

How to Extend Splunk with an AI Assistant for Pattern Recognition

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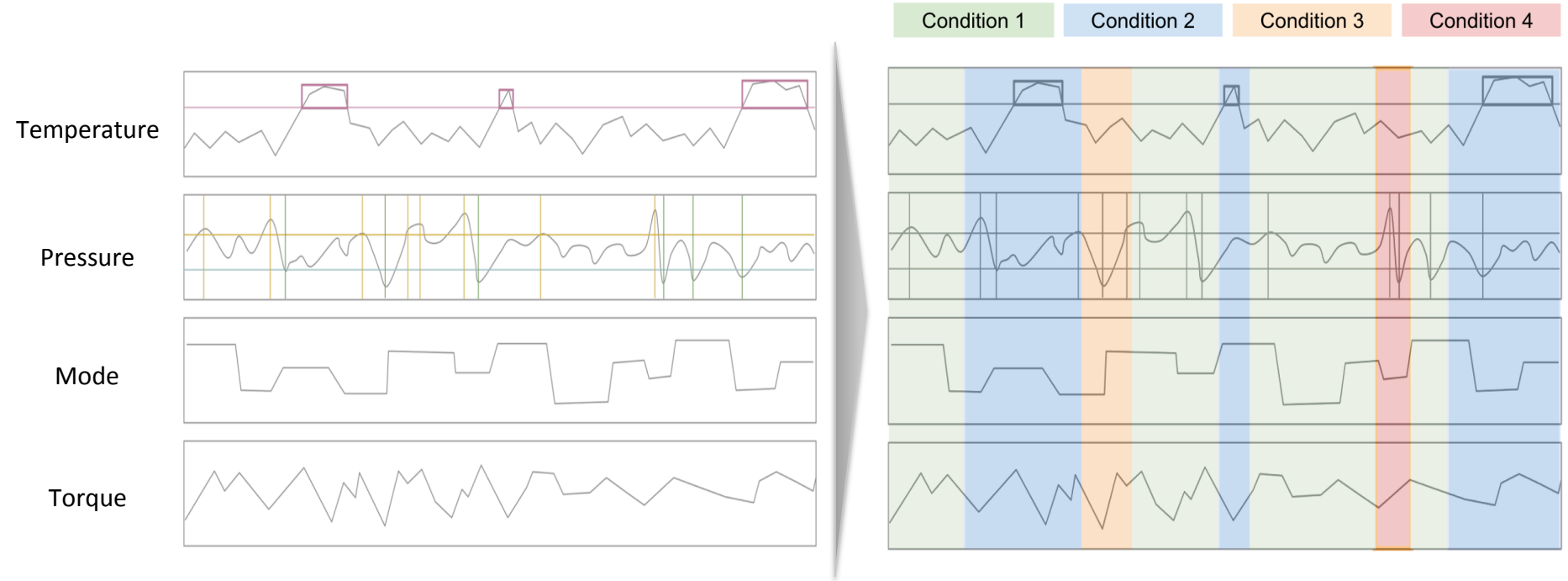
Agenda

- Why are time series data patterns interesting?
- Can pattern recognition be easy?
- What does Splunk + pattern recognition look like?

Time Series Data Patterns

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From Data to Conditions



Fleets



Time Series Data

- x,y,z acceleration
- turn angle
- accelerator
- braking
- driver heart rate

Fleets



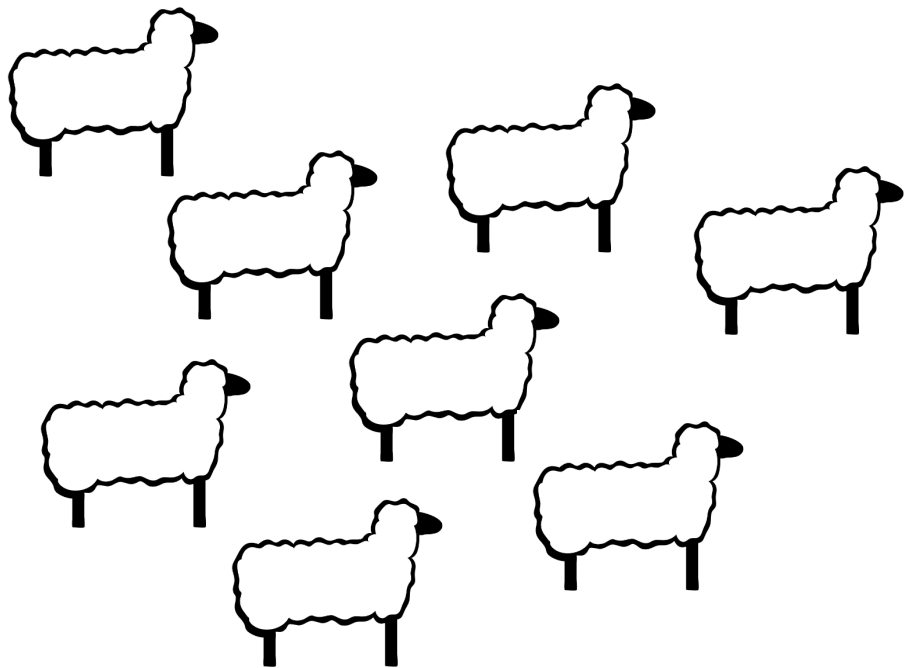
Time Series Data

- x,y,z acceleration
- turn angle
- accelerator
- braking
- driver heart rate

Conditions

- Impaired driver
- Tire problem
- Engine problem

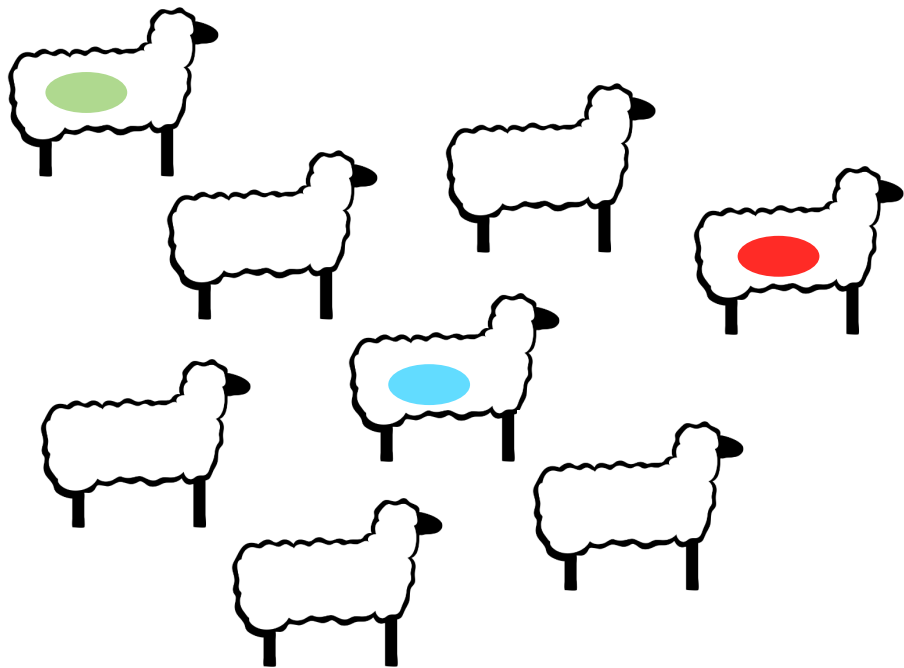
Livestock



Time Series Data

- x,y,z location
- body temperature
- heart rate

Livestock



Time Series Data

- x,y,z location
- body temperature
- heart rate

Conditions

- illness
- fertility window
- pregnancy

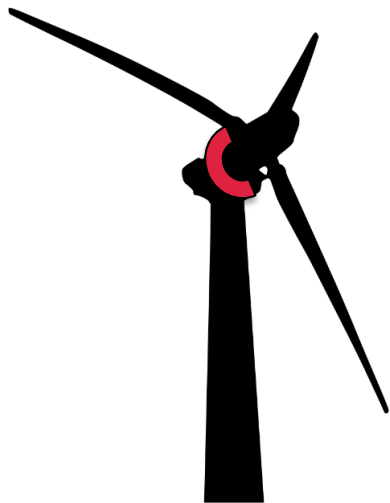
Machine



Time Series Data

- x,y,z acceleration
- rpm
- power
- wind velocity

Machine



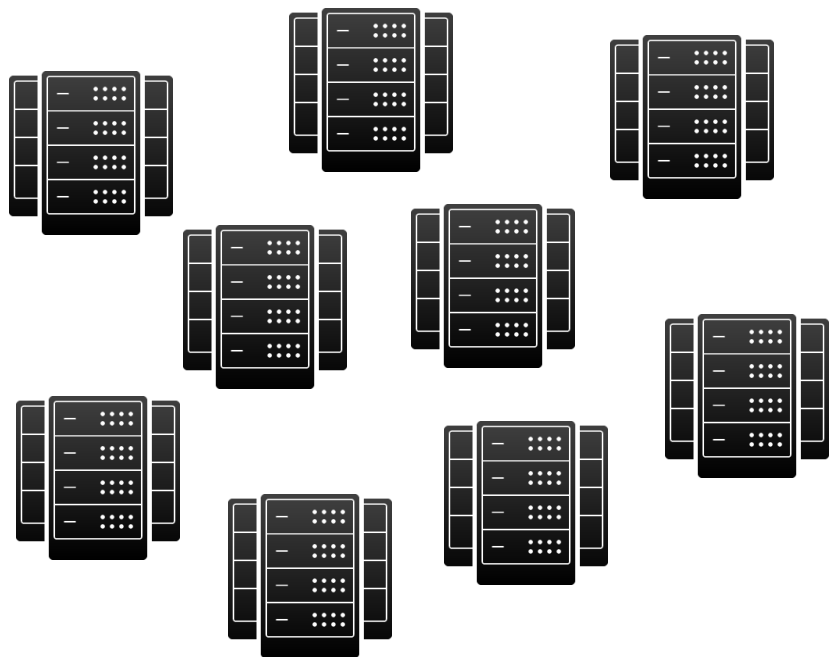
Time Series Data

- x,y,z acceleration
- rpm
- power
- wind velocity

Conditions

- Bearing problem
- Structural problem

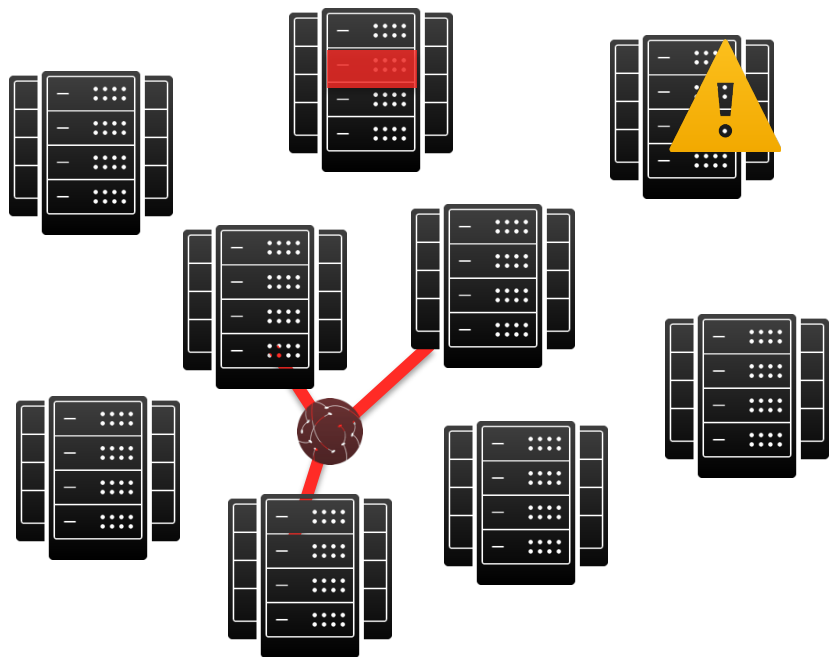
Data Centers



Time Series Data

- I/O stats
- temperature
- acoustic data
- activity metrics

Data Centers



Time Series Data

- I/O stats
- temperature
- acoustic data
- activity metrics

Conditions

- Hardware problem
- Network problem
- Upgrade problem

Users



Time Series Data

- logons
- http requests
- building entries
- attachment events

Users



Time Series Data

- logons
- http requests
- building entries
- attachment events

Conditions

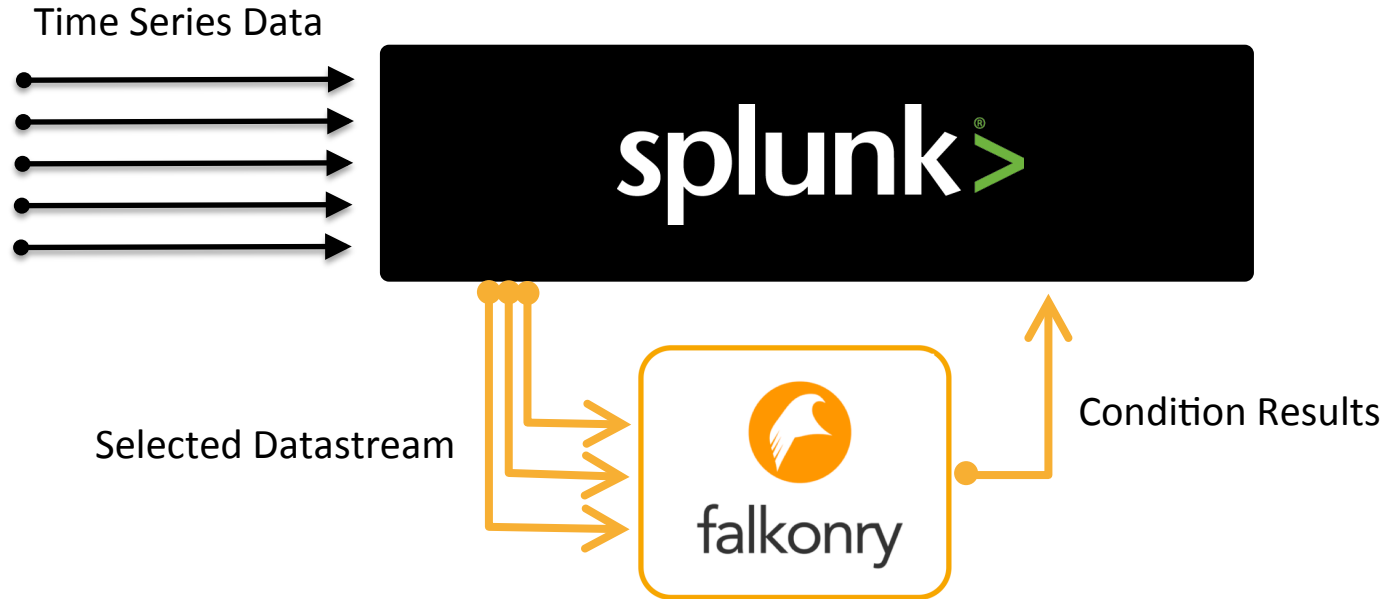
- Threat risk

An AI Assistant for Condition Recognition



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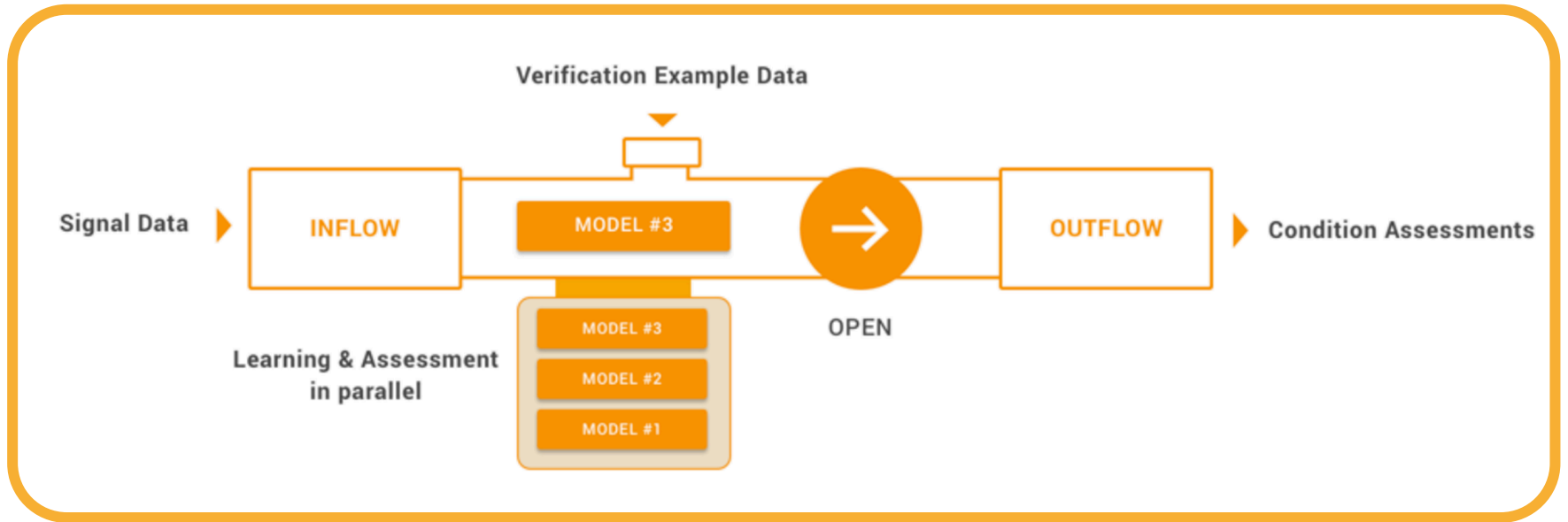
Falconry & Splunk



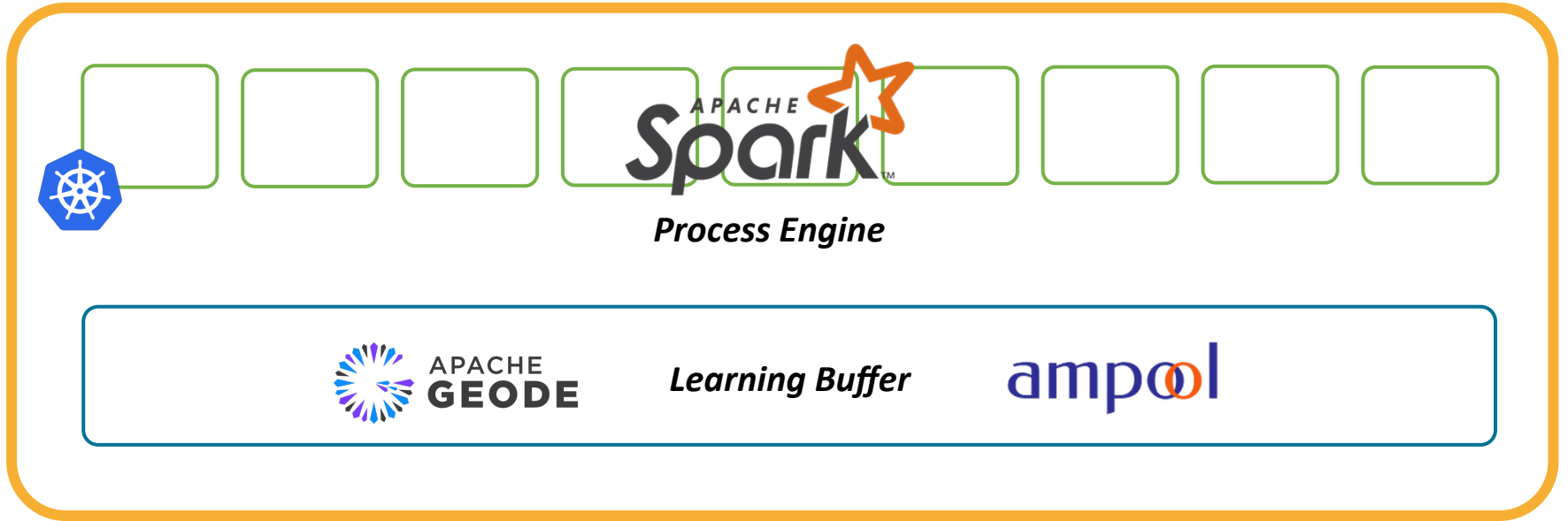
Inside the Assistant



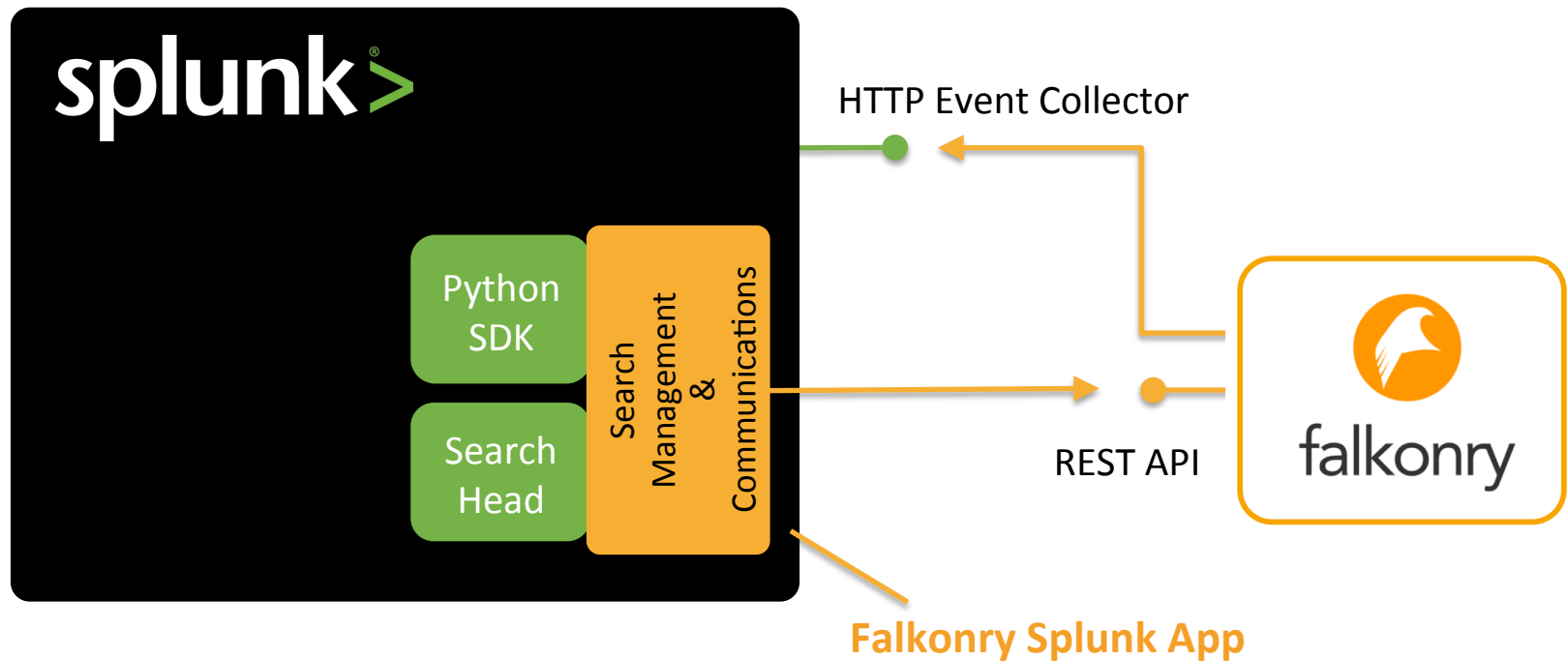
Inside the Assistant



Inside the Assistant



Splunk-Falconry Connection



Deployment Options



Virtual Appliance



Customer Cloud

A Falkonry-enhanced Splunk Application Demonstration

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Summary

- Time series pattern recognition is an enormous need
- Adding pattern recognition to Splunk is easy
- Splunk+Falconry is a great platform for condition-aware applications

THANK YOU



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