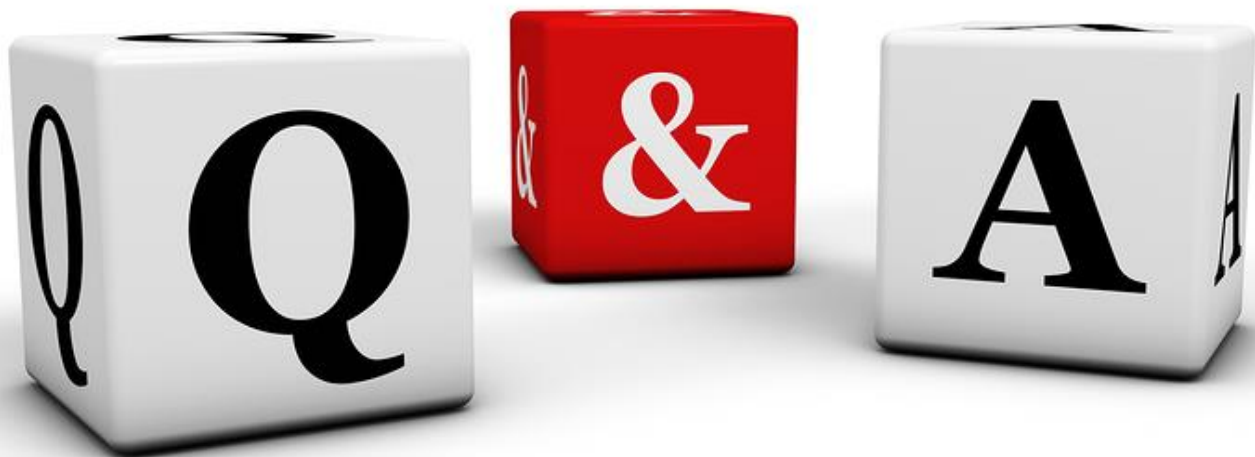




# Summary



- Think about the connected devices you have
- Think about what each device needs to communicate with (and why)
- Separate your network into logical zones
- Don't allow open remote access into any of your networks - utilize VPNs
- Consider using VPNs for all sensitive outbound also
- Never stop thinking!



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- LinkedIn Profile: [Conexxus.org](https://www.linkedin.com/company/conexxus.org)
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