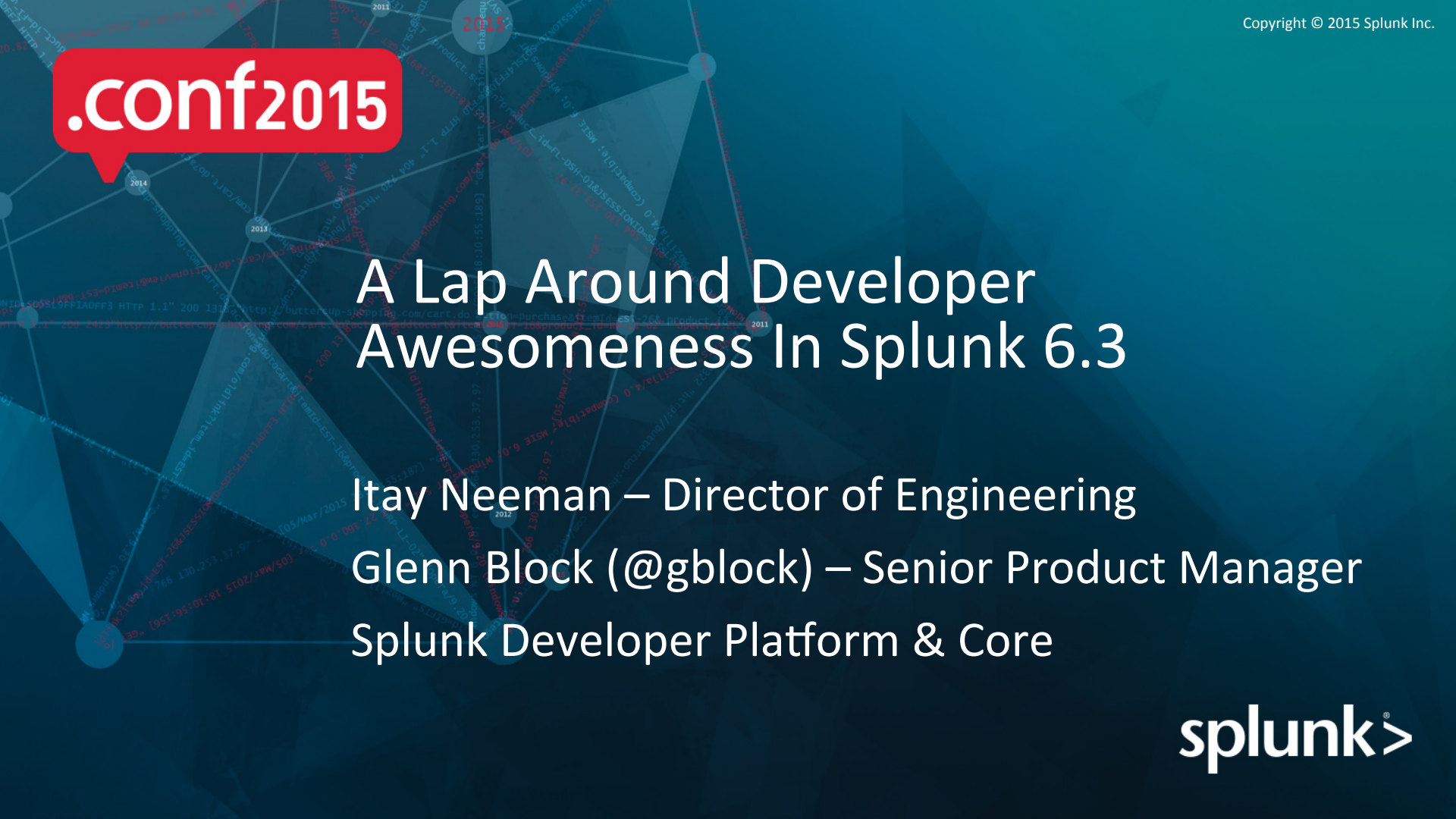

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A Lap Around Developer Awesomeness In Splunk 6.3

Itay Neeman – Director of Engineering

Glenn Block (@gblock) – Senior Product Manager

Splunk Developer Platform & Core

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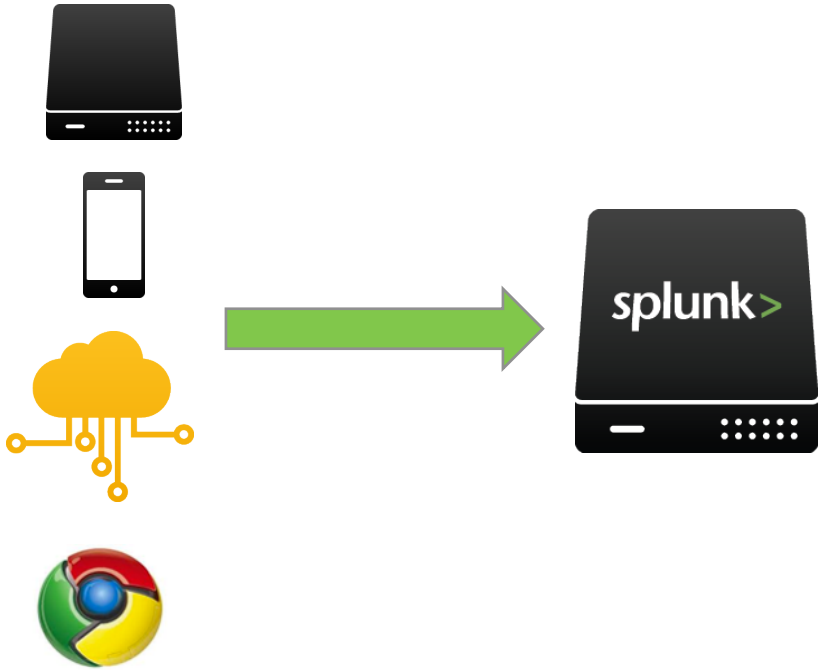
Splunk 6.3 is *filled* with Developer Awesomeness!

HTTP Event Collector

- A new token-based JSON API for events
- Send events ***directly*** from anywhere (servers, mobile devices, IOT)
- Easy to configure / works out of the box.
- Easy to secure
- Highly performant, scalable and available

Sessions to Learn more:

- Liberate your Application Logging!
- Accelerating your Solution Development with Splunk Reference Apps
- Throw Your Future Self a Lifeline with a Little DevOps Data



Demo

HTTP Event Collector

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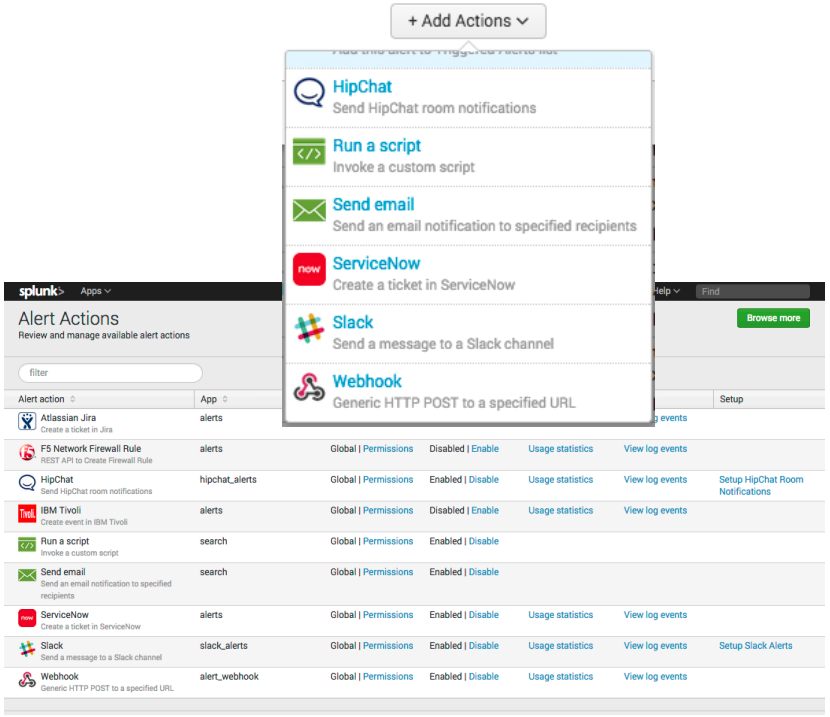
Custom Alert Actions

- Build reusable alert hooks into Splunk
- Integrated into the Splunk UI
- Packaged in Splunk apps
- Similar to authoring Modular Inputs
- Very developer friendly:
  - Simple code interface
  - Easily hook into UI
  - Easy way to test your alert from a search



Sessions to Learn more:

- Creating and Using Custom Alert Actions
- Accelerating your Solution Development with Splunk Reference Apps

Demo

Custom Alert Actions

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Custom Search Commands

- Create new commands that can run in your search:
  - For example, “index=myindex | my_awesome_command some_field | stats count
- New in 6.3 - significantly improved protocol, drastically improved performance
  - Single process per search-invocation
  - Reduced serialization/deserialization
  - Increased flexibility and reliability
- New Python SDK release supports both v1 (6.2 and below) and v2 (6.3+) of the protocol

Demo

Custom Search Commands

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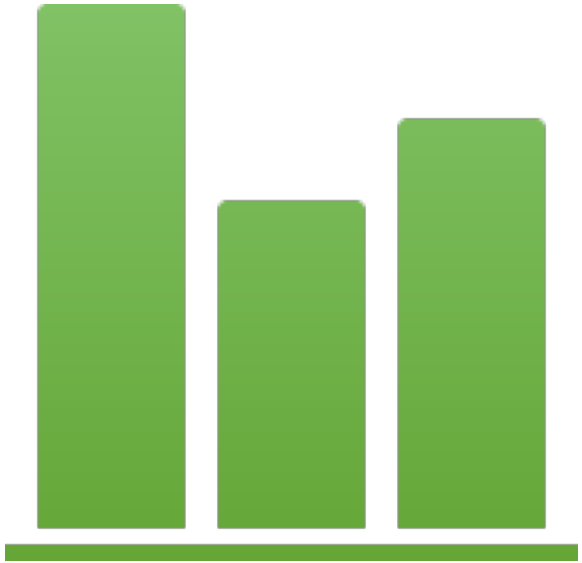
SimpleXml Enhancements

- Eval Tokens
  - Set tokens to an eval expression
- Search events
  - Tap into various stages of the search pipeline and update tokens based on job properties .



Sessions to Learn more:

- Advanced Interactions using Simple XML

Demo

SimpleXml Enhancements

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Modular Inputs in Node.js

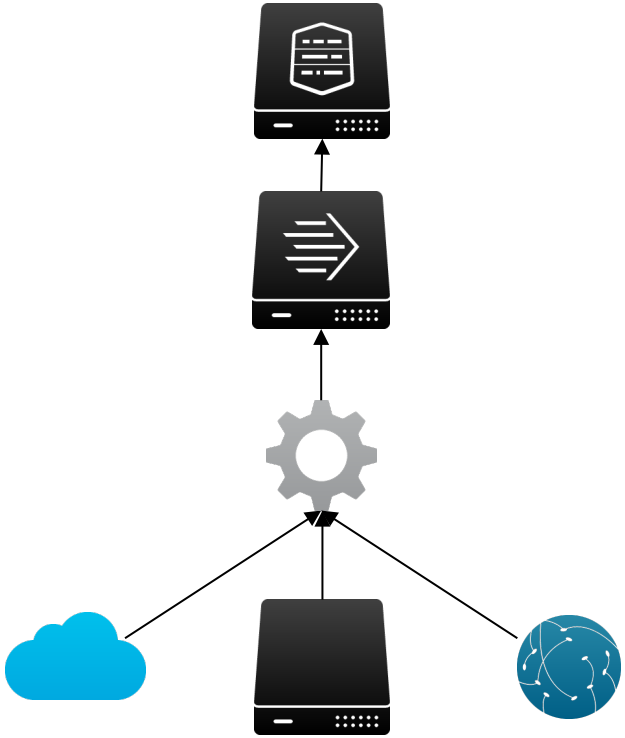
- Used to create new new types of reusable inputs in Splunk
- The Splunk SDK for Node.js has built-in support for writing Modular inputs:

Benefits:

- Easy to write
- No boilerplate
- Use NPM packages
- Cross-platform

Sessions to Learn more:

- Throw Your Future Self a Lifeline with a Little DevOps Data
- Modular Inputs - If You Build It, They Will Come



Demo:

Node.js Mod Inputs

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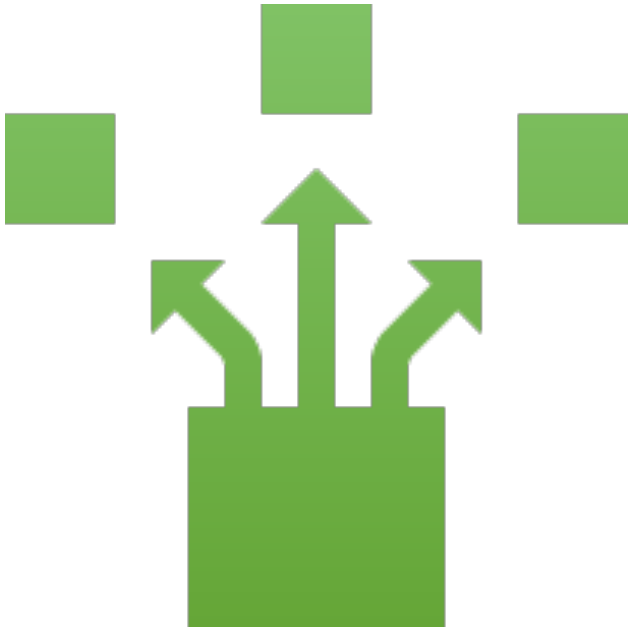
REST API/SDK Support for SHC

- Search Head Clustering allows you to have a scalable, redundant search tier with config synchronization
- SHC supports cookie-based authentication for cross-cluster authentication support
- Several SDKs now support SHC:
  - JavaScript SDK
  - C# SDK
  - Java SDK
  - Python SDK



SDK + SHC Demo!

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Next steps?

Related breakout sessions and activities…

Breakouts

- Creating and Using Custom Alert Actions
- The HTTP Event Collector, a New Way for Developers to Send Events to Splunk
- Accelerating Your Solution Development with Splunk Reference Apps
- Advanced Interactions using Simple XML

More information

- dev.splunk.com
- blogs.splunk.com/dev

Come by the Developer Booth and say hi / ask questions!

THANK YOU

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