Managing Device Configurations Using DNA Center Templates

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Agenda

Velocity Template Language (VTL)

Template operations:
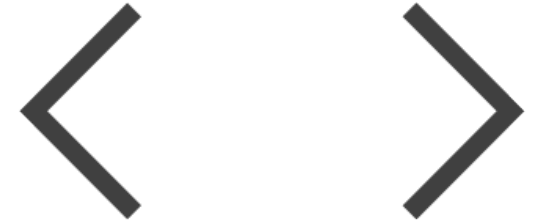- Building and rendering
- Versioning and deploying

What Is VTL?

Text templating language

Good Java integration

Basic programmatic actions

```
*** YAML variable input ***
ntp:
  authenticate: true
  servers:
    - "192.0.2.1"
    - "192.0.2.2"



*** VTL template ***
## APPLY BASIC NTP CONFIG
#if($ntp.authenticate)
ntp authenticate
#else
no ntp authenticate
#end
#foreach($s in $ntp.servers)
ntp server $server
#end
```

◄ Example variable structure

◄ Single line comments begin with ##

◄ Example "if/else" logic

◄ Example "for" loop

Demo

Offline VTL development with vtl-cli

Demo

Creating and rendering templates

Demo

Versioning and deploying templates

Summary

Experimenting with VTL

Creating and deploying templates

Challenge:

– Build your own templates based on features relevant to your job