

# Comprehensive Infrastructure Automation

A NAFsourced Framework

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AUTOCON 2

THE NETWORK AUTOMATION CONFERENCE

What is this talk not about?

If network automation is a journey, are we all going to the same place? Want the same things?

The problem: We need a map, a  
lexicon to understand each  
other, a systemic way of  
thinking

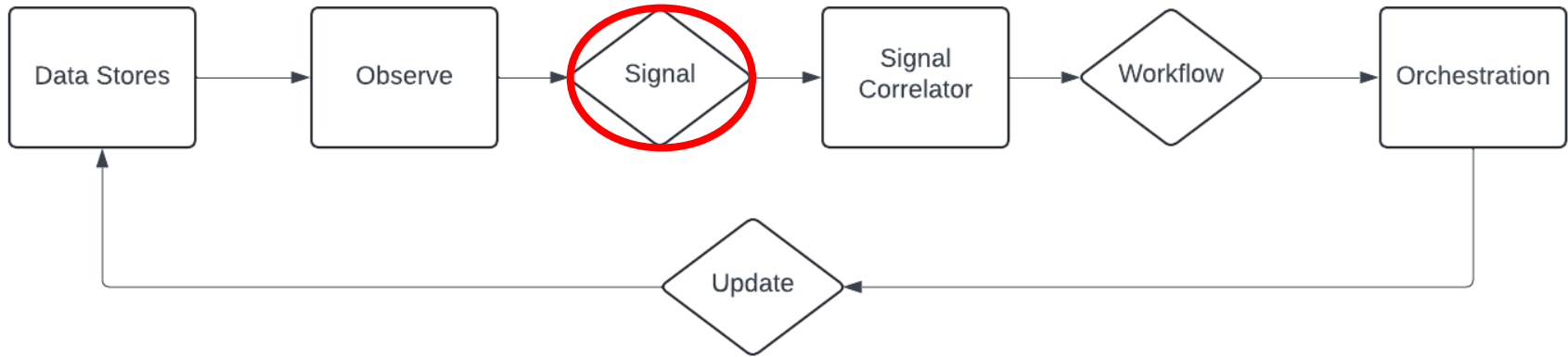
Lessons learnt over years of practicing this from companies like AWS to much, much smaller companies

Conversation around  
automation today:  
configuration and a couple of  
specific tools

Business logic drives workflows  
which consists of multiple  
parts, each of which can be  
automated

# Signal Driven Workflows

- Covers network lifecycle (Design, Build, Deploy, Validate, and Operate)
- Each step can be further decomposed into individual blocks each of which can be automated





# Composable, Reusable building blocks

Signals

Datastores

Workflow

Automation

Datastores: Whats wrong with  
SoT?

# Signals

Business-logic driven

Observability driven

# Workflows

Example: Add a VLAN

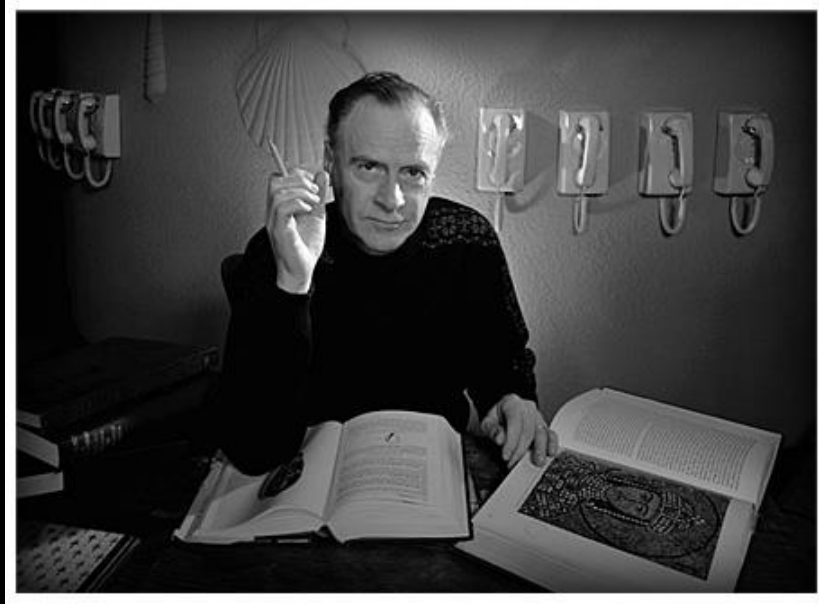
# Automation

Examples:

- Render a template

- Push config

So, what can we do as a  
community?



*We shape our tools, and thereafter our tools shape us - Marshall McLuhan*

Questions?

