Choosing the Right Configuration Management Tool



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Agenda



How to interpret the scenarios

Scenario steps:

- Business/technical background
- YOU propose a solution
- Review the solution

Repeat steps for all different case studies



Drivers and Constraints



Growth

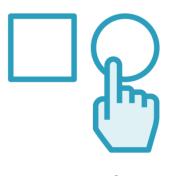


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Technical skills



Decision/pivot



Human barriers



Scenario-based Challenges

More talking than usual

Text available in course files

Analyze first, design second



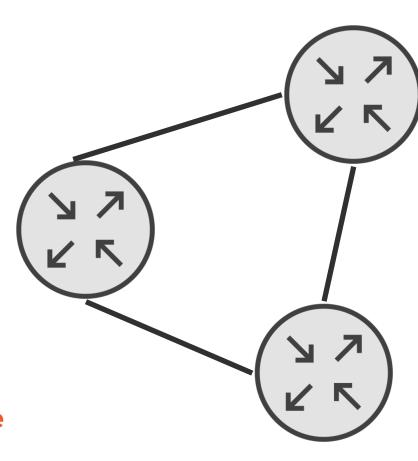
Scenario 1: Global Service Provider

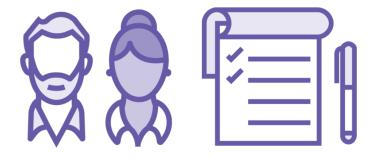


Approves customer turn-ups weekly



Approves infrastructure changes quarterly





Admins have basic skills and follow standard procedures





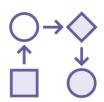
Scenario 1: Solution Analysis



Improve profitability by reducing and avoiding cost drains



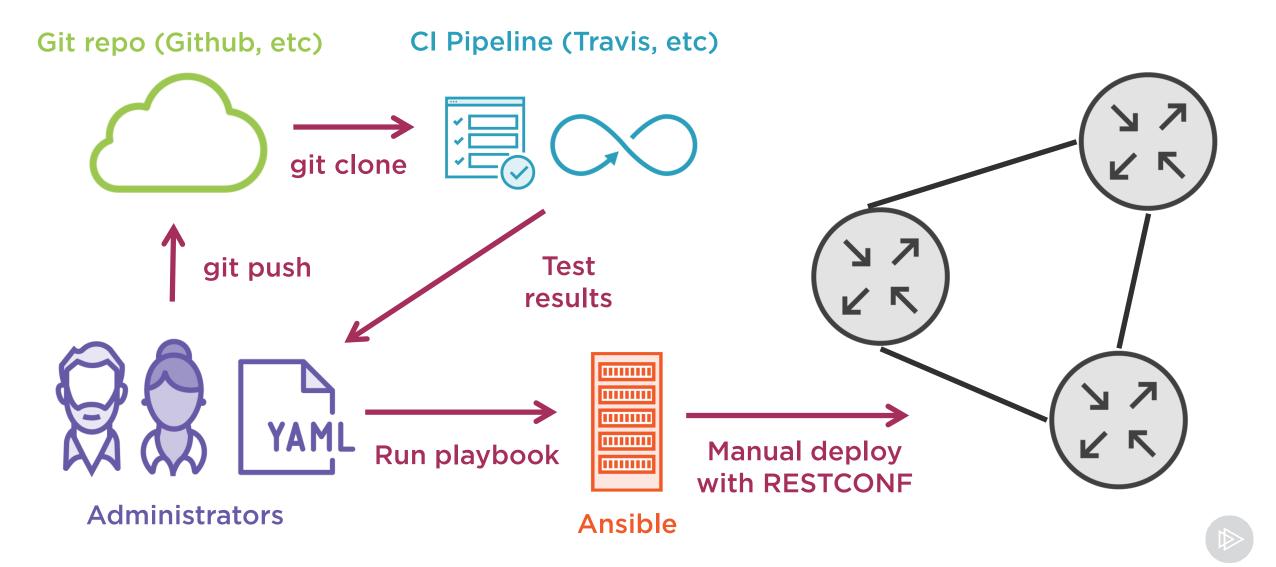
Manual infrastructure changes/deployments with automated testing



Infrastructure as code solution that is simple and easy to use



Scenario 1: Solution Design

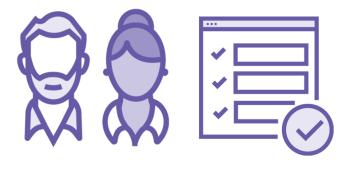


Scenario 2: Growing a Computing Environment









Admins are talented and tests exist



"Prove that you need this moneybag"



Scenario 2: Solution Analysis



Growth through sales; management "driven by data" to spend money



Able to install new SW on systems and highly-skilled admins



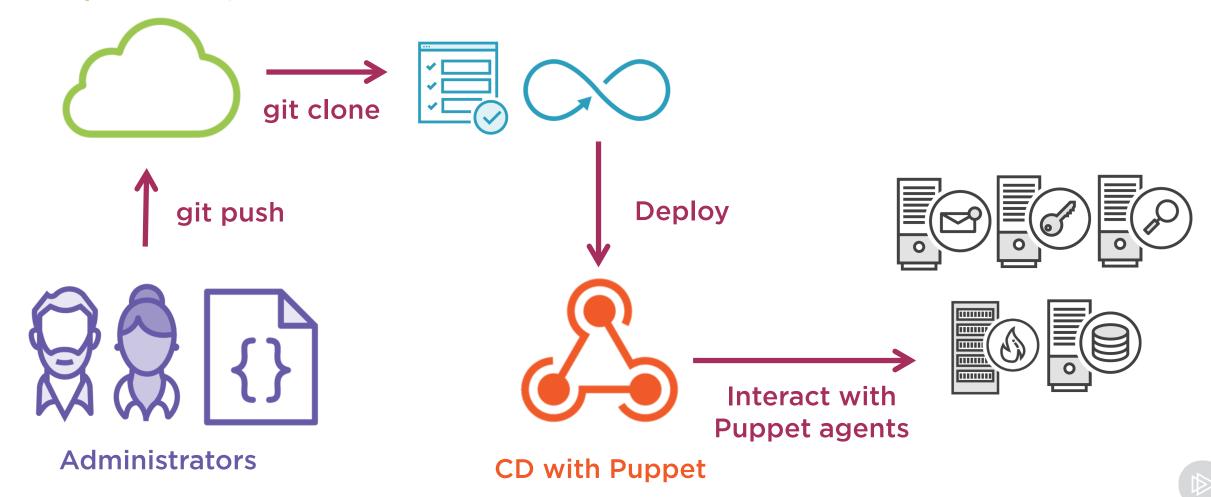
No apparent management hurdles preventing deployment



Scenario 2: Solution Design

Git repo (Github, etc)

CI Pipeline (Travis, etc)



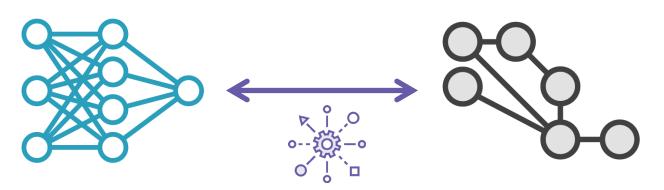
Scenario 3: Build vs. Buy







Organized existing corporate network



Poorly organized mine network

Unified management?



Scenario 3: Solution Analysis



Good, cheap, fast; pick two. Customer wants good and fast



Reduce long-term operational expense (OPEX) after acquisition

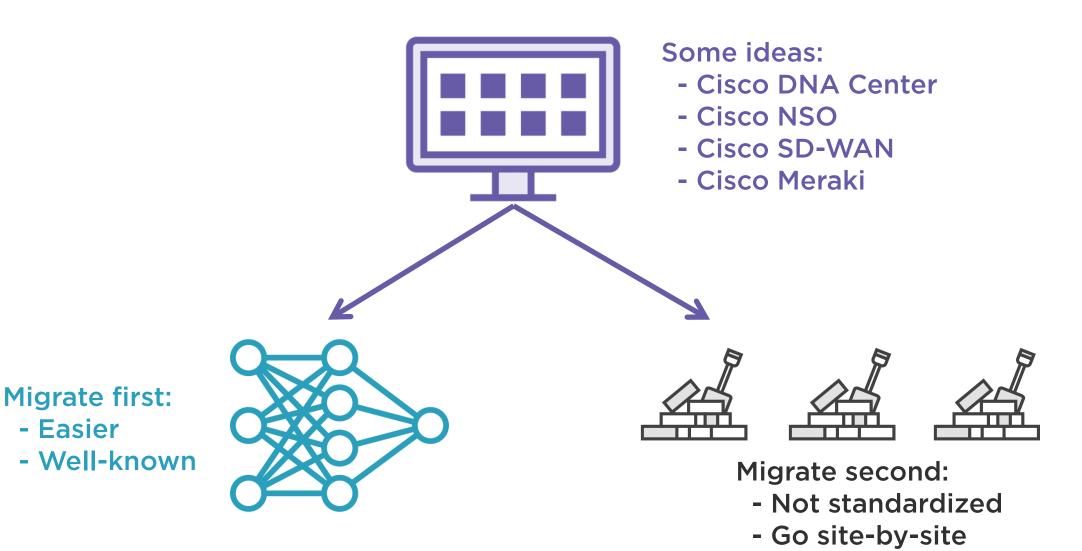


Software developers primarily focused on customer products



Scenario 3: Solution Design

- Easier





Summary



Infrastructure automation is the future

Model-driven telemetry and dashboards

Provisioning and Managing Networks
 Using Common Automation Tools
 (TIG)

Choosing the right technical solution

Get your Skill IQ

Mastering Cisco DevNet Application
 Design and Network Automation
 Techniques

Thank you!

