

Network Fabric Configuration for SONiC



What do we

have Today?

- 1. Base CLI Framework
- 2. CLI framework streamlining is WIP with-in community -
- 3. Python Utilities
- 4. Minigraph
- 5. Config_db.json



I want better

- Single unified interface for management and orchestration
- No additional software
- Language agnostic
- Follows microservices model
- Futuristic





Unified Management Service for SONiC





	Image/Config Upgrade	VLANs/IP /LAGs	BGP Fabric	Monitoring/ Troubleshooting
Ansible	Yes	Yes	Yes	Yes
Chef	Yes	Yes	Yes	Yes
Custom Scripts	Yes	Yes	Yes	Yes

How does this work - Demo



A Playbooks **Spine Layer** . . . - -. - - -SP2 SP1 AIMS API Leaf Layer ----| = = = | = = = | - - -..... LF1 LF2

Sounds cool, but show me how?



Role	Name	MGMTIP	Interfaces	ASN
Spine	Spine01	192.168.0.50	Eth0-Eth60	62001
Spine	Spine02	192.168.0.51	Eth0-Eth60	62002
Leaf	Leaf01	192.168.0.54	Eth0-Eth60	63001
Leaf	Leaf02	192.168.0.55	Eth0-Eth60	63002



Looking Forward





- Provide SDK for all protocol
- Provide cookie cutter "ready to deploy" Open Source Solutions
- Integration with Cloud Infra software
- Open Source after scale and stress test

