SaltStack

Configuration Management Tool

Introduction

- What is configuration management
- Need for configuration management
  - configuration drift
  - versioned configuration
  - environment management
  - orchestration

Types

- Agent vs Agentless
- Push vs Pull
- Procedural vs Declarative

Popular Configuration Management Tools

- Ansible
- Chef
- Puppet
- Saltstack

Comparison

|	Ansible	Chef	Puppet	SaltStack
Agent	No	Yes	Yes	Yes
Agentless	Yes	No	No	No*
Masterless	Yes*	Yes	Yes	Yes
Push	Yes	No*	No*	Yes
Pull	No*	Yes	Yes	Yes
Declarative	No	No	Yes	Yes
Procedural	Yes	Yes	No	No
Event driven	No	No	No	Yes
Peer communication	No	No	No	Yes
Orchestration	Yes	Yes	Yes	Yes

Why Saltstack

- Highly scalable
- Modular
- Extensible
- Orchestration
- Event driven
- Multi master
- Syndic master
- Community support

SaltStack basics

- grains
- pillars
- states
- formulas
- etc

Saltstack flow
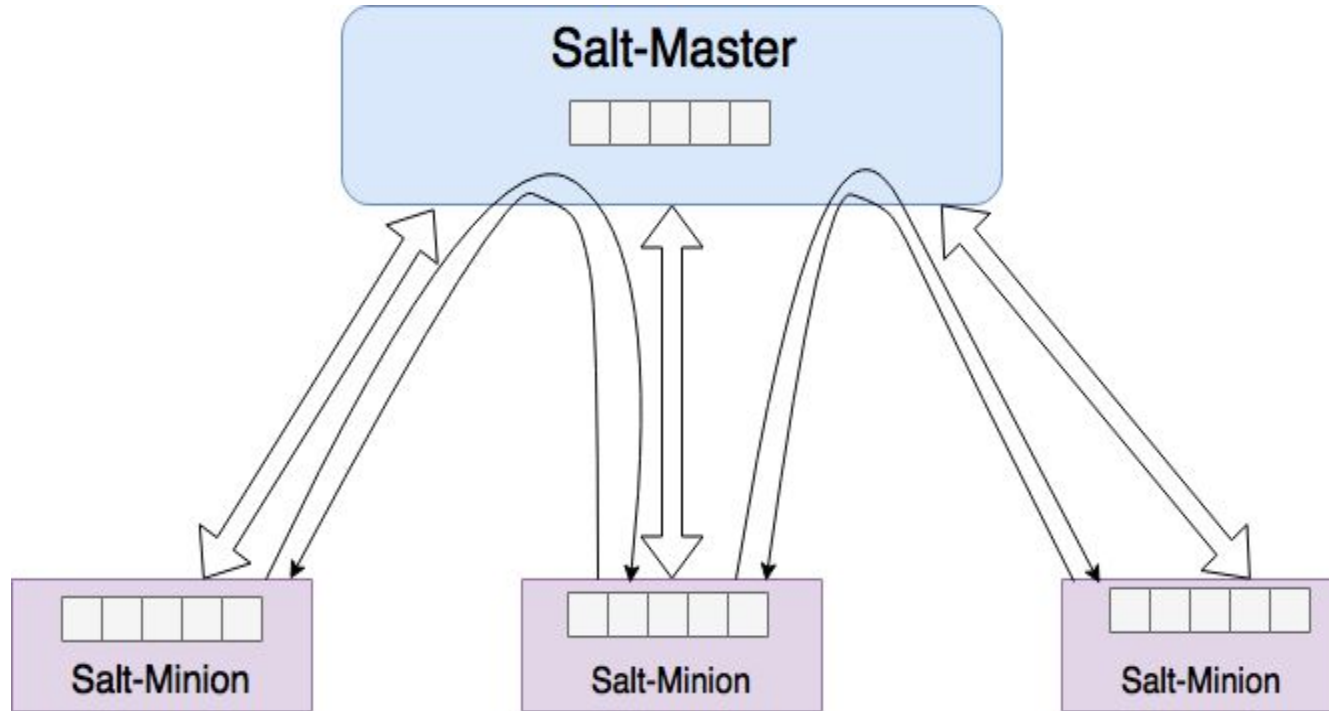
How are we doing it? — Demo

Questions?

Thank you!

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