Towards a Method for end-to-end SDN app development

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Problem

App Developer

Different controllers

config.ini
configuration.py
MANIFEST.MF

Different ways
to configure

Only for specific topologies

Network Administrator

How can I deploy/manage them?

How can I configure them?

Does it work on my topology?
Idea

Apps with sys. requirements
Composition
Configuration Interface
Topology Requirements

NetIDE Package

Configuration
Topology Mapping
Deployment Configuration

Icons in part by: https://icons8.com/
Benefits

- Network Administrator
- Deployment Automation
- Implementation-agnostic configuration
- Topology Verification

- App Developer
- So many Controllers!
- Different ways to configure
- Only for specific topologies

- Clearer Distinction
- config.ini
  configuration.py
  MANIFEST.MF

All in one IDE