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Background

Started in the IT industry in 1995

- Retail – Computer City (95-96)
- Dialup ISP Helpdesk / Tech Support (96-97)
- Dialup/DSL ISP, Web Host, Systems and Network Administrator (97-00)
- Adjunct instructor – CSN (98ish – 08ish)
- Systems and Network Administrator, Web Hosting company (00-current)

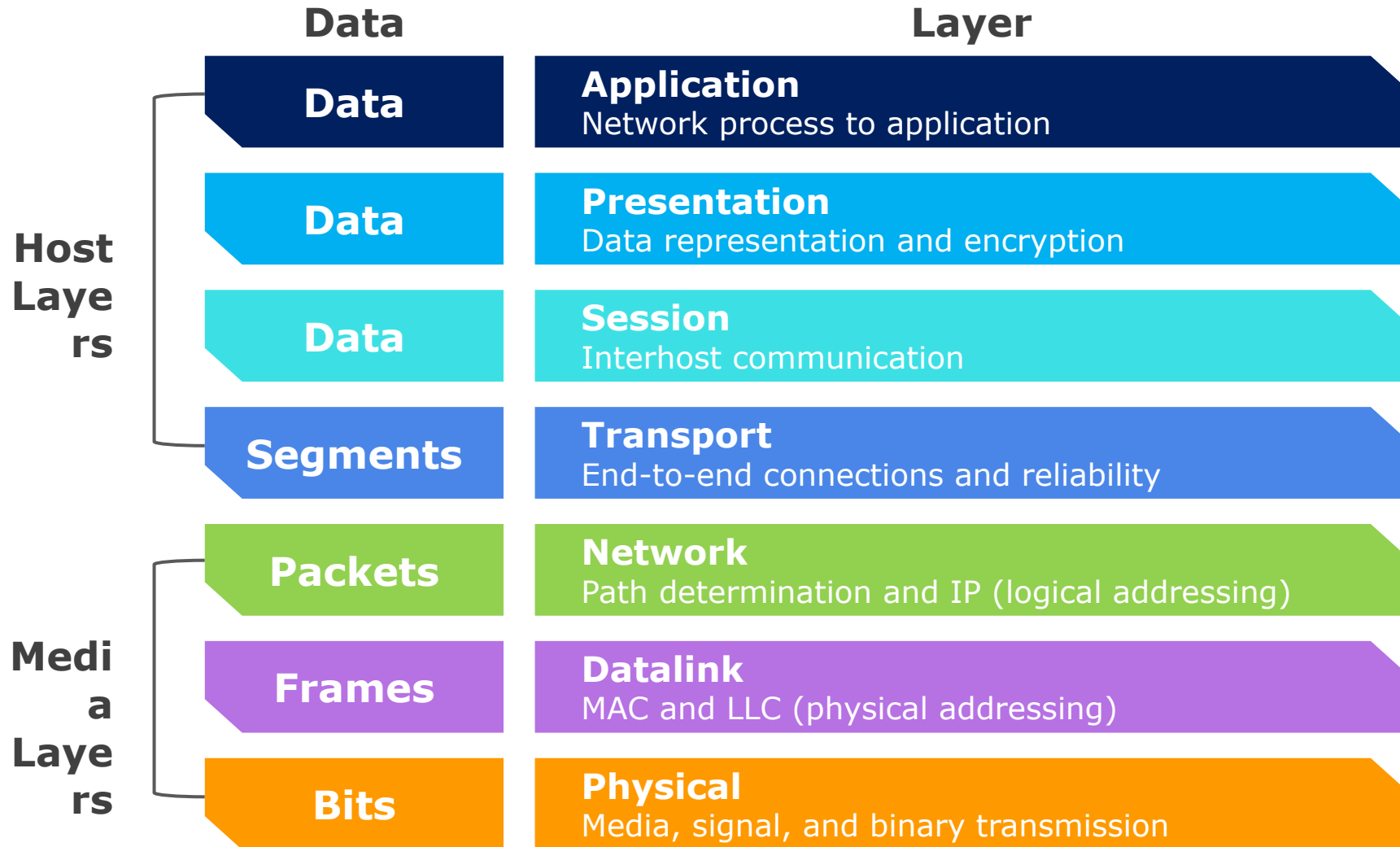
- Started my own Managed Services Provider Pacific Digital LLC (01-current)

If you know of a small office that needs someone to manage their IT, but they can't justify a full-time staff position, please have them reach out to me. This is what we do. Our motto is:

‘Making the Net Work’

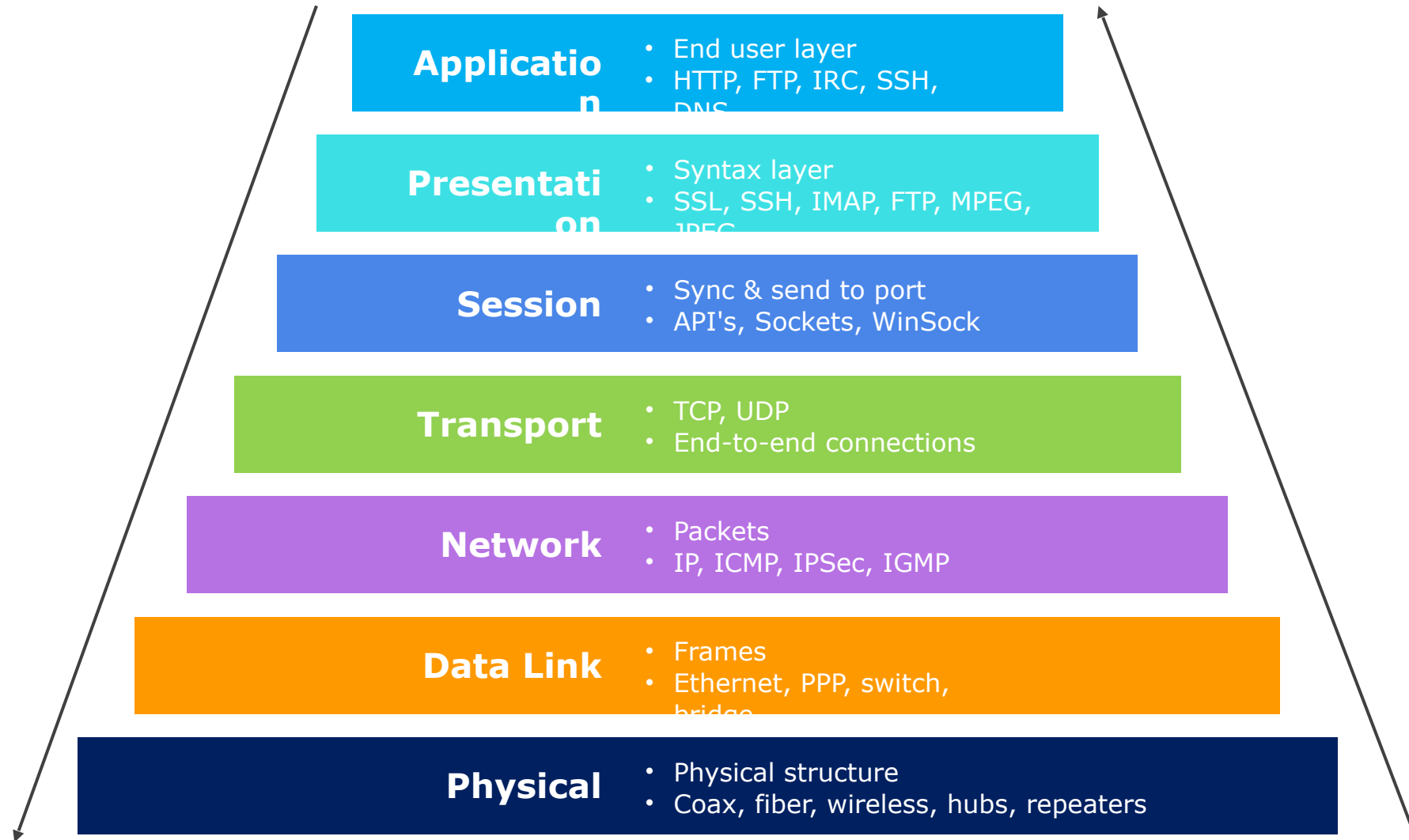
Away
Pizza
Sausage
Throw
Not
Do
Please

OSI Model



OSI Model

7 Layers of the OSI Model



OSI Model

The Advantages of the OSI Model

It is a generic model and acts as a guidance tool to develop any network model.

01

It is a layered model. Changes at one layer do not affect other layers, provided that the interfaces between the layers do not change drastically.

02

It distinctly separates services, interfaces, and protocols. Hence, it is flexible in nature. Protocols in each layer can be replaced very conveniently depending upon the nature of the network.

03

It supports both connection-oriented services and connectionless services.

04

Time for the callback



Application
Presentation
Session
Transport
Network
Datalink
Physical

Thank you!

If I didn't bloviate too long, I am happy to take questions!

Filler Material:

Why you should ditch your ISPs integrated router device (reasons might not be obvious)

What I like for network gear, home vs SMB, and why

Do I need that VPN service my favorite YouTuber is always hawking? (most likely NO)

Roll-your-own subscription-free VPN (free as in beer)

What is a VLAN, and how it can protect you from the CCP (maybe).

goto 10



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