

# **Puppet Enterprise**

The shortest path to better software.

**Greg Larkin** 

**Professional Services** 

greg.larkin@puppet.com

### **Shout-outs**

# Bill Kendrick Linux Users' Group of Davis

#puppetize



# Let's do a poll

Who is new to Puppet?

How many developers are here?

How many sysadmins?

Do you manage:

**Linux? Windows? Heterogeneous environment?** 









# We help great companies

become great software companies
deliver fantastic experiences to their users
provide better software, faster
and do it simply, at scale and securely



# The common thread

**DevOps** 

**Cloud Adoption** 

**Security & Compliance** 

**Application Deployment** 



# **DevOps**

Move faster without sacrificing stability or security



### How do we see DevOps?

### Loose and evolving collection of practices

Infrastructure-as-code

#### **Cross-team automation tools**

- Automated testing
- Continuous integration
- Continuous delivery

**Shared operational pain** 







# **DevOps delivers results**

Survey results from more than 5,000 respondents across 6 continents:



Increase in code deployment frequency



Fewer failures



Higher business growth



# Puppet = a proven DevOps platform







**Deliver faster** 



Increase productivity



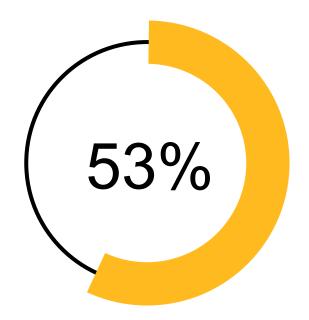
# **Cloud Adoption**

Adopt, unify and manage cloud environments



# How do we see cloud adoption?

#### **Cloud adoption drives business**



Of organizations believe cloud will help them improve their revenue



### **Automation in the cloud**

Native tools don't work

Manual approaches / scripts are problematic

**Misconfiguration creates risk** 



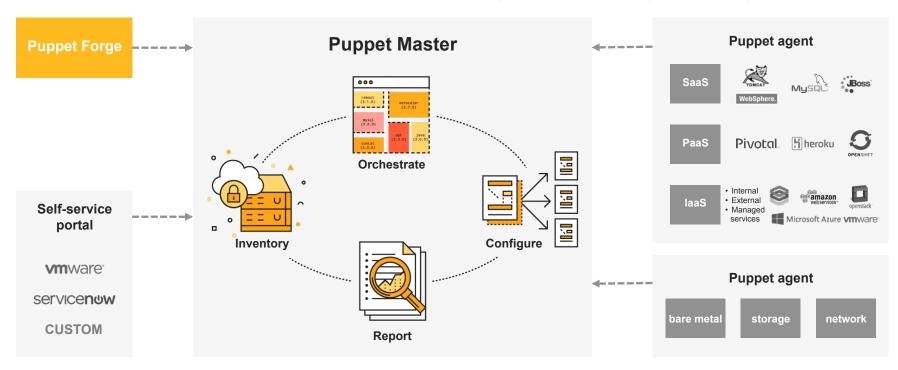


= Risk



## Puppet = unify physical, virtual, cloud

enforcement & remediation • code consistency • code visibility • security & audit



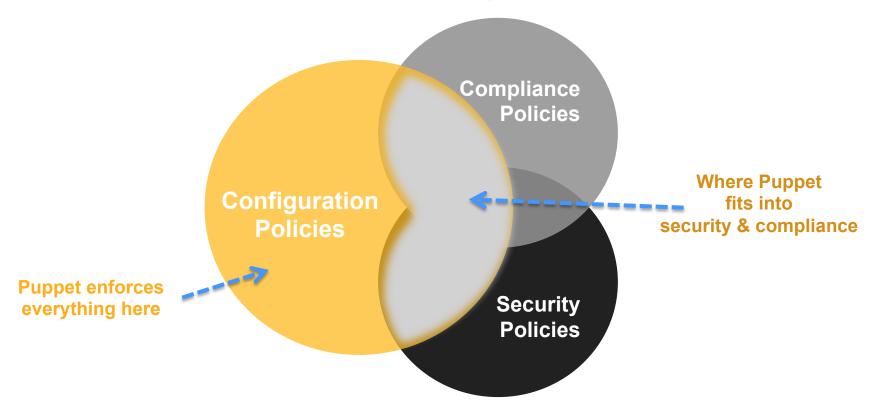


# **Security & Compliance**

Reduce risk, prove compliance



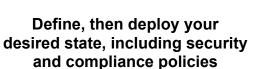
# How do we see security & compliance?

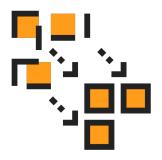




# Puppet = reduce risk, prove compliance







Puppet continually enforces your policies, and automatically remediates drift



Get full traceability, auditing and reporting to quickly and easily prove compliance



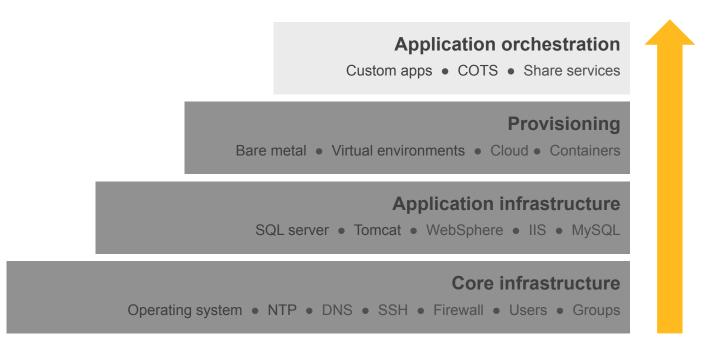
# **Application Deployment**

Get applications out the door faster



## How do we see application deployment?

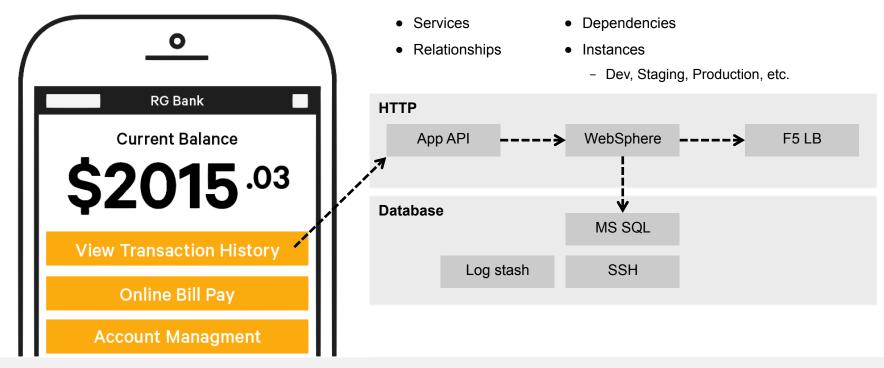
#### Start with core infrastructure and work up





# **Example application**

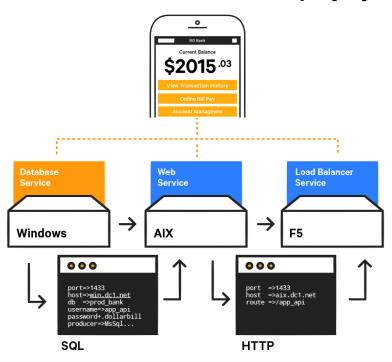
#### Use Puppet language to model your application





# **Example application**

Puppet Enterprise determines order and deploys your application.



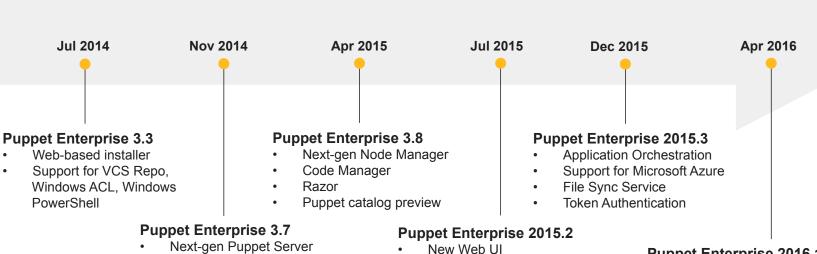


# **Puppet Enterprise evolution**

Looking into the future...



# **Puppet Enterprise evolution**



- **Puppet Server Reporting**
- Node Manager
- Role-based access control
- Activity logging

- Interactive Node Graph
- Inventory Filtering
- **New Unified Agent**
- Language updates
- Support for VMware vSphere & Citrix NetScaler

#### **Puppet Enterprise 2016.1**

- Infrastructure & Application Orchestration
- Dependency Graph
- Code Management enhancements
- Token Revocation
- Splunk & Atlassian HipChat integrations



#### Gain situational awareness

Resource: Service[httpd]

**Event timestamp:** 2016-02-10 18:56:51.691 Z

Status: failure

File: /etc/puppetlabs/code/environments/production/modules/apache/manifests/service.pp

Line #: 42

#### Event Details

Property: ensure
Old Value: stopped
New Value: running

Message: change from stopped to running failed: Could not start Service[httpd]: Execution of '/usr/bin/systemctl start httpd' returned 1: Job for

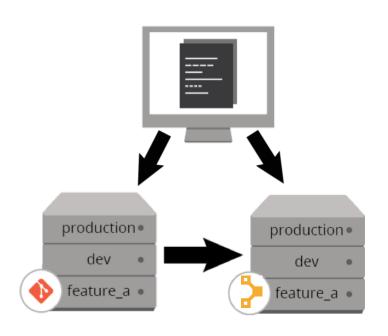
httpd.service failed. See 'systemctl status httpd.service' and 'journalctl -xn' for details.



- Visualize environments & application dependencies
- Automated testing
- New reporting tools



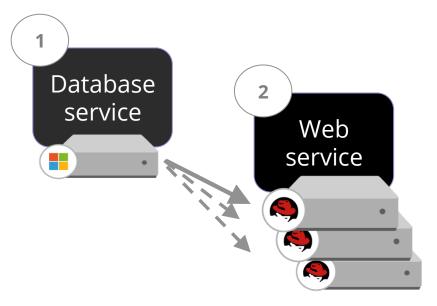
# **Drive change with confidence**



- Orchestrate how and when changes are made
- Automated, repeatable workflows
- Version infrastructure code



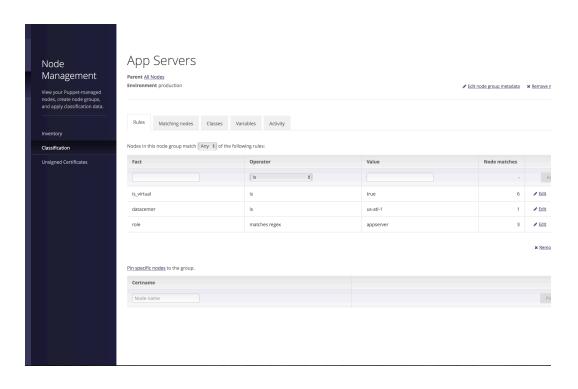
# From core infrastructure through applications



- Environment graph
- Pre-built modules



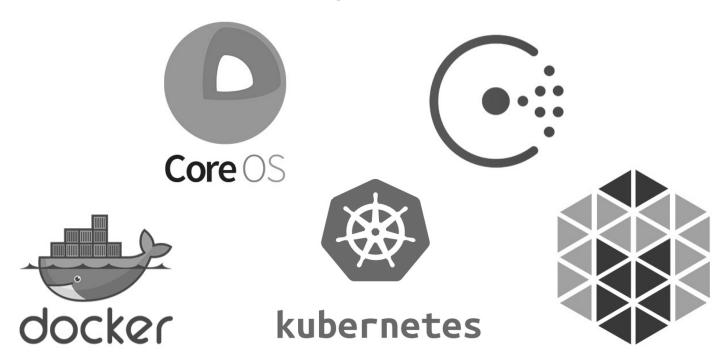
# **Across the lifecycle**



- Automated provisioning
- Streamlined node classification workflows

# Across all devices, through the stack

Your bridge to the future





# Now what?

It's our resources and community that makes

Puppet great



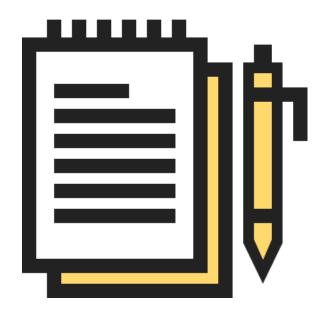
# **Training**



learn.puppet.com



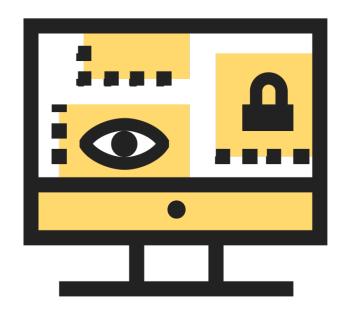
### **Check out the docs**



docs.puppet.com



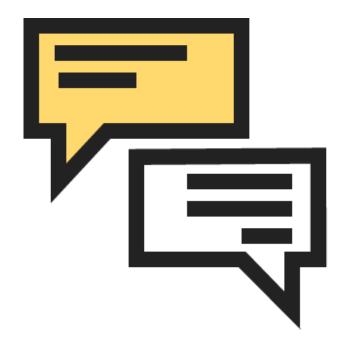
# **Make Puppet better**



puppet.com/ptp



### **Get involved**



puppet.com/community



# puppet

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