

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.

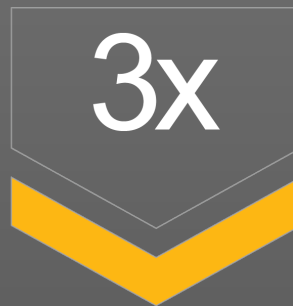


200x more frequent deployments



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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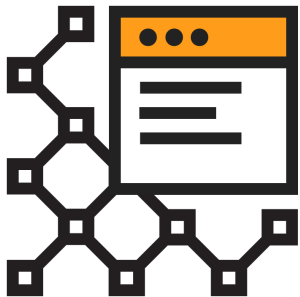
**Configuration
Management**

**Continuous
Delivery**

**Automated
Testing &
Deployments**

Automate For Speed, Reliability And Security

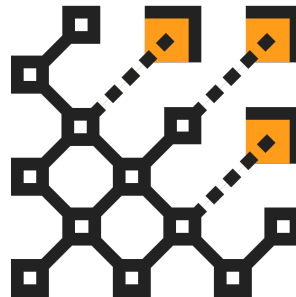
What's needed to deliver and operate modern software simply, at scale and securely



- Define with a common language



- Gain situational awareness



- Orchestrate change intelligently



- Ensure security & compliance

Across devices, through the stack

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

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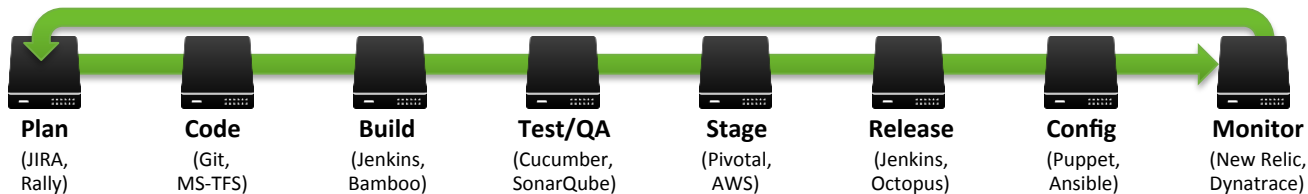
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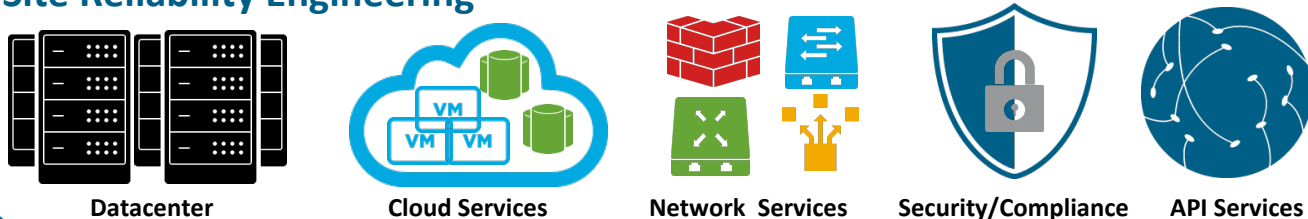
**Automated
Testing &
Deployments**

Monitoring Challenge: Complexity!

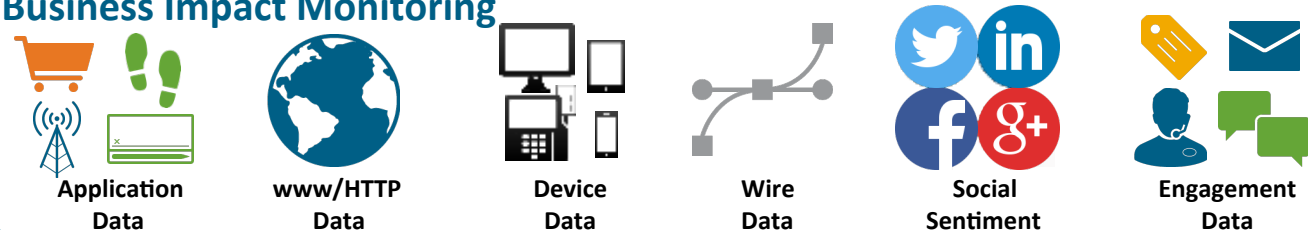
Continuous Integration (CI)/Continuous Delivery (CD)



Site Reliability Engineering

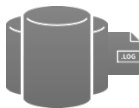


Business Impact Monitoring





**Project & Issue
Tracking**



Code Repository CI/Build Servers



**Automation
Systems**



**Dev/Test/
Staging Servers**



**Application
Monitoring**



Cloud



Infrastructure



Explore



Analyze



Visualize

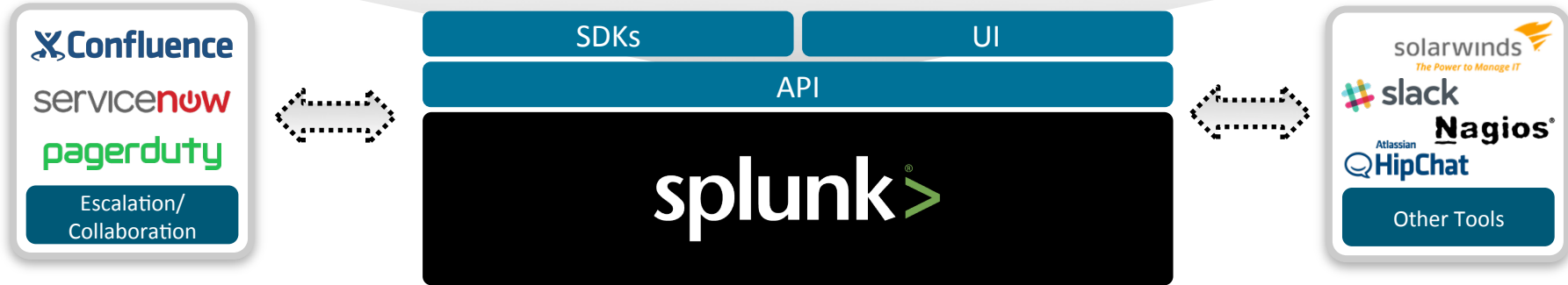
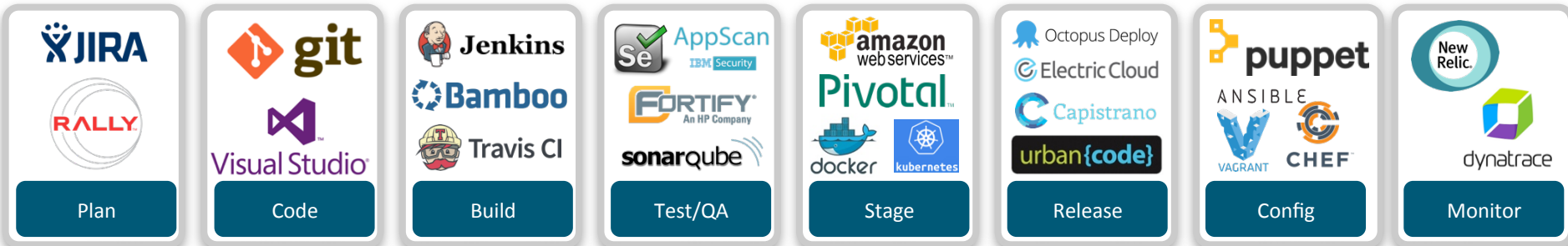


Customize



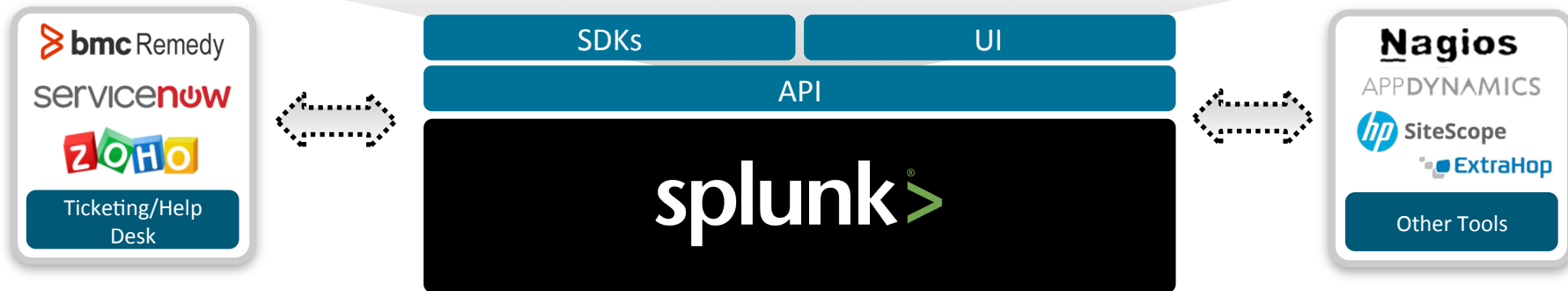
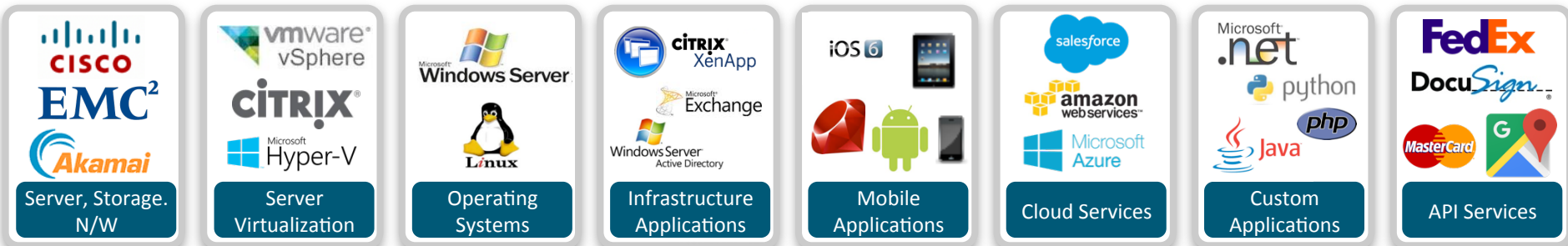
Share

Visibility Across The Dev Lifecycle



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

Visibility Across The Ops Environment



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**

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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.”



redhat.

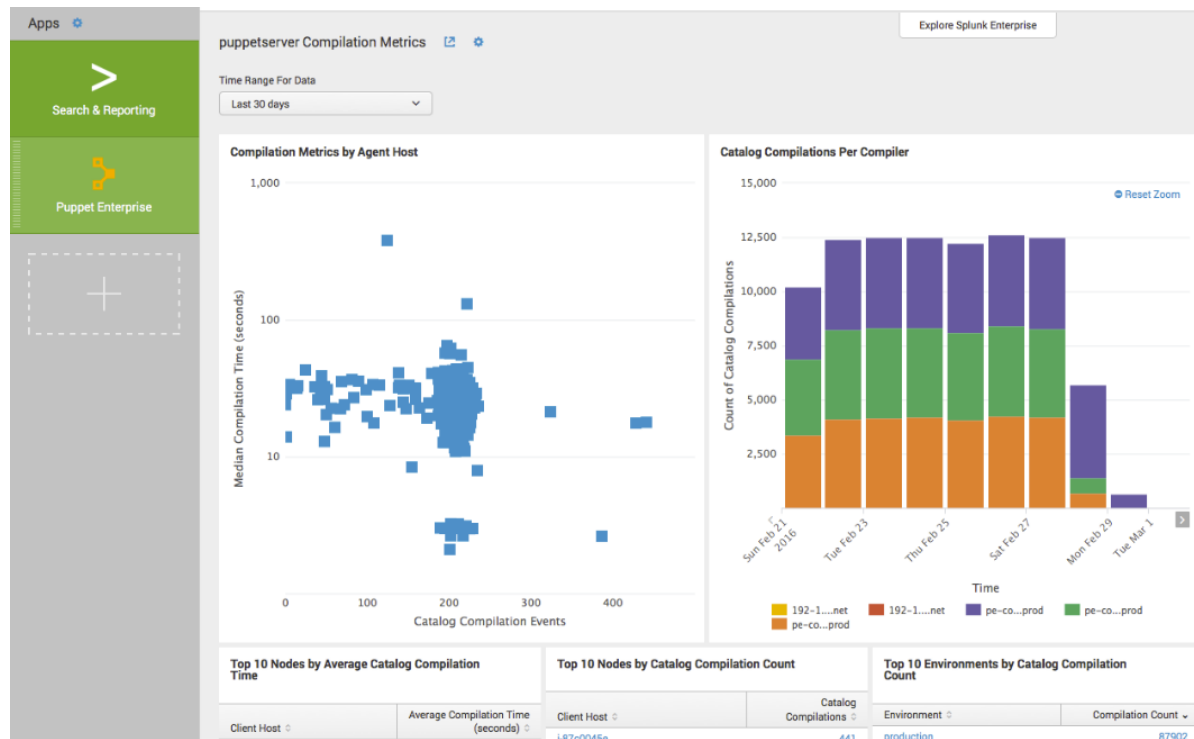
“Gather all data, and it starts looking like one big system, instead of a bazillion teeny ones that hate each other.”

“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**

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THANK YOU

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