



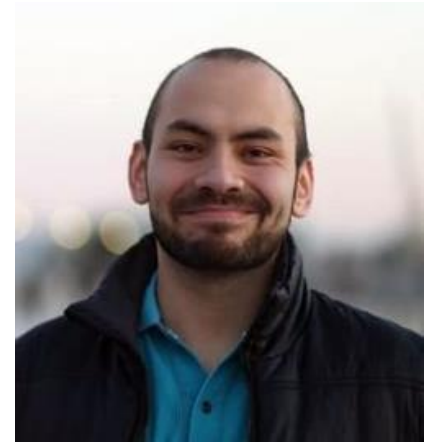
SNEAK PEEK

Cisco Community Expert Series Webcast

Introduction to Network Design

December 11th, 2018

with David Peñaloza

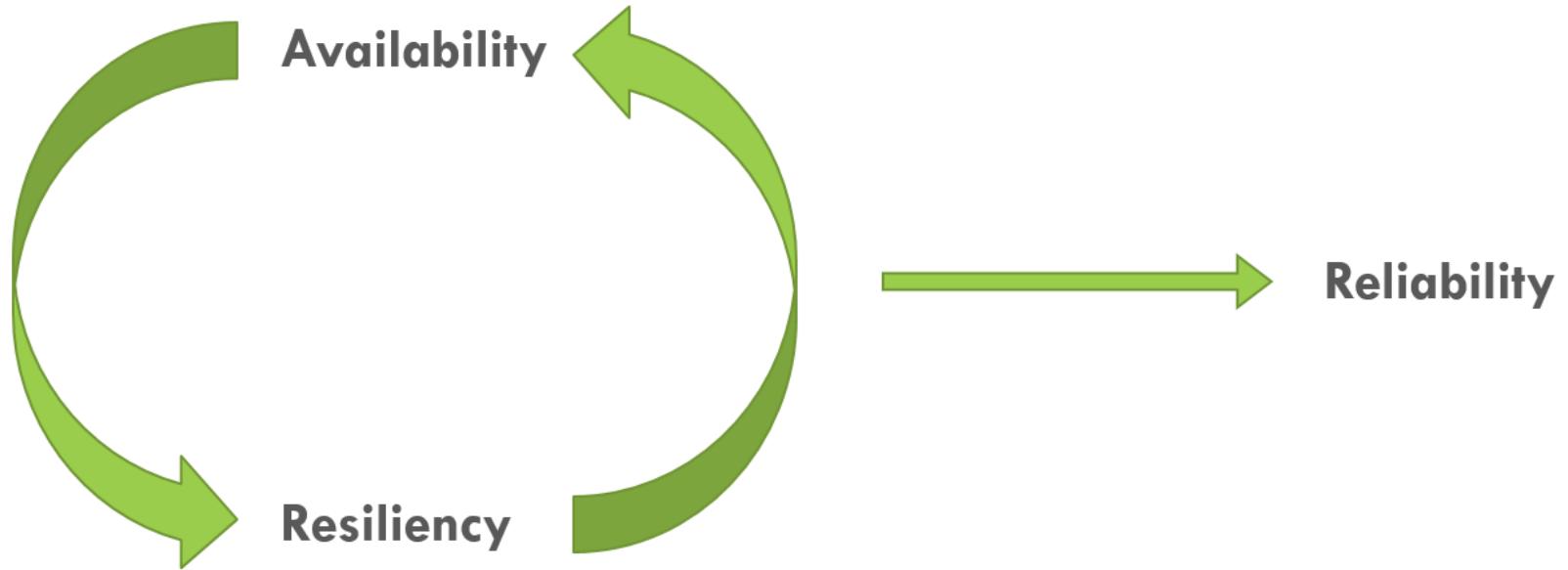


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Agenda

- Introduction
- Network design principles
- Network design mindset
- Place all together, with examples and scenarios
- Conclusions

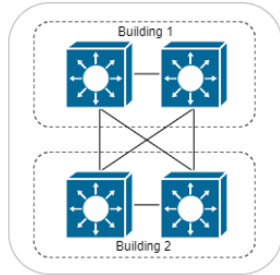
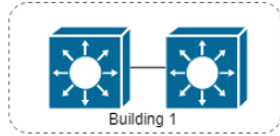
Network Design Principles



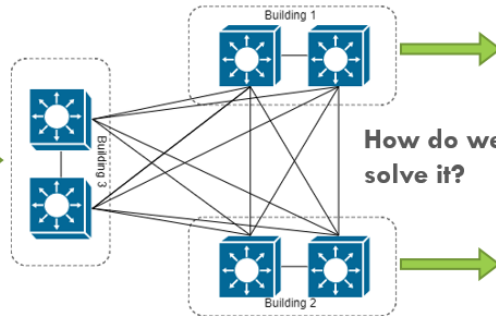
Network Design Principles

Modularity in action

Building with modules

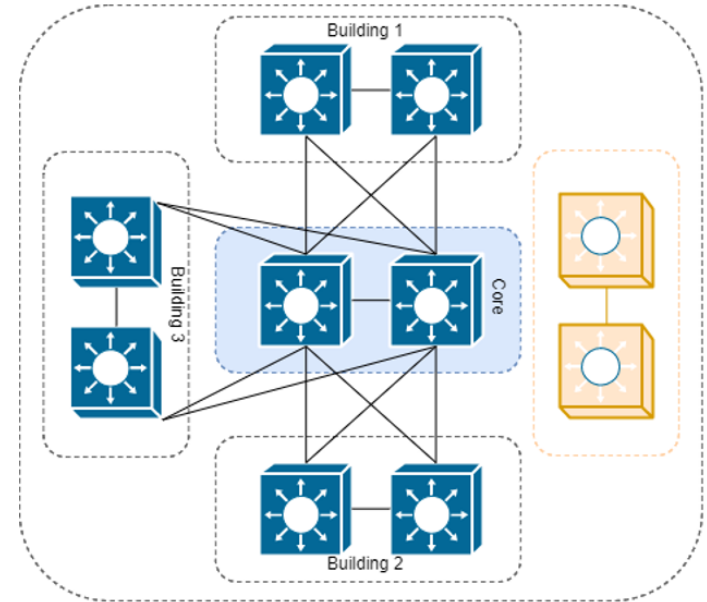


Complexity grows with size



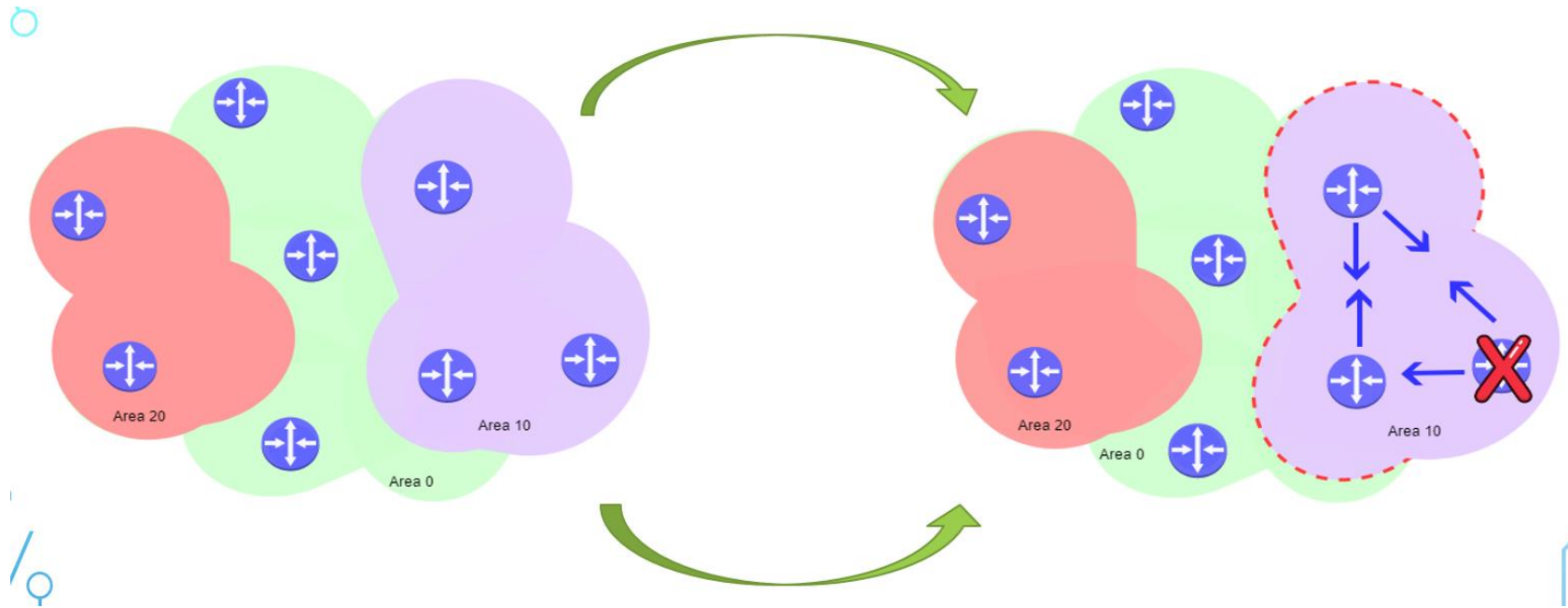
- High number of connections
- Expensive
- Complex

A core module reduces the amount of connections and design's complexity



Network Design Principles

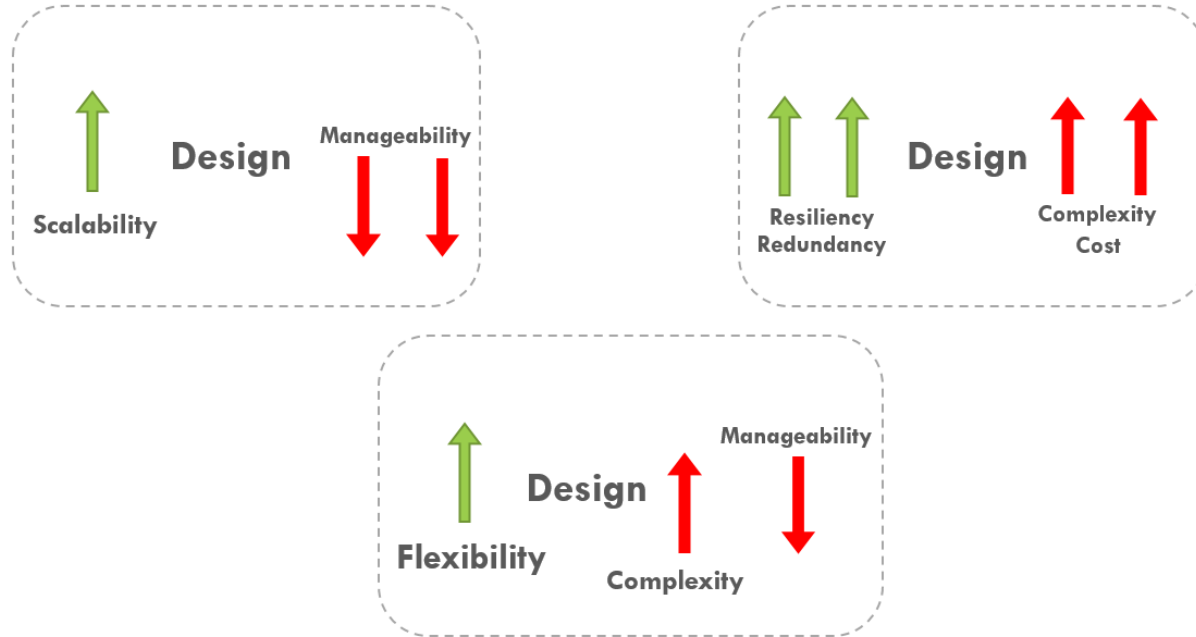
Fault isolation



Network Design Principles

Everything in the right proportions

Design is based on trade-offs



Putting all together

Extracting key information:

- collaboration solutions **Is there QoS implemented?**
- take the next step to modernity **Design goal**
- polish rough edges **Optimization**
- launch a website **Hosting a service – where? On premises? Cloud?**
- rise in their amount of customers **Future growth**
- network grew quickly **Organic growth**
- either not working as expected, flapping inexplicably **Instability**
- few members in their IT staff with limited knowledge **Lack of standardization**
- a lot of OSPF **Current state of the network**
- flood war **Instability**
- They do not know which protocol to use **Compare and contrast options – what do they need from a protocol?**
Granular path manipulation, fault isolation? how are the offices connected? Is there any regulation to encrypt traffic?



Check out some additional information on Network design and trends on the Cisco Community or Cisco.com

SDWAN Evolution & Adoption

<https://community.cisco.com/t5/networking-videos/sdwan-evolution-amp-adoption/ba-p/3376103>

Create Solid Network Design to Impact Business Goals

<https://community.cisco.com/t5/networking-videos/create-solid-network-design-to-impact-business-goals/ba-p/3667854>

If you are not yet a registered user on the community, [Click here](#) to register and become an active participant on the community.



Hope you enjoyed this little peek into the webcast.
Remember it was just a peek. December 11th you get a chance to see the whole thing.



Register Now: <http://bit.ly/webcast-vip-dec2018>

At the webcast you will be able to learn so much more and get a chance to submit questions for the expert to answer during the broadcast.
We'll see you there!