Planning and Installing Chef

Planning for Chef

James Bannan

@jamesbannan | www.jamesbannanit.com

Module Overview

Why traditional management doesn't scale

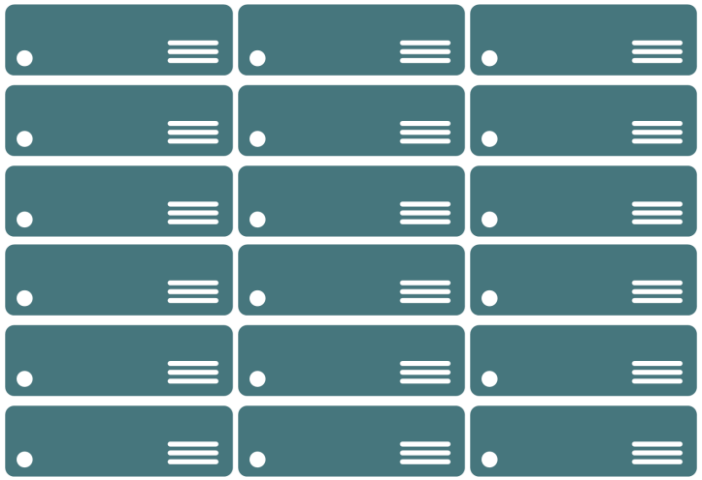
Why infrastructure-as-code is the way forward

Infrastructure-as-code: Chef-style

Sign up for Hosted Chef

How Chef works: structure and components

The Problem



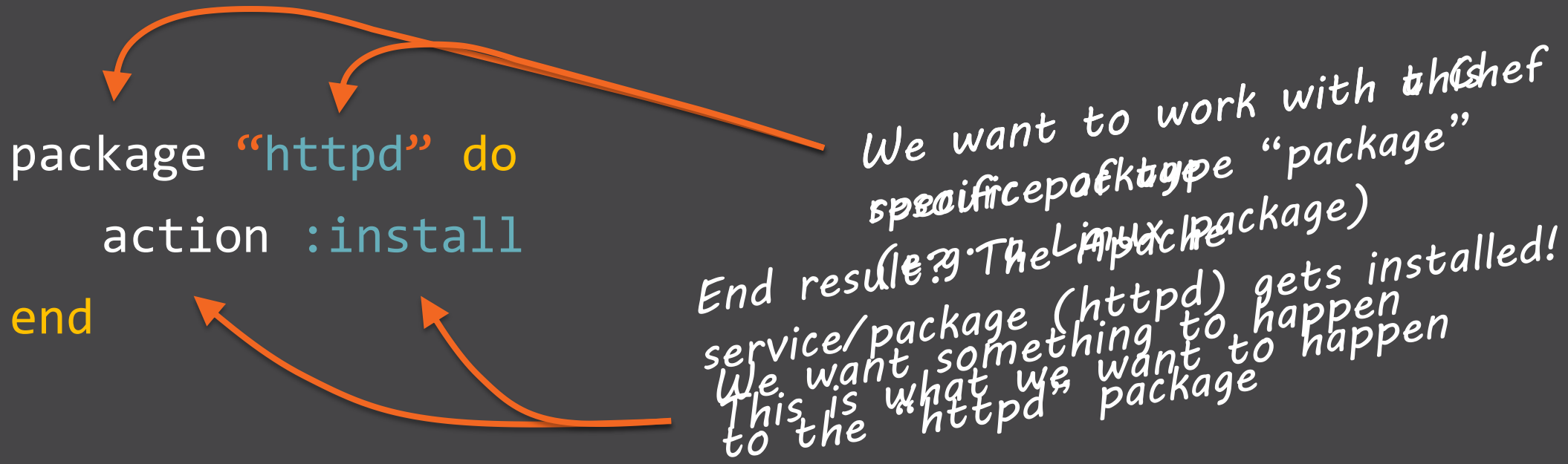
- Traditional per-machine management (e.g. RDP/SSH/WinRM)
- On-premises infrastructure expands. Management overhead increases
- Infrastructure expands to incorporate cloud services
- Traditional per-machine management does not Scale.
  Time wasted.
  Business loses agility

The Answer

Infrastructure as Code

Versionable | Testable | Repeatable

Sample Chef Recipe



Idempotent

Denoting an element of a set which is unchanged in value when multiplied or otherwise operated on by itself

Hosted Chef or Chef Server?

Hosted Chef

- Fully cloud hosted (SaaS)
- Easy to set up
- No ongoing maintenance
- Very limited customization options
- No control over access speeds

Chef Server

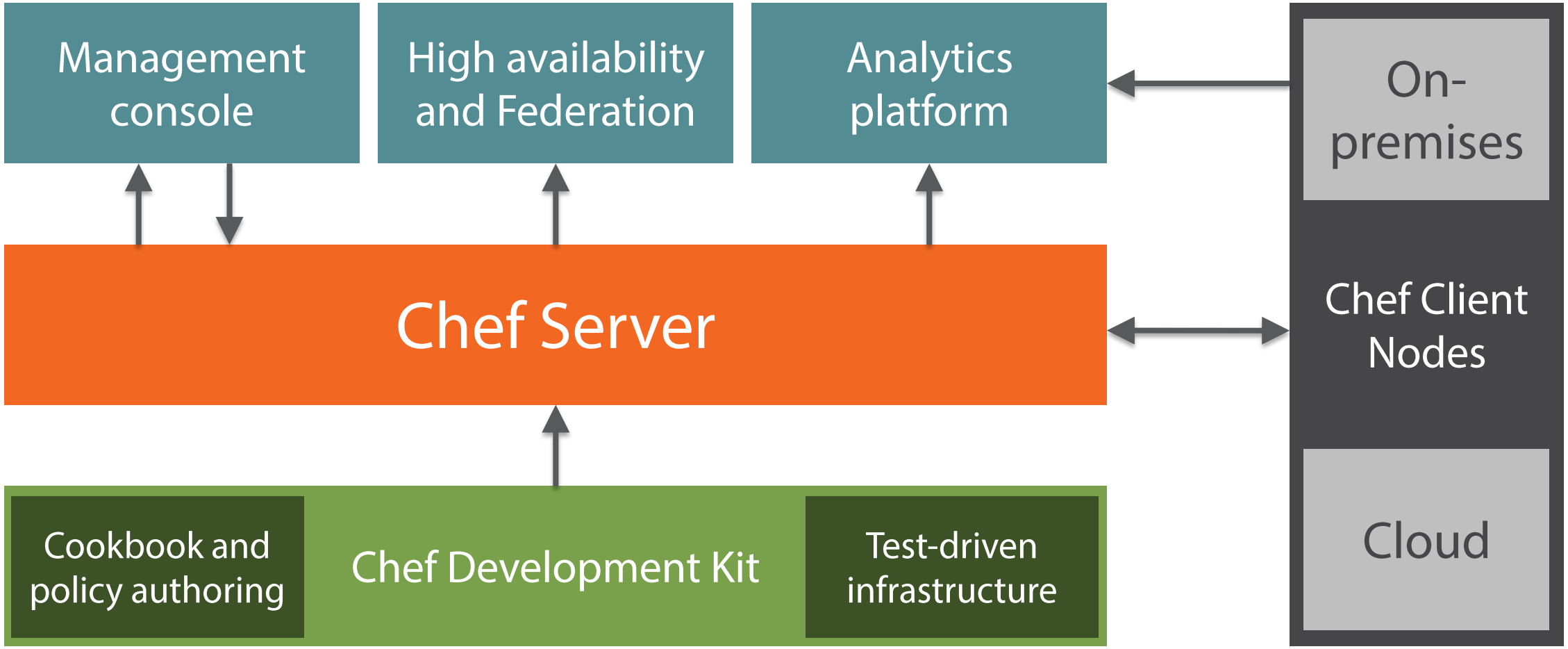
- Installed on-premises or cloud IaaS
- More complex installation
- Requires normal maintenance
- Allows fine-grained control
- Enables rapid deployment/updates

Sign up for Hosted Chef

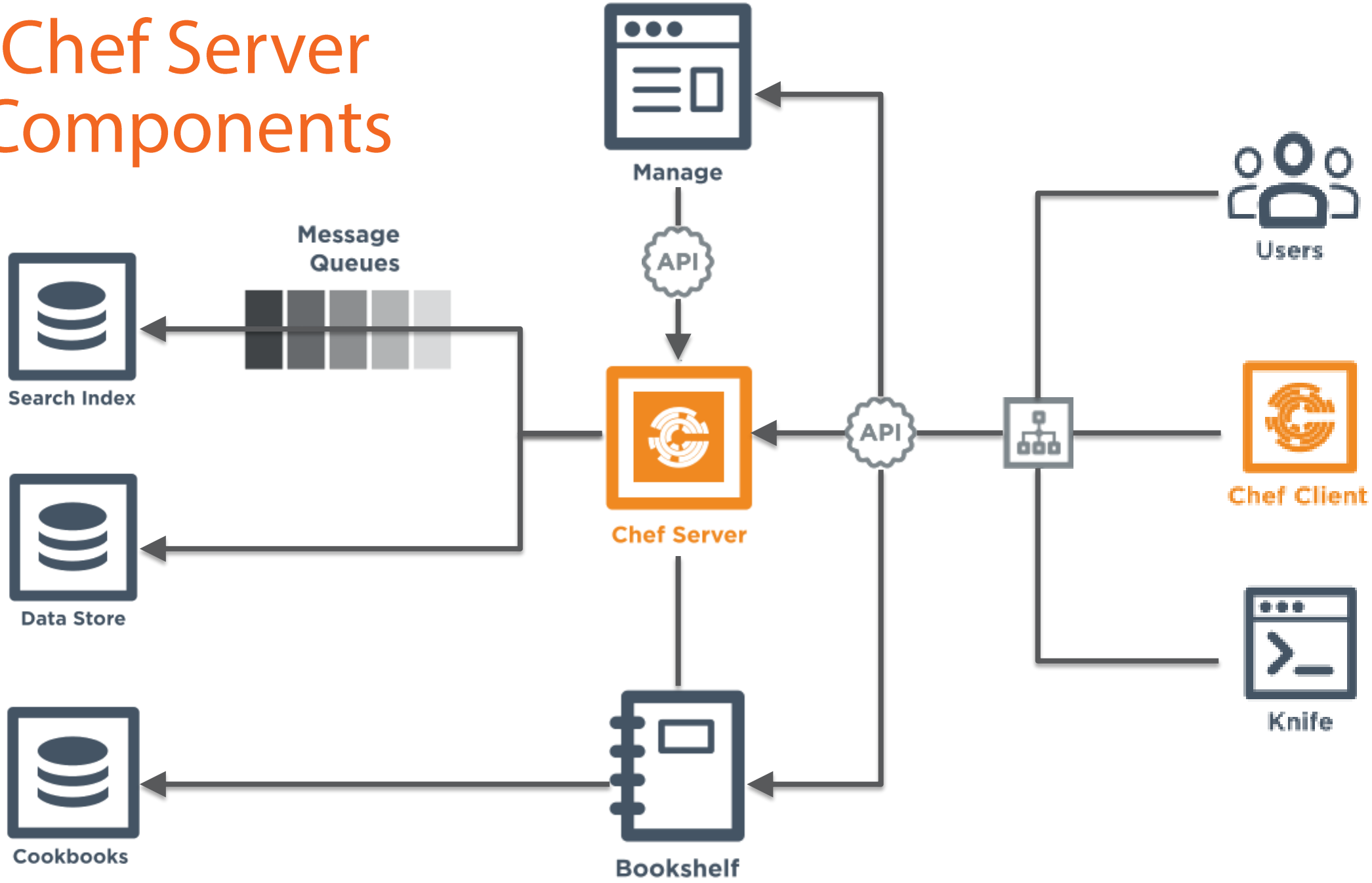
Create a new Hosted Chef account

Access the Chef Management Console

How Chef Works



Chef Server Components



Module Summary

- Traditional server management doesn't scale well
- Infrastructure-as-code lets us scale easily
- Chef lets us declare a desired end-state
- We know how Chef Server works
- We know the core components of Chef