

A Design-Driven Source of Truth

OTTALE DISTRICT

The complete life cycle

Christian Adell Querol ITNOG8, May 2024

>>> About me

Working as network automation engineer at >>> network .toCode()

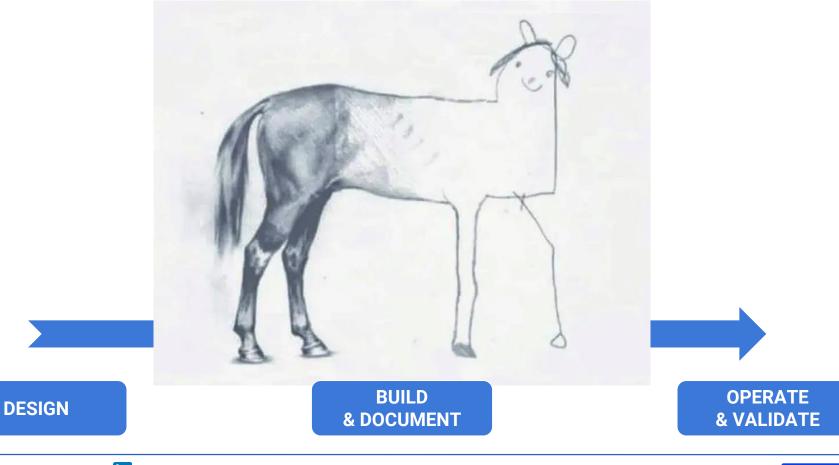
Promoting **community** events at







>>> The Infrastructure Life Cycle, from Design to Operation





Recap about Network Automation

A Design-Driven Source of Truth

Demo it with Nautobot

>>>> network .toCode()

>>> Recap about Network Automation

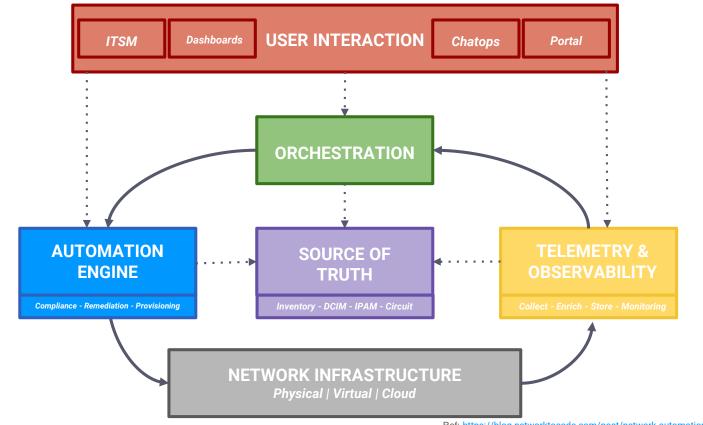
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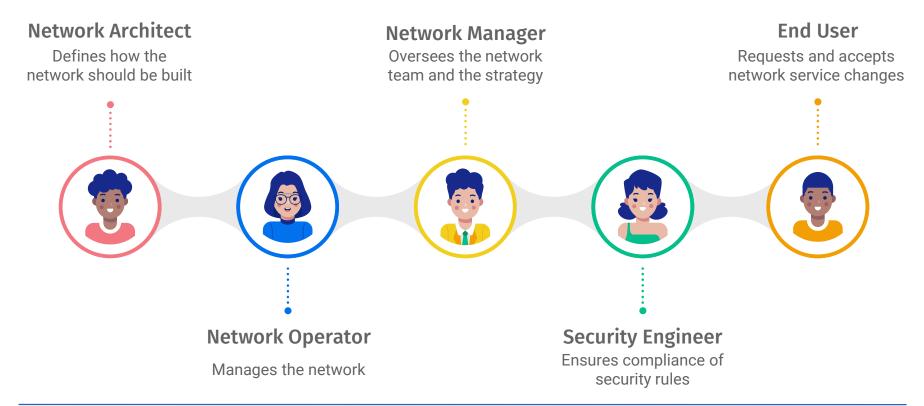
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>>> Network Automation Architecture

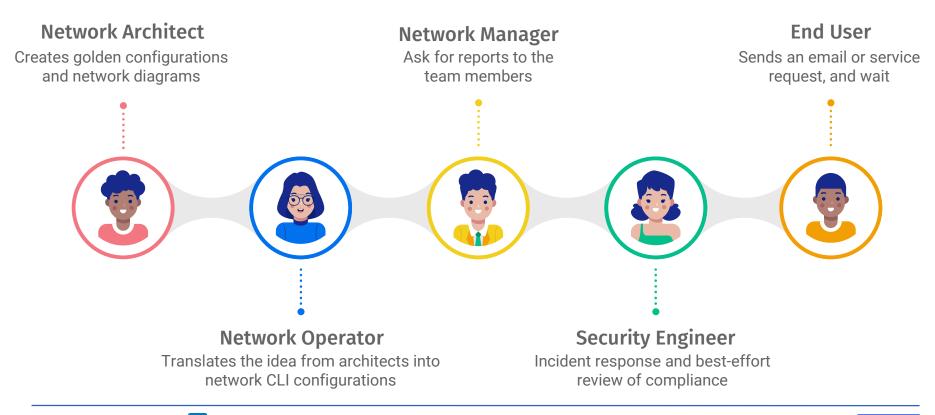


>>>> The network-related roles

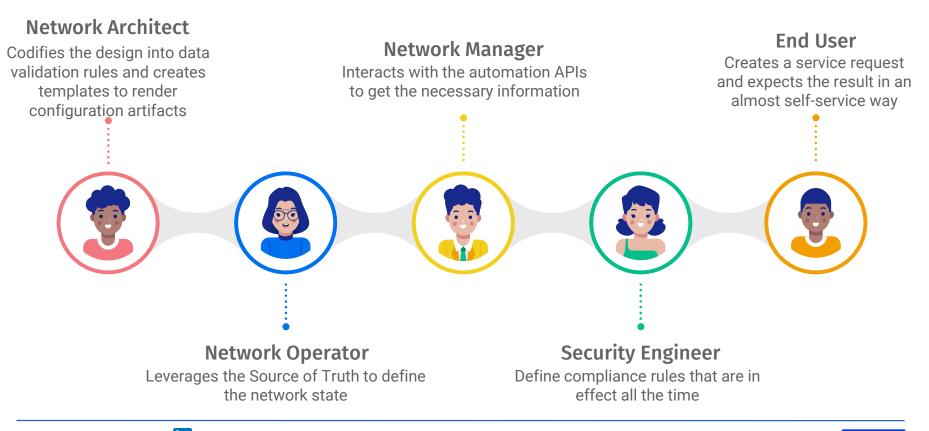
NOTE: there are more roles involved, these are just a few of the most relevant



>>>> The roles **BEFORE** network automation



>>> The roles **WITH** network automation



What could we do better?





A STREET, BANK

>>>> Pie on the Sky

01

Data input is simpler and valid because is abstracted and enforced by the design 03

The networks are more **reliable and predictable** by enforcing standardization

02

Tracking the life cycle of a service is easier because the related data is connected together

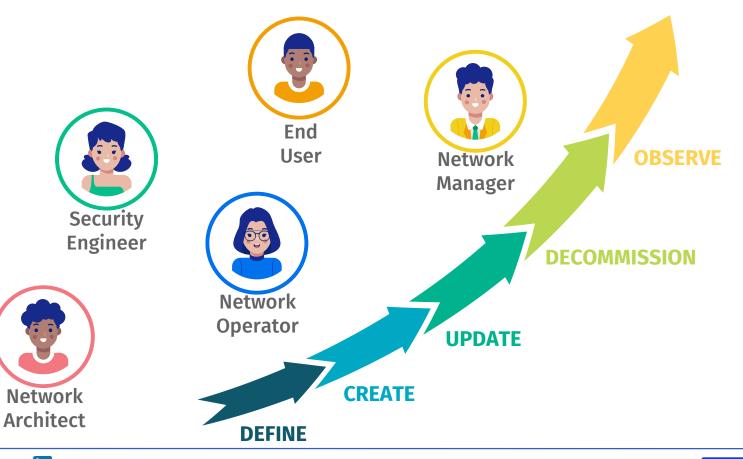
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Data consumption is more efficient because it exposes what is needed

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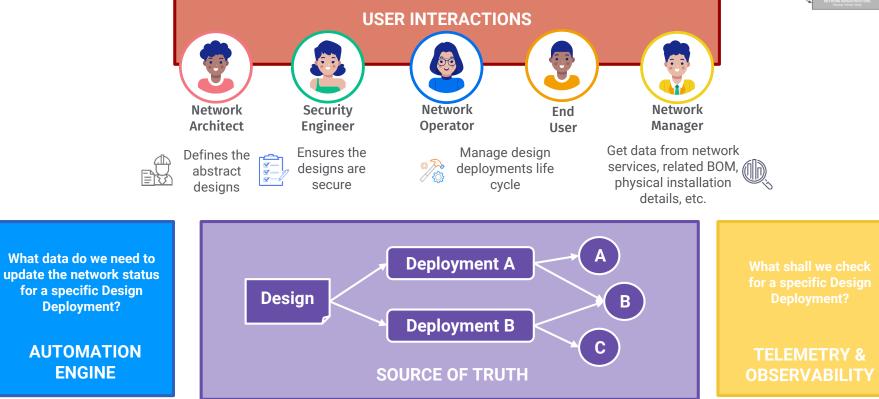
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>>>> A Design-Driven Life Cycle

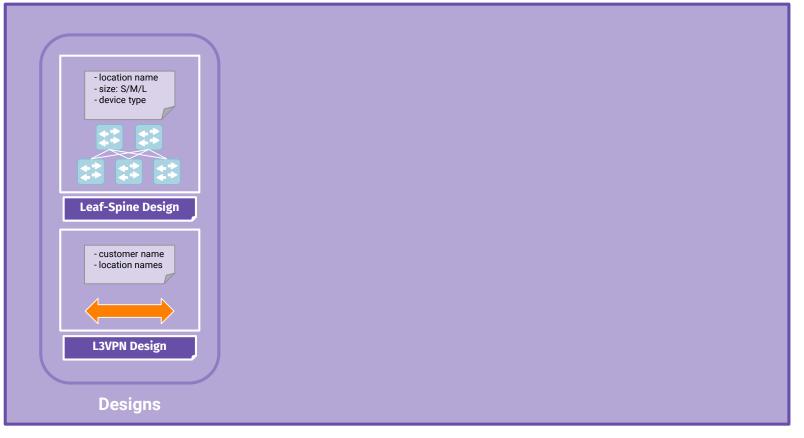


>>> The Design-Driven Source of Truth Workflow

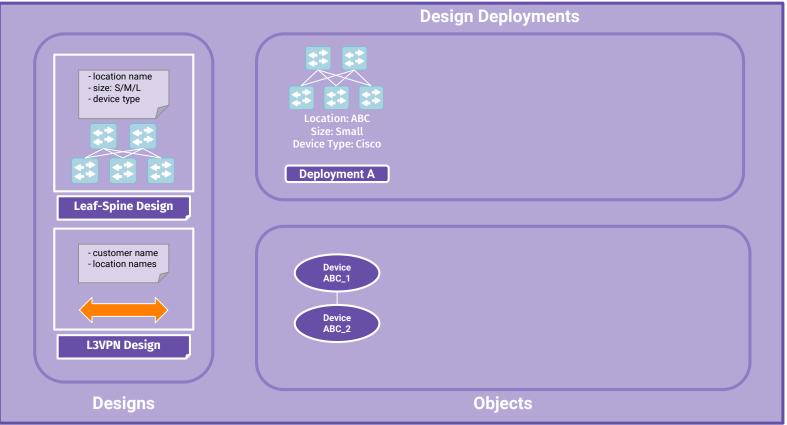




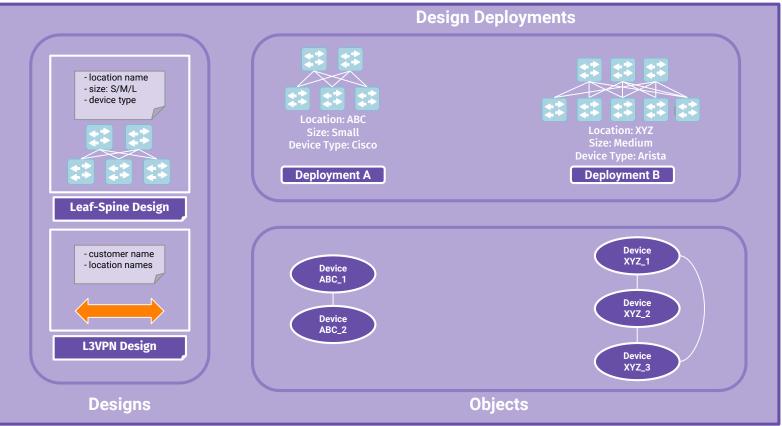
>>>> Step 1: Create Designs



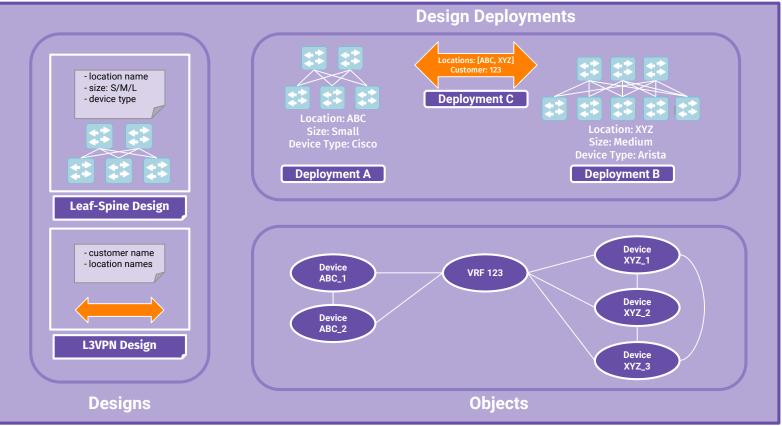
>>>> Step 2: Deploy a Design



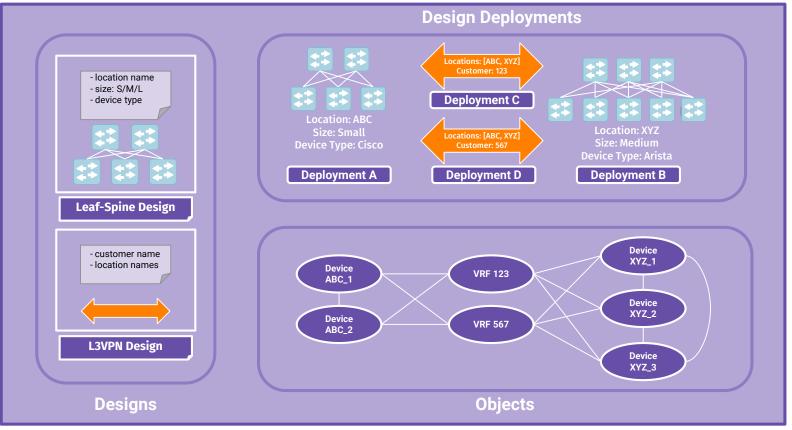
>>> Step 3: Deploy a design with different input data



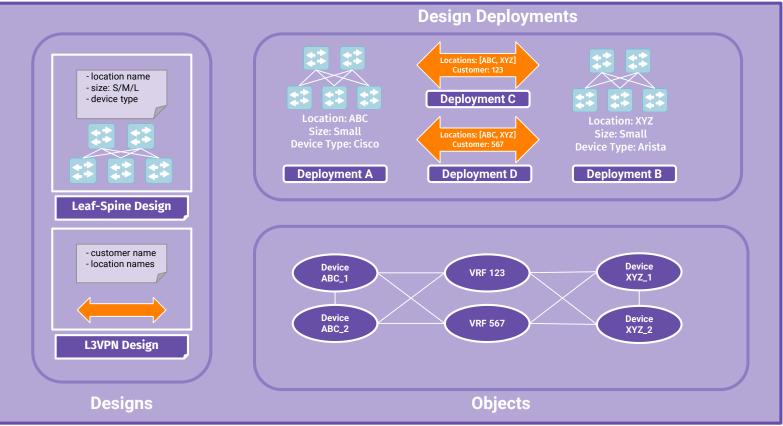
>>> Step 4: Deploy a new design that depend on others



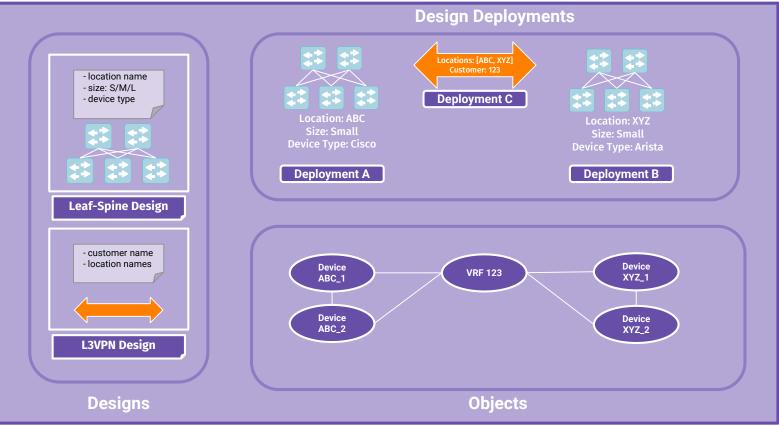
>>>> Step 5: Yet another deployment



>>>> Step 6: Update an existing deployment



>>>> Step 7: Decommission an existing deployment



Just words or something up and running?

>>> Demo

Using Nautobot Design Builder App

https://blog.networktocode.com/post/design-builder/

CHARM CARDS

THE OWNER OVER



Thanks for your time!

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