

Puppet Enterprise And Splunk Platform: Improve Your Application Delivery Velocity

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Personal Introduction

- Deepak Giridharagopal, CTO & Chief Architect, Puppet
 - Responsible for guiding Puppet technical development
 - Oversees development for major versions of core projects, including the Puppet language, Facter, Puppet DB, Puppet Server and major features
- Stela Udovicic, Sr. Product Marketing Manager, Splunk
 - Responsible for DevOps Solution Marketing, IT Markets
 - Over 15 years of experience with variety of IT technologies (analytics, DevOps, networking, storage, etc.)

Your company

is a _____ **company.**

Your company
is a software company.

Change
is necessary.

“Doing the DevOps”
solves all the problems.

DevOps:

Optimizing the entire software
delivery pipeline.

DevOps:

Operations partnering with everybody.

High-performing teams deploy more frequently and have much faster lead times.

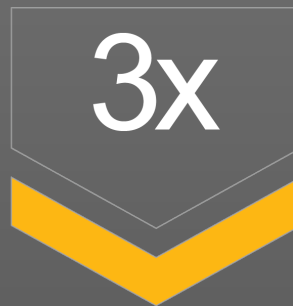


200x more frequent deployments



2,555x shorter lead times

They make changes with fewer failures, and recover faster from failures.



3x lower change failure rate



24x faster recovery from failures

Source: 2016 State of DevOps Report

Where do you **start**?

Fast Feedback

Collaboration

Iteration

Visibility

Infrastructure as Code

Monitoring

**Version
Control & Peer
Review**

**Configuration
Management**

**Continuous
Delivery**

**Automated
Testing &
Deployments**

Fast Feedback

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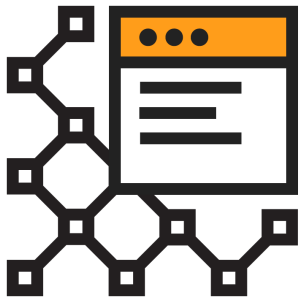
Configuration
Management

Continuous
Delivery

Automated
Testing &
Deployments

Automate For Speed, Reliability And Security

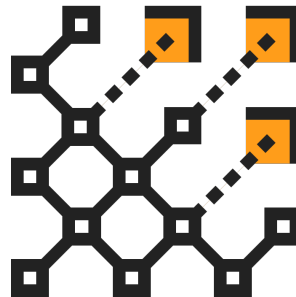
What's needed to deliver and operate modern software simply, at scale and securely



- Define with a common language



- Gain situational awareness



- Orchestrate change intelligently



- Ensure security & compliance

Across devices, through the stack

Trueventures

RADAR PARTNERS

SP Ventures

Leading platform. Datacenter standard.

Experience

Founded in 2005

Scale

More than 10 million nodes managed

Ecosystem

Deep partnerships with datacenter titans

Customers

1,000+ enterprise customers

Community

4,200+ community-contributed modules

Users

30,000+ organizations using Puppet

Backing

vmware KPCB CISCO true ventures RADAR PARTNERS Google ventures

Fast Feedback

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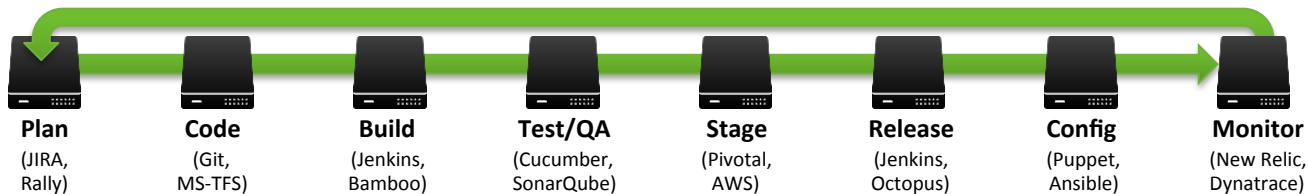
**Configuration
Management**

**Continuous
Delivery**

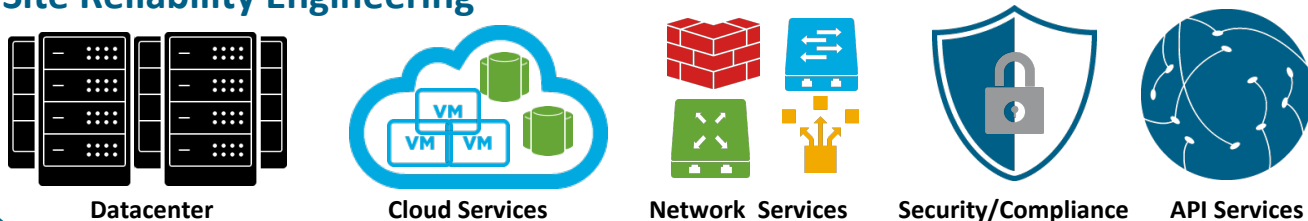
**Automated
Testing &
Deployments**

Monitoring Challenge: Complexity!

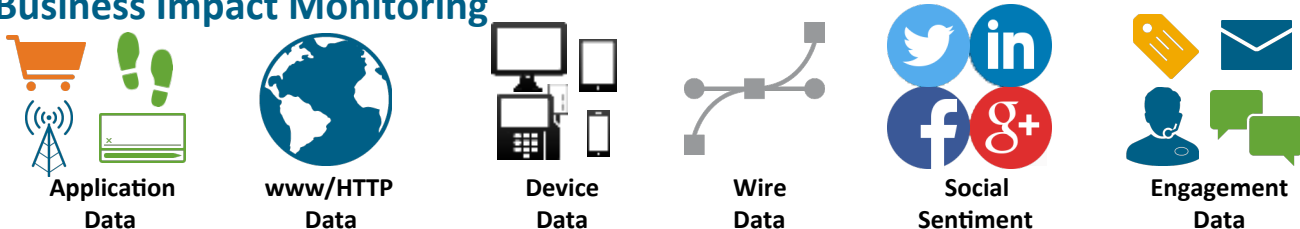
Continuous Integration (CI)/Continuous Delivery (CD)



Site Reliability Engineering

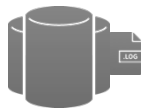


Business Impact Monitoring





Project & Issue Tracking



Code Repository CI/Build Servers



Automation Systems



Dev/Test/Staging Servers



Infrastructure



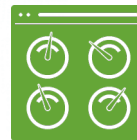
Explore



Analyze



Visualize

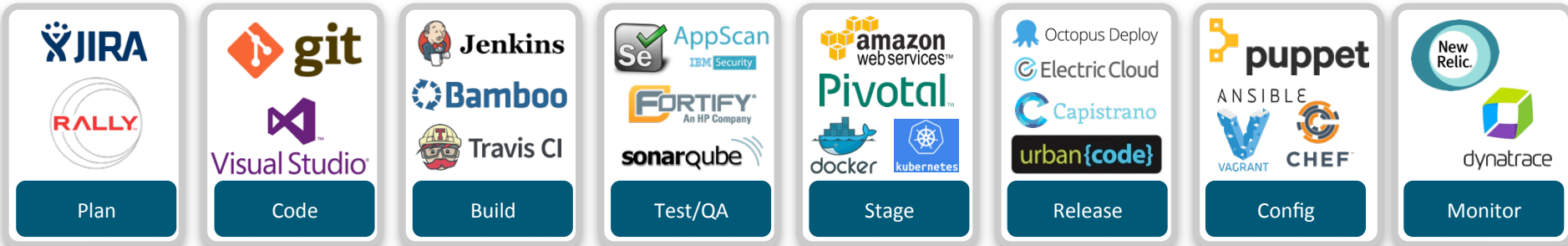


Customize



Share

Visibility Across The Dev Lifecycle



Confluence
servicenow
pagerduty

Escalation/
Collaboration



SDKs UI

API

splunk >



solarwinds
The Power to Manage IT

slack

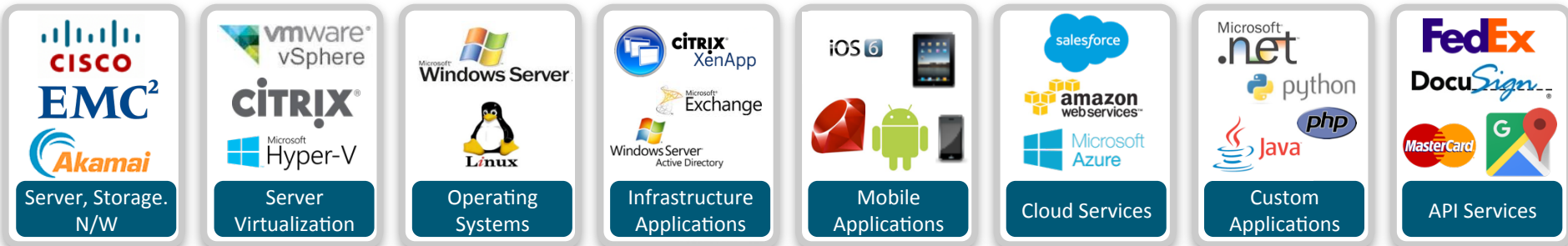
Nagios

Atlassian
HipChat

Other Tools

No rigid schemas – add in data from any other source.

Visibility Across The Ops Environment



bmc Remedy
servicenow
ZOHO

Ticketing/Help Desk



SDKs

UI

API

splunk >



Nagios
APPDYNAMICS
hp SiteScope
ExtraHop

Other Tools

No rigid schemas – add in data from any other source.

Improve The Impact Of Application Delivery

INCREASE APP
DELIVERY
VELOCITY

IMPROVE CODE
QUALITY

INCREASE
BUSINESS IMPACT

splunk®

Accelerate App Releases In The Cloud

“Splunk Cloud enabled us to gain immediate operational visibility whenever we deploy code. Without Splunk Cloud, we wouldn’t have been able to move to continuous delivery”

-Gary Stokes,
Director of Engineering

Key Customer Benefits

- Moved from monthly deploys to **900 times/day**
- Gained back 12 developers who were previously focused on implementing releases and keeping website running
- Iterated faster with continuous feedback
 - Workflow automation as JIRA tickets automatically created





Accelerated App Velocity Examples

NBCUniversal

“Web Ops can measure performance of releases in pre-prod, prod and in QA.”

“We measure customer sentiment on Google Play in real time and can correlate it with code releases and app performance.”



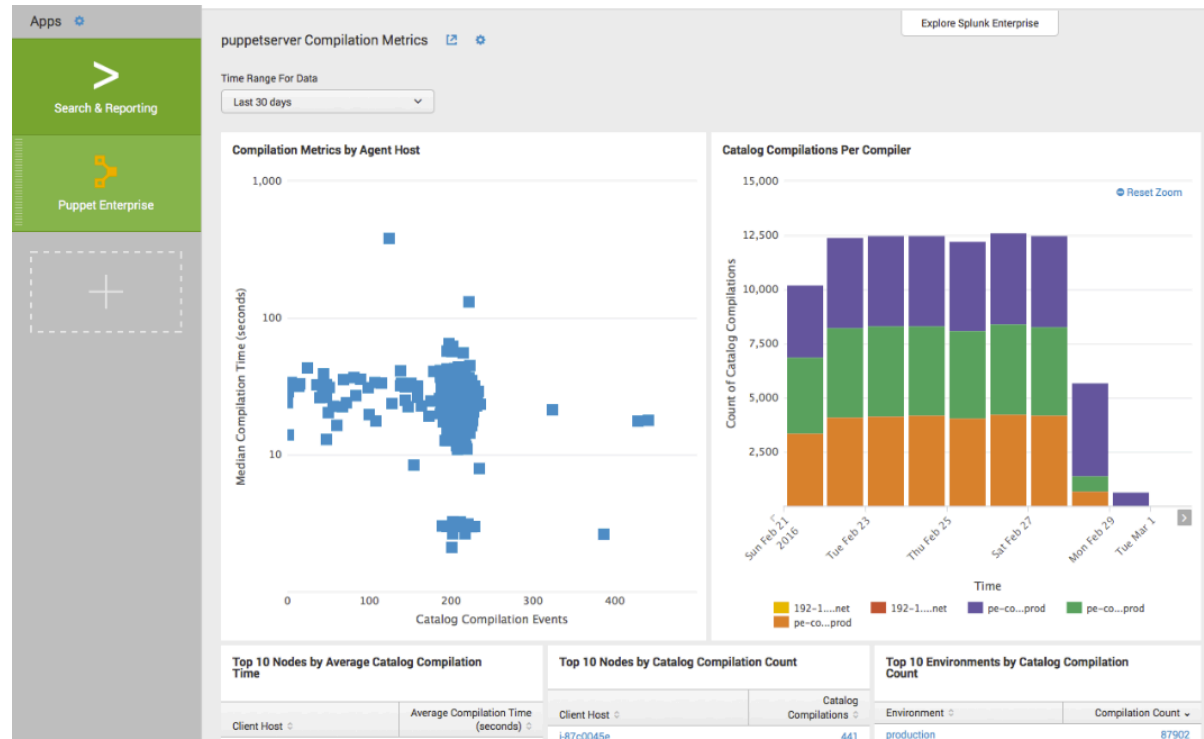
“Gather all data, and it starts looking like one big system, instead of a bazillion teeny ones that hate each other.”

“Developers can focus on innovation and not on building monitoring tools.”



Gain Situational Awareness With Puppet Enterprise App For Splunk

- Real-time change visibility
- Unique dependency visualizations
- Continual drift monitoring and reporting
- Audit and compliance reporting
- Built-in, custom and Splunk visualizations




Improve Your Application Velocity

BECOME A HIGH PERFORMER

IMPROVE CODE QUALITY

IMPROVE BUSINESS IMPACT

splunk  **puppet**

THANK YOU

.conf2016