

INSTANA

High-level Tech Overview







INSTANA

Automatic Application and Infrastructure Monitoring








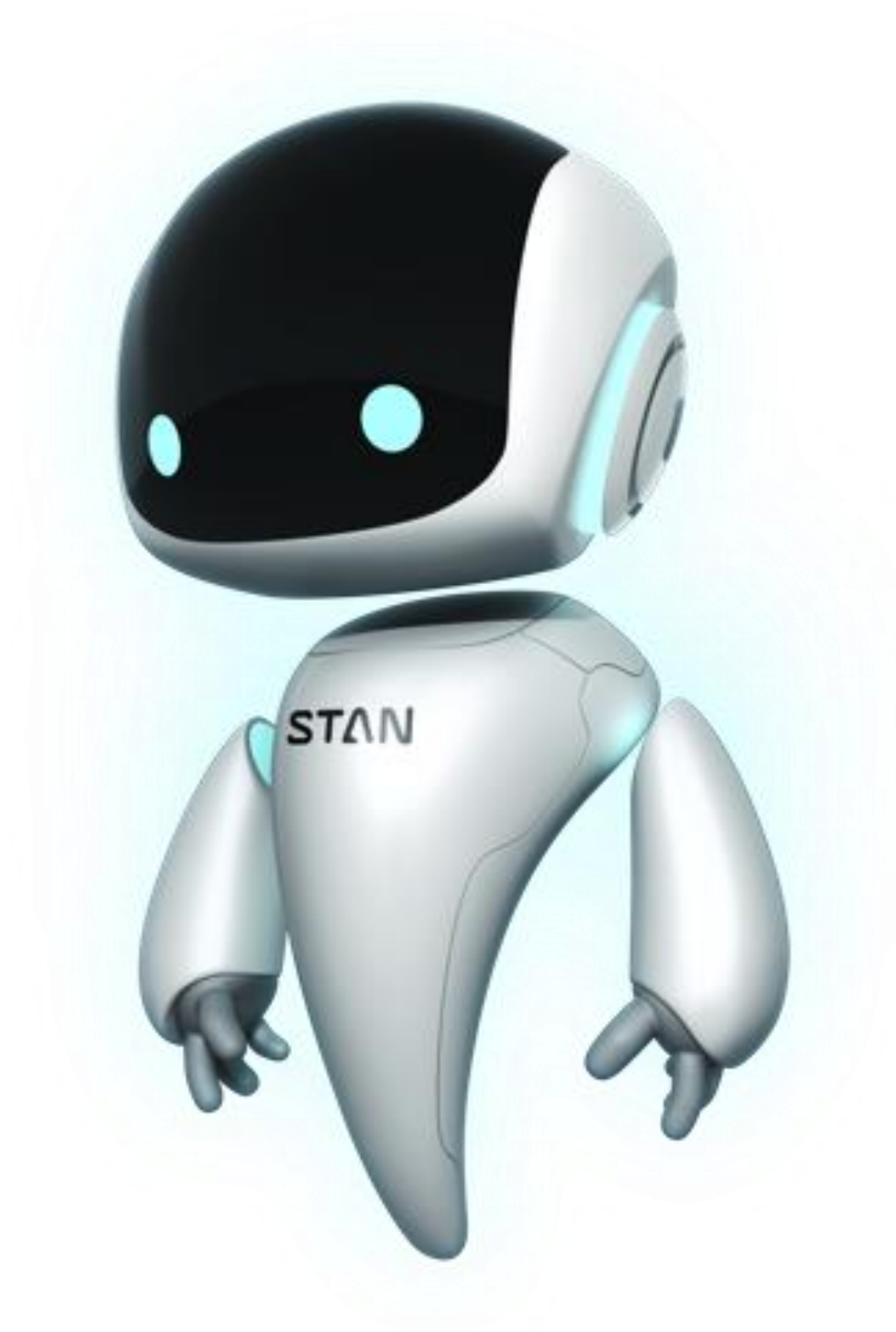
Founded by APM experts

-  Mirko Novakovic - CEO
-  Pete Abrams - COO
-  Pavlo Baron - CTO
-  Fabian Lange – VP Eng



Global Operations

-  HQ – Silicon Valley, CA
-  Dev & Support Center - Germany
-  Sales – USA, Germany, UK, France, Japan



2015

Founded

200+

Customers

20

Countries

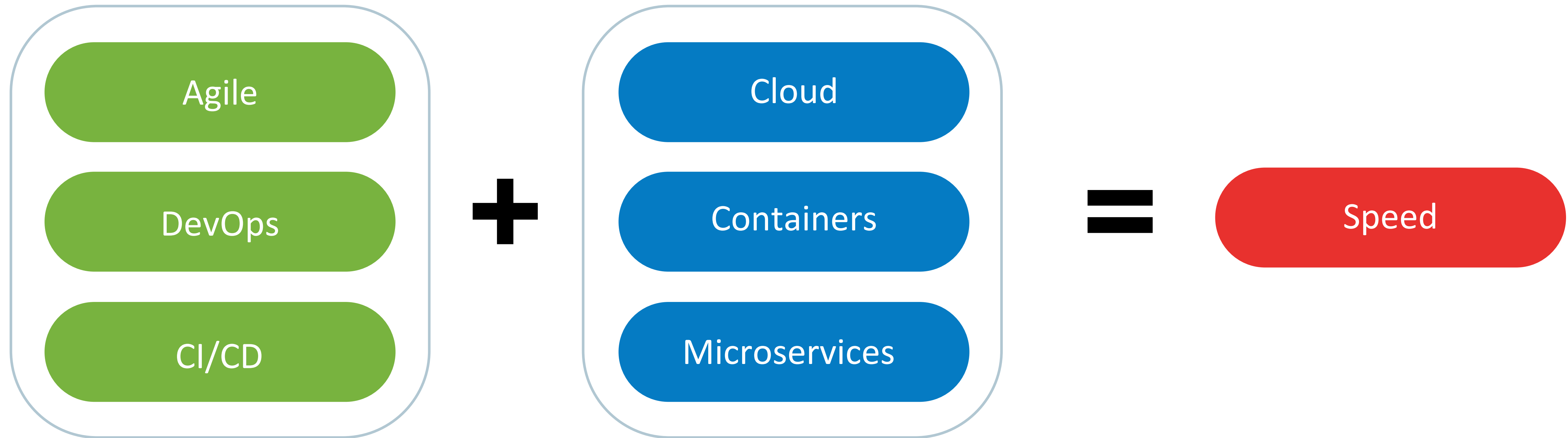
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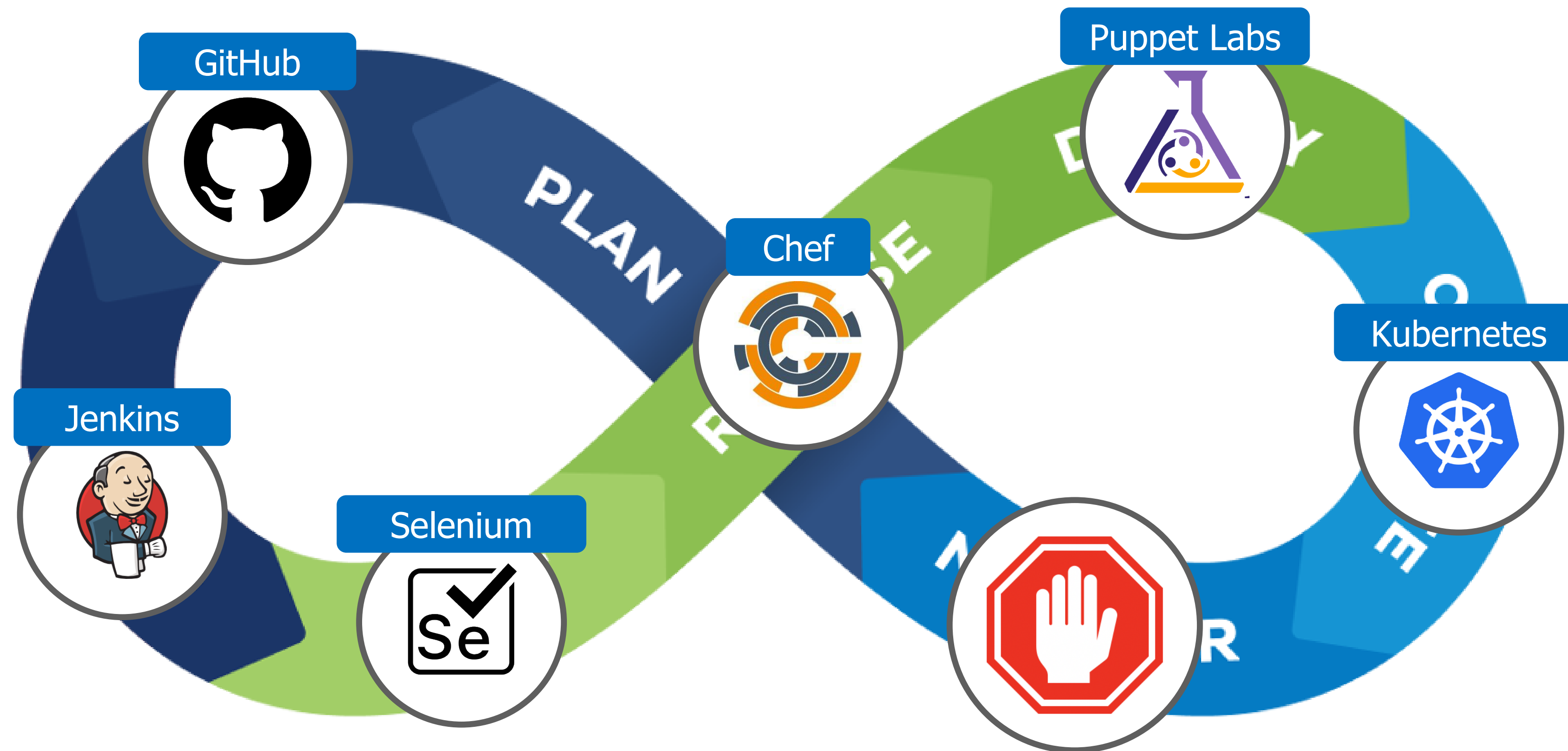
Smart Robot



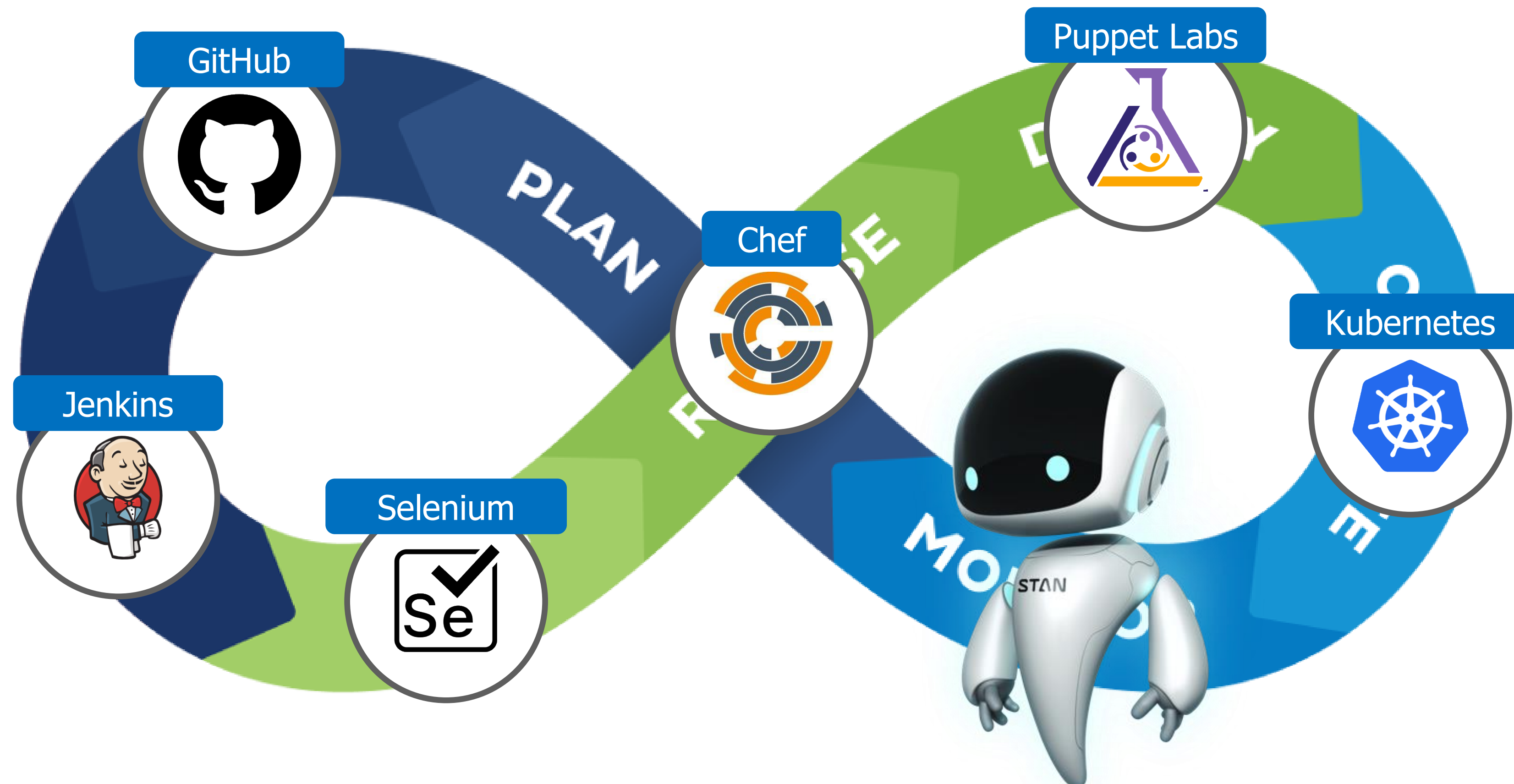
Instana customers have a common theme:

They all are developing custom software *as fast as possible!*





- CI/CD *automates* your software delivery process
- Manual steps slow you down!



Why not automate monitoring?

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Automated APM for Modern Application Architectures



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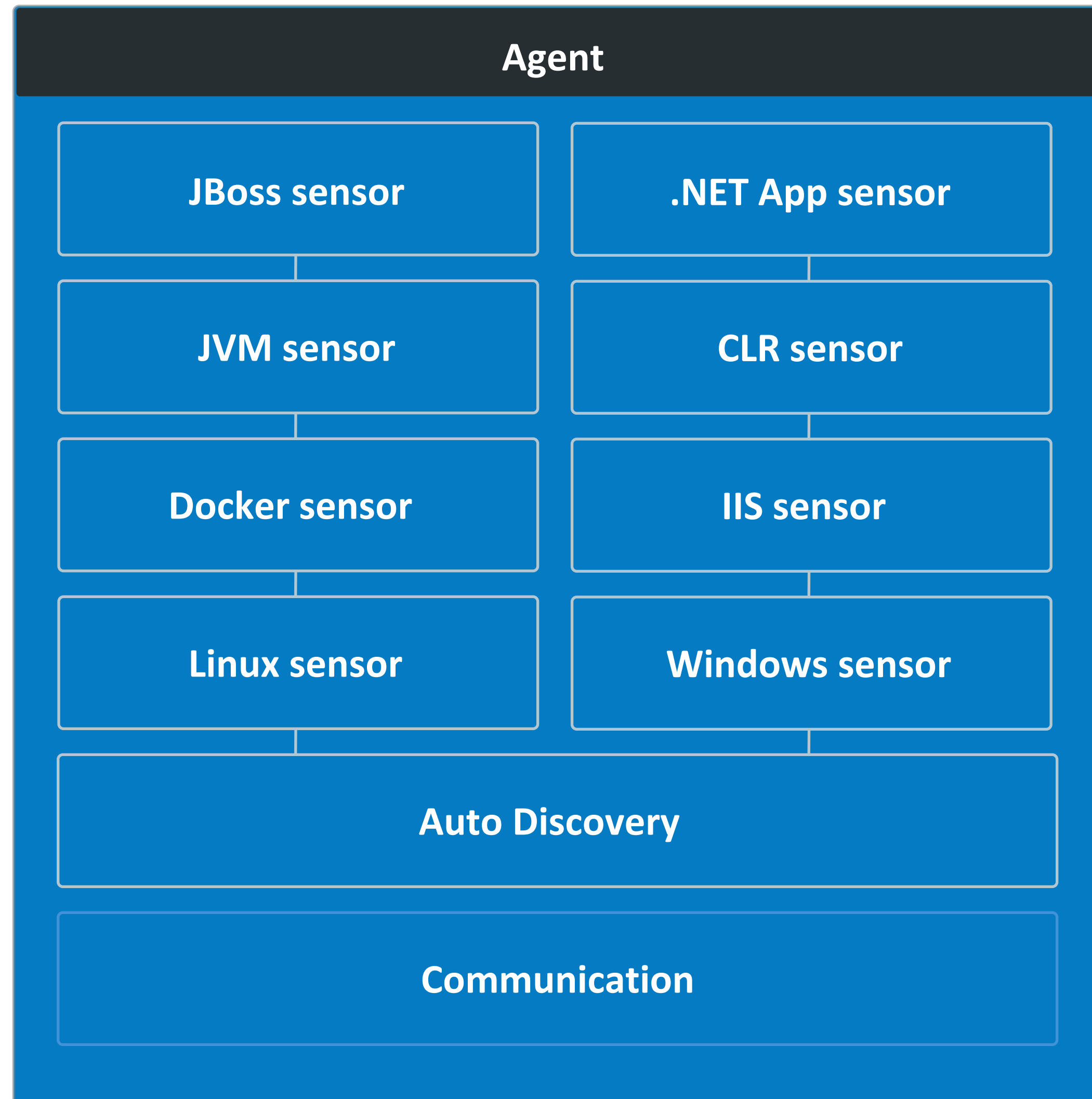
Agent & Backend Overview



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Discuss Agent Installs & Infrastructure Monitoring





Supports traditional host, VM or PCF based architectures as well as containerized, orchestrated (K8s) public cloud architectures

Single agent per Host/Node (*not* per container)

Runs as an OS process, Docker container or DaemonSet/Helm

Automatic discovery of full application stack

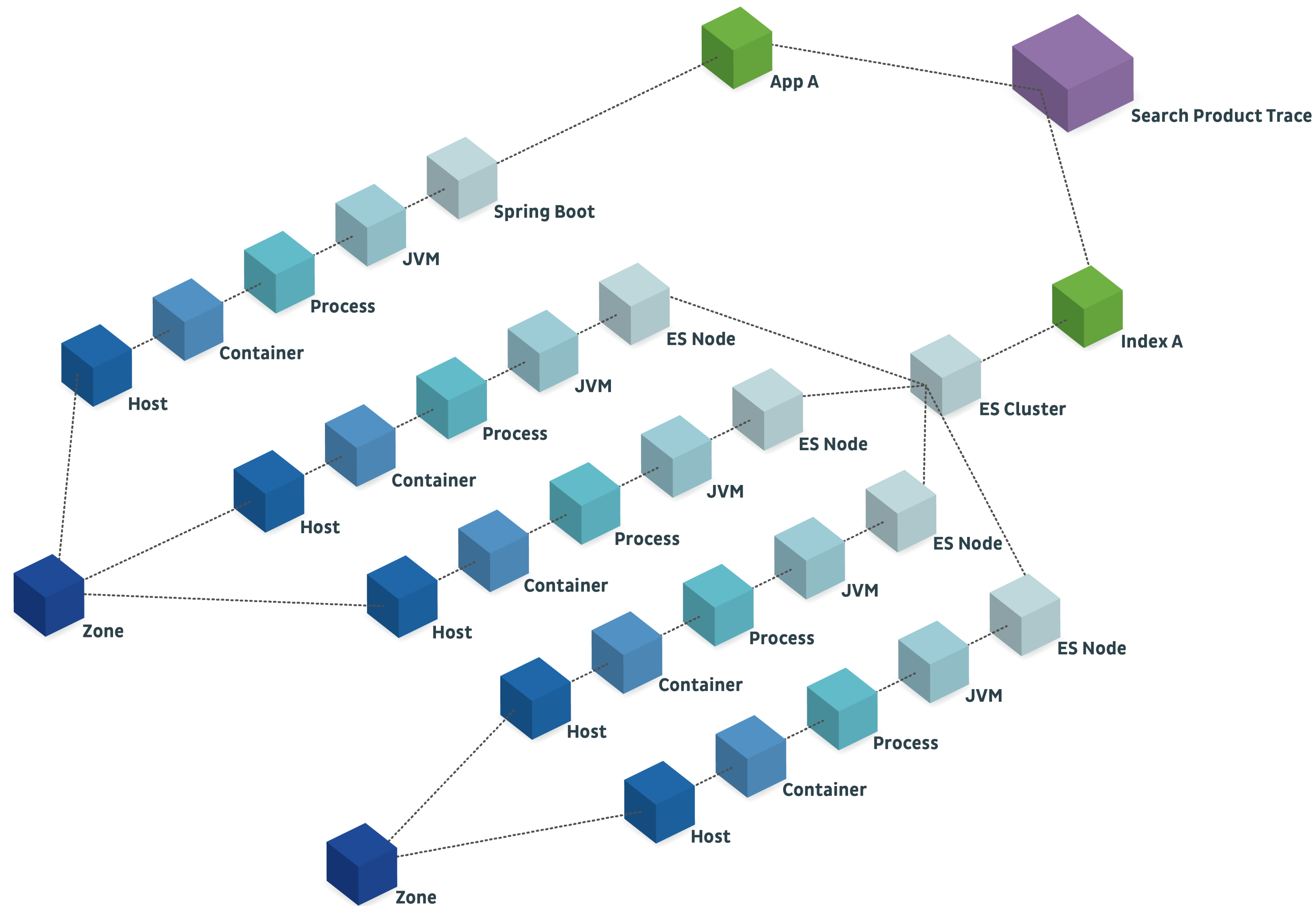
Infrastructure & application services:

100+ different sensors covering runtime languages and commonly used application middleware components

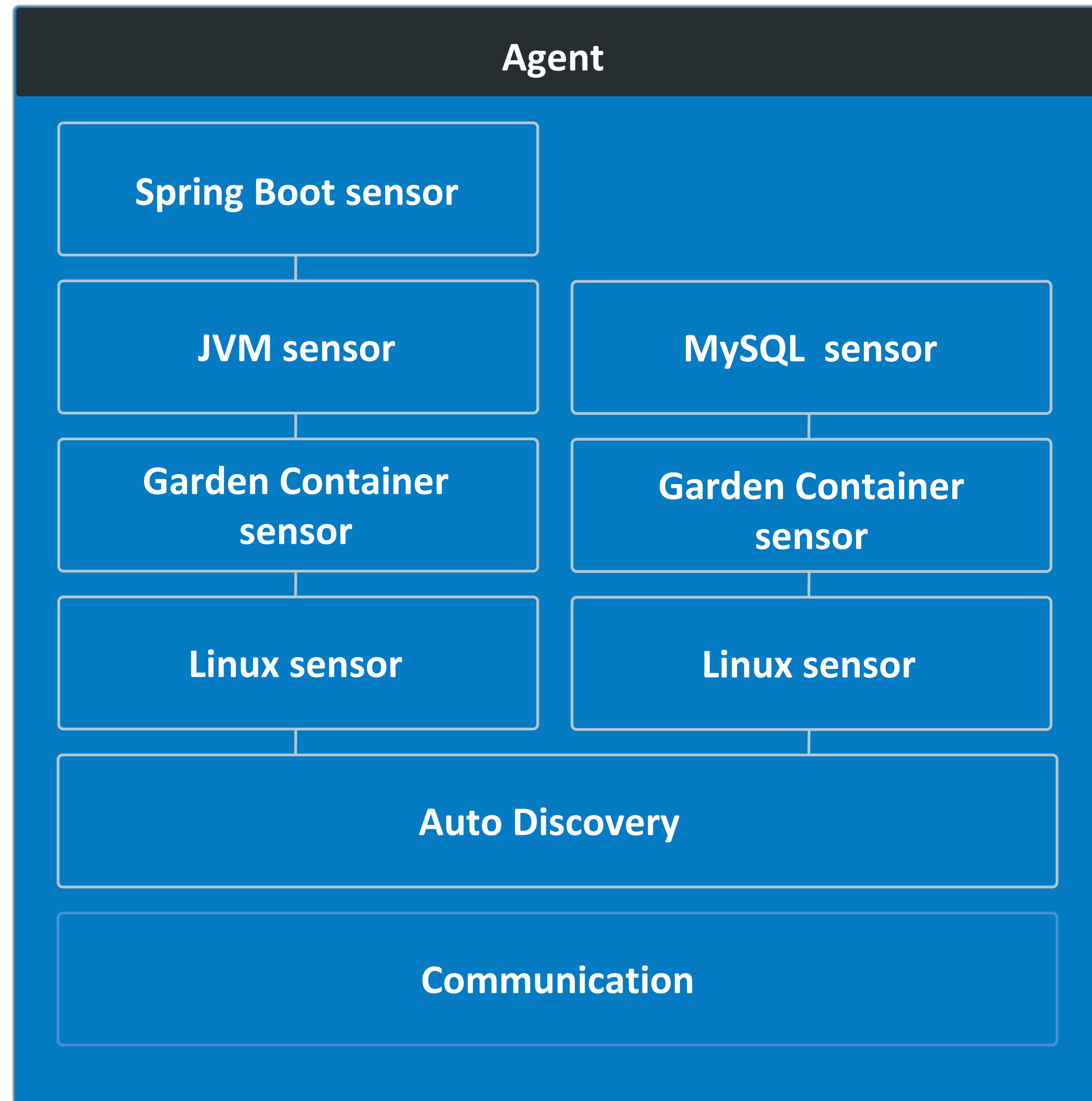
1 second metric granularity

Distributed tracing for every application call (*no* sampling)

Instana Backend (SaaS or On-Prem)



Instana's internal model that continuously correlates dependencies for easier root cause analysis



Supports [OpsMan and PAS](#)

Installation: [Tile](#) or [BOSH](#)

Deploys one agent per Diego cell (*not* per container)

Automatic, full stack application discovery

Foundation, CF apps, Diego cells, Garden containers

Java, node.js, Python, + services

MySQL, RabbitMQ, Redis, +

1 second metric granularity

Distributed tracing for every application call (*no* sampling)

Instana Backend

PCF Ops Manager

INSTALLATION DASHBOARD

STEMCELL LIBRARY

CHANGE LOG

pivotalcf

Successfully added product

IMPORT A PRODUCT

Installation Dashboard

BOSH Director for GCP

v2.5.4-build.189

Small Footprint PAS

v2.5.4

Pivotal Application Service for Windows

v2.5.2

RabbitMQ

v1.16.3

Instana Microservices Application Monitoring for PCF

v1.157.0

REVERT

REVIEW PENDING CHANGES

Download PCF-compatible products at [Pivotal Network](#)

DELETE ALL UNUSED PRODUCTS

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[API Documentation](#)

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PCF Ops Manager

INSTALLATION DASHBOARD

STEMCELL LIBRARY

CHANGE LOG

pivotalcf

✓ Successfully updated settings

Instana Microservices Application Monitoring for PCF

Settings

Status

Credentials

Logs

✓ Agent configuration

✓ Backend connection

Configuration properties for the Instana agent.

Agent zone

pcf-prod

Zone that groups the agents in Instana, e.g., "prod-pcf" or "dev". Leave blank to not specify a zone.

Agent configuration.yaml

Update mode*

Static

Dynamic

Update frequency*

Daily

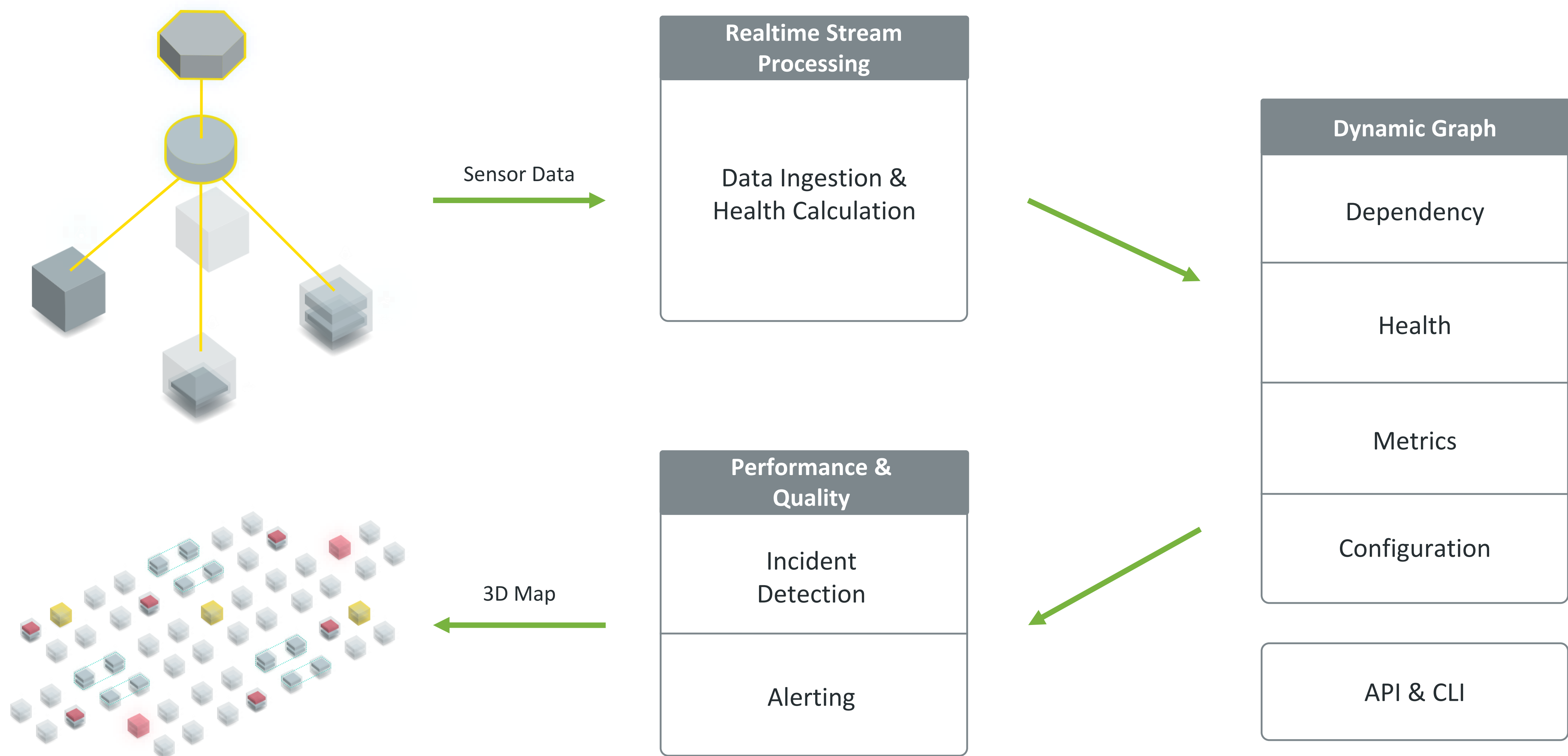
Update time *

02:00

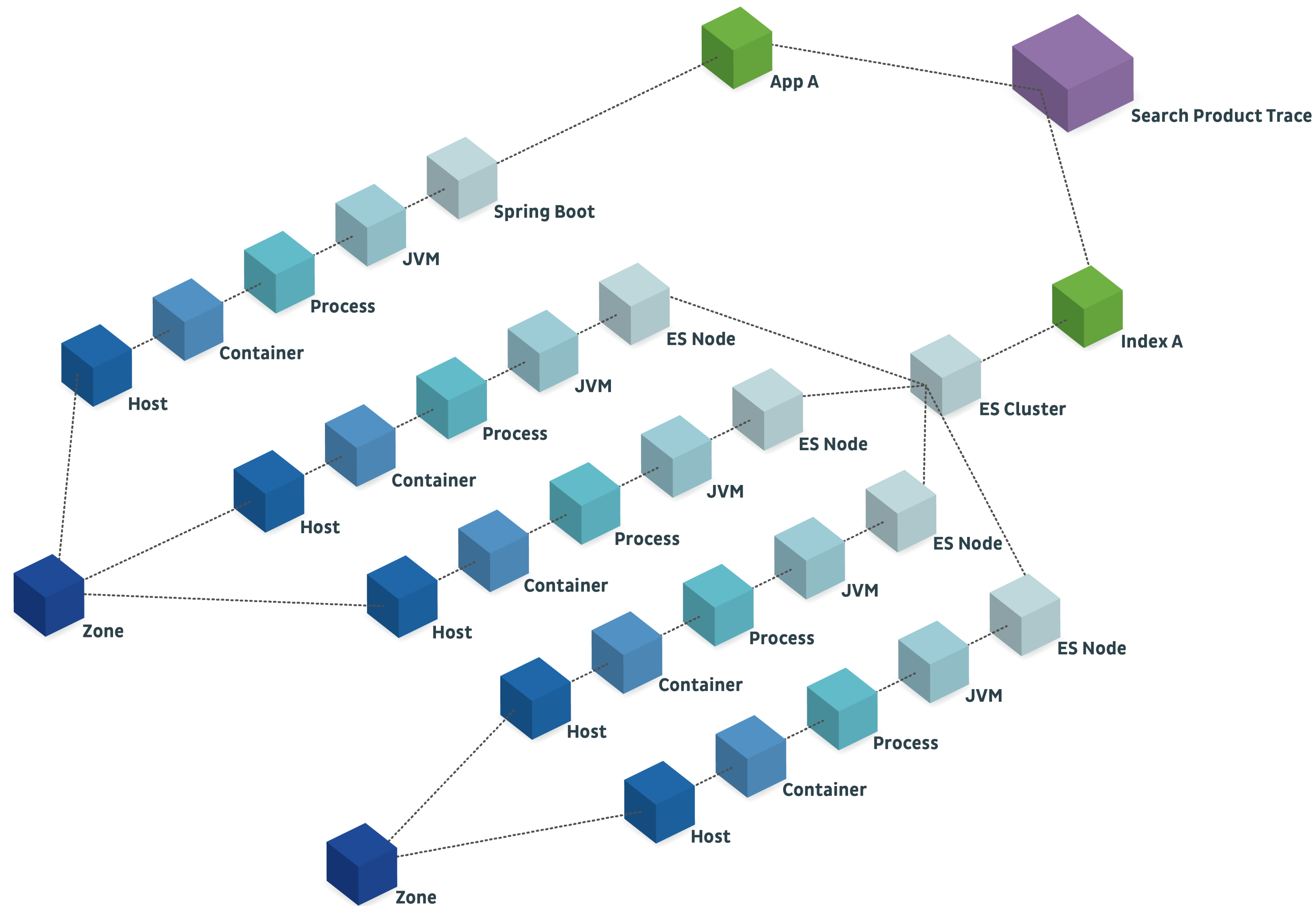
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API Documentation

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3 seconds from sensing to alerting



Instana's internal model that continuously correlates dependencies

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Automated APM for Modern Application Architectures



