



PORSCHE

Splunk Electrified:

Building a Modular Application for
the New Porsche Taycan

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Agenda

Porsche
Who are we?

Mission E

**Technical
Aspects**

Dashboarding

**Vision
Next Steps**

1

Mentimeter Word Cloud

What's the first thing that comes to mind when you think about Porsche?



Visit www.menti.com

Use the code **24 43 81**



Mission



In the beginning I looked
around and could not find
quite the car I dreamed of.
So I decided to **build it myself**

Porsche AG – The Company in Numbers (2018)

Staff
32,325
Employees

Delivery
256,255
Cars

Production
268,691
Cars

Sales Volume
25.8
Billion Dollar

Operating Income
4.3
Billion Dollar



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Soul Electrified



Mobile Charger

- 5" Touchscreen Display
- Price Optimized Charging
- Network and Internet Capabilities (Wi-Fi & PLC)
- Plug and Charge

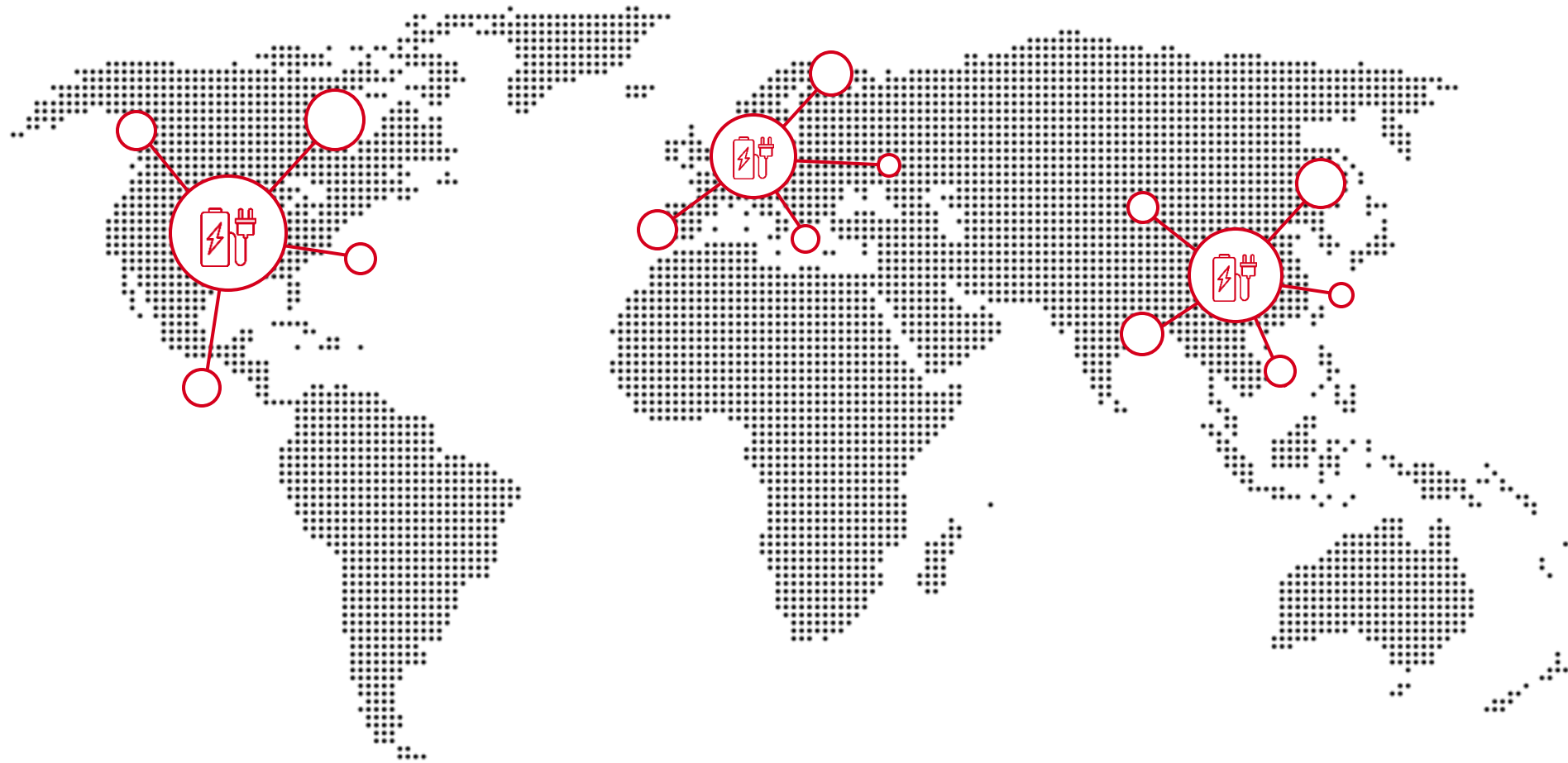


Porsche Turbo Charging

- Charge 2 cars simultaneously
- Battery storage ensures fast charging experience with up to 270 kW
- Low power grid connection at the installation site is sufficient
- Up to 100 km (WLTP) in 5min



Planned Charging Network Around the World



USA & Canada

Europe

Asia

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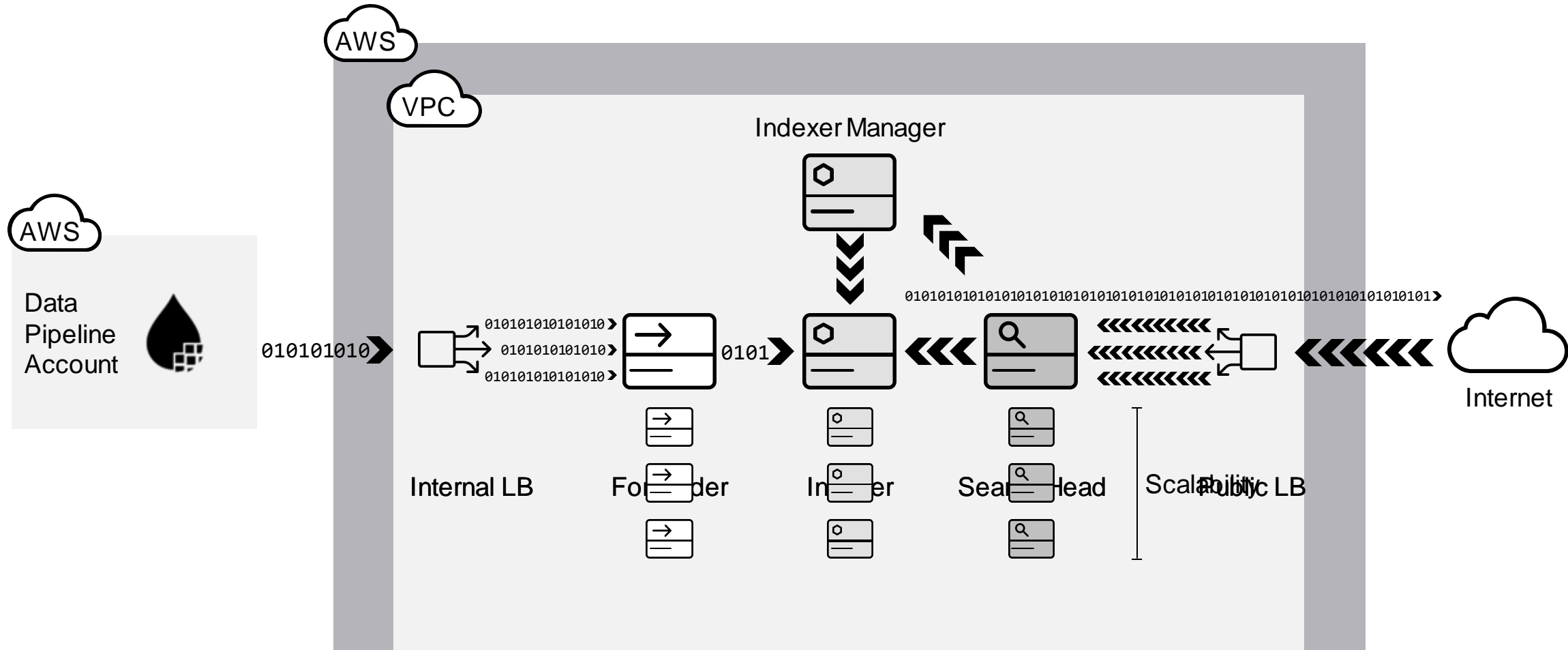
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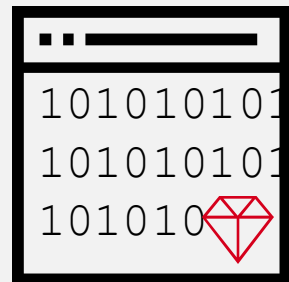
Splunk Architecture



Splunk Infrastructure

Hybrid Data Realtime Analytics Central Data

Data Producers



Integration

0101010101010101010101010101010101



**Integration
Harmonization
Distribution**

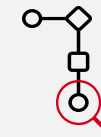
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Realtime Analytics

Process Evaluation



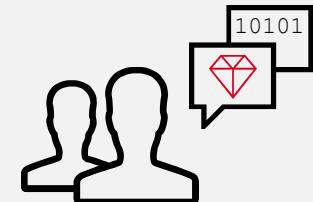
Process Analytics API



Data Consumers



Service Consumers



Application Architecture

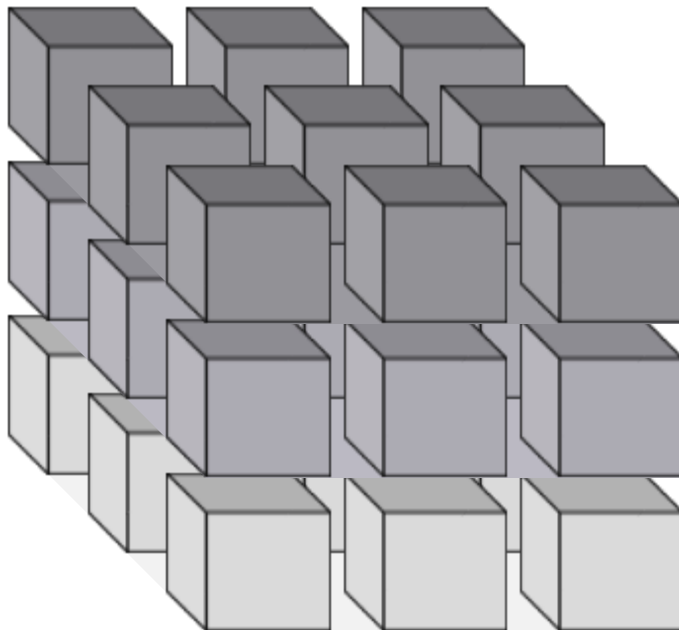


Microservices



Backend Software Layers

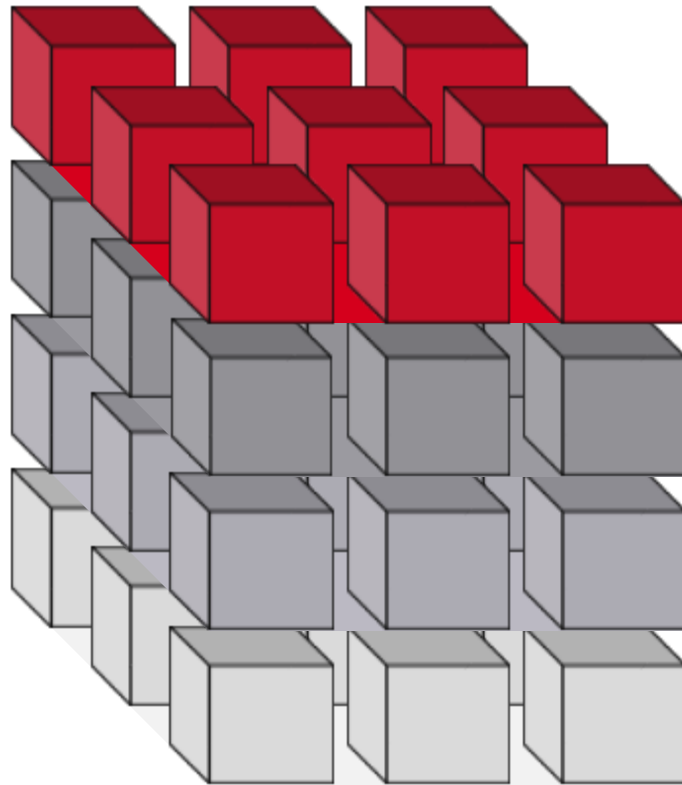
Microservices



Microservices

Backend Software Layers

Micro Apps / Self Contained Systems

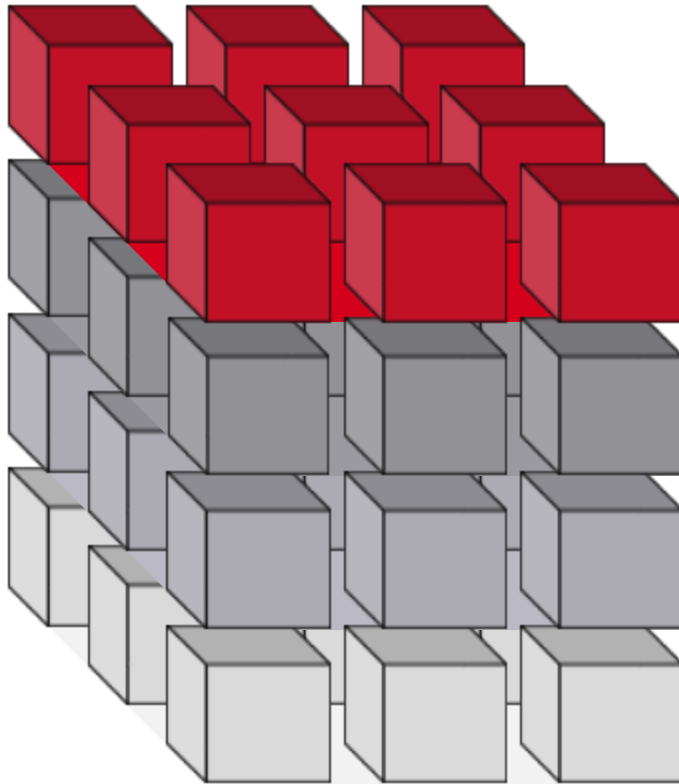


Frontend

Self Contained System

Backend Software Layers

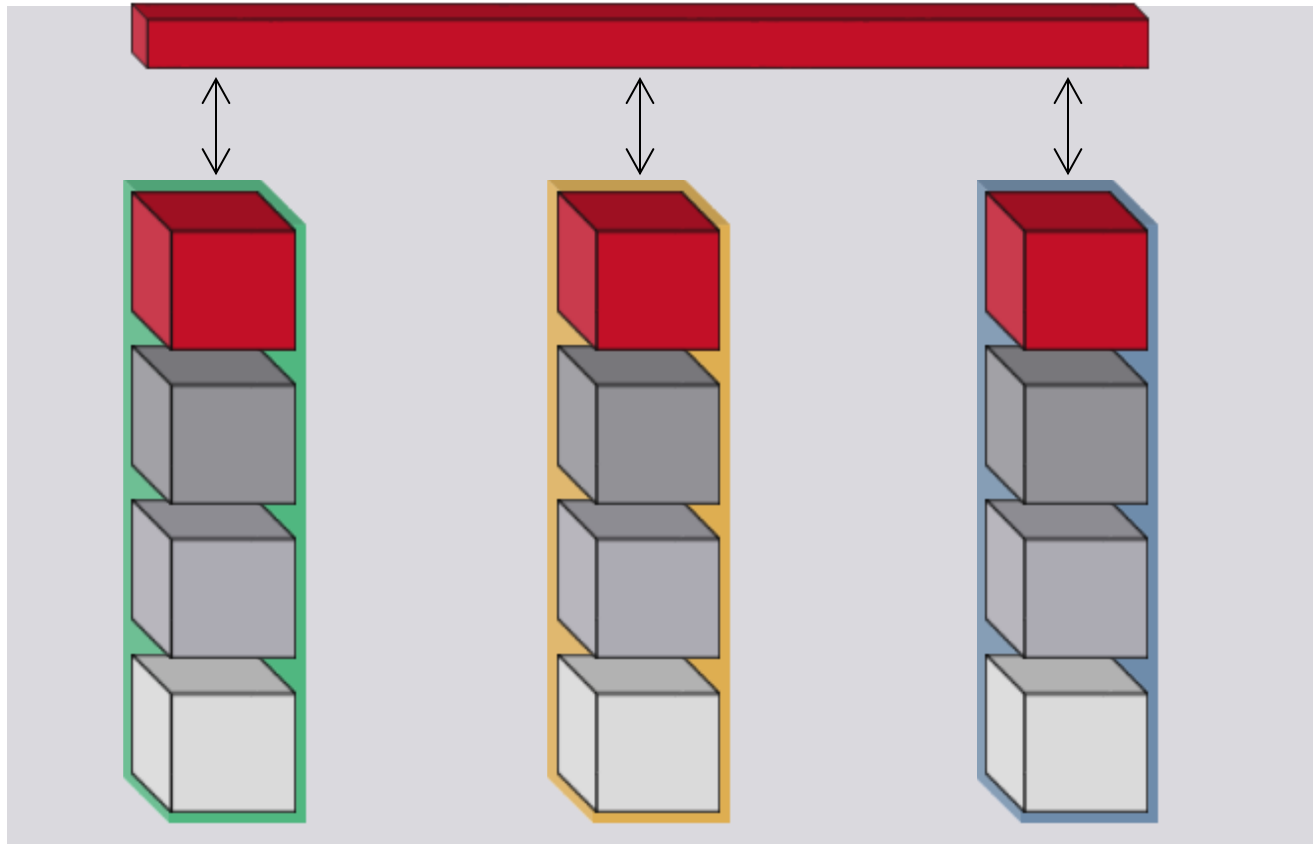
Micro Apps / Self Contained Systems



Self Contained System

Aggregating Micro Apps to One Application

Browser with integrated Micro App Page



- Application written in Go
- Application written in Node
- Application written in Java

App Overview



Manuals & Guides



GeoDash



PCSI

News



PCM 5.0 - Information

23.08.2019 22:00

Please notice the dealer information for PCM 5.0 (English version attached). All other languages are released in "Information media" -> "Manuals".



Inadequate resistance of a material of a plastic bushing for the selector lever cable

07.08.2019 11:00

Alarming porsche news incoming ... Inadequate resistance of a material of a plastic bushing for the selector lever cable.



Attention: Inadequate part

01.07.2019 06:30

Important news ... Attention: Inadequate part

Customer Problem



Le Email Address, VIN, EVSE,...



Customer Journey

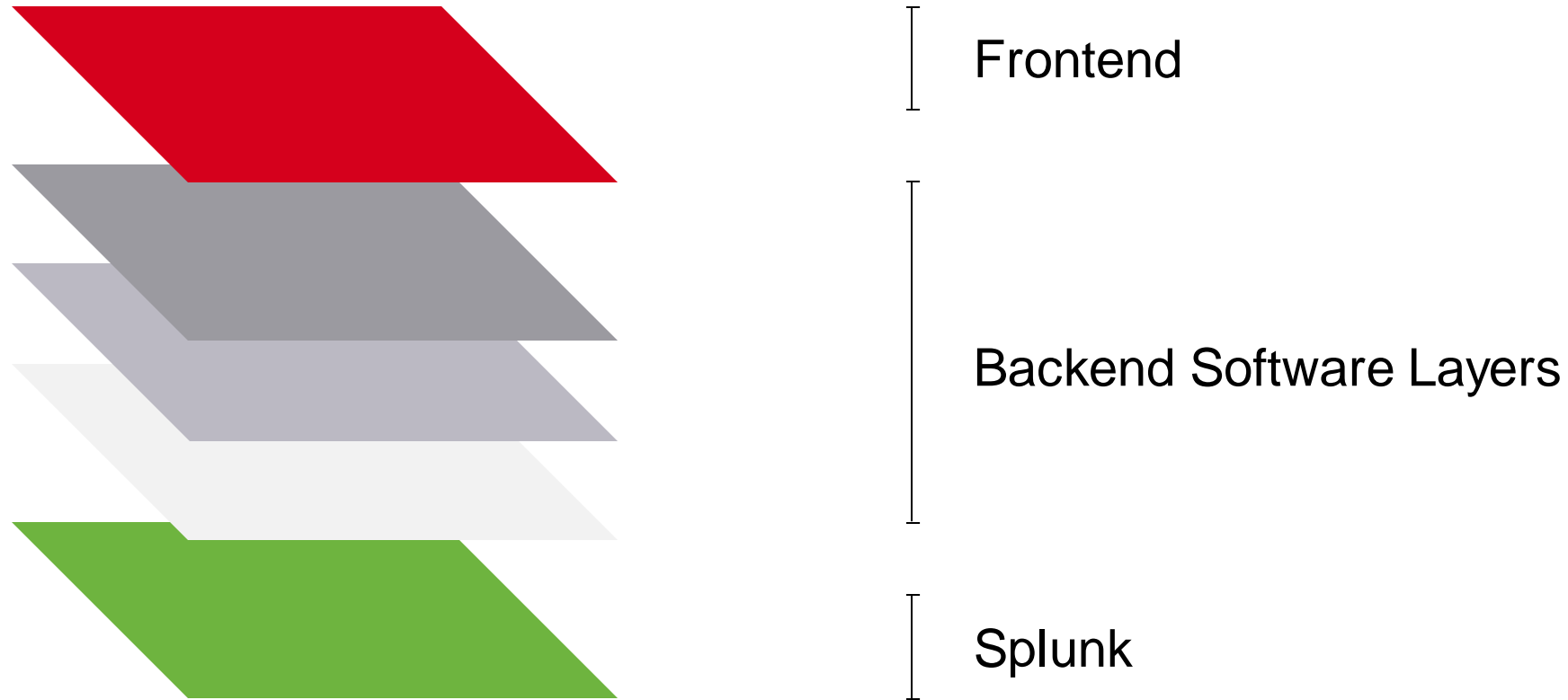


Microservices

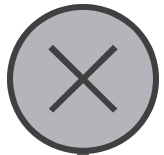


Backend Software Layers

Customer Journey / Process Flow – Architecture



Process Overview



Charging not Working



Calling Support



Use Digital Support



Check Process



Solution





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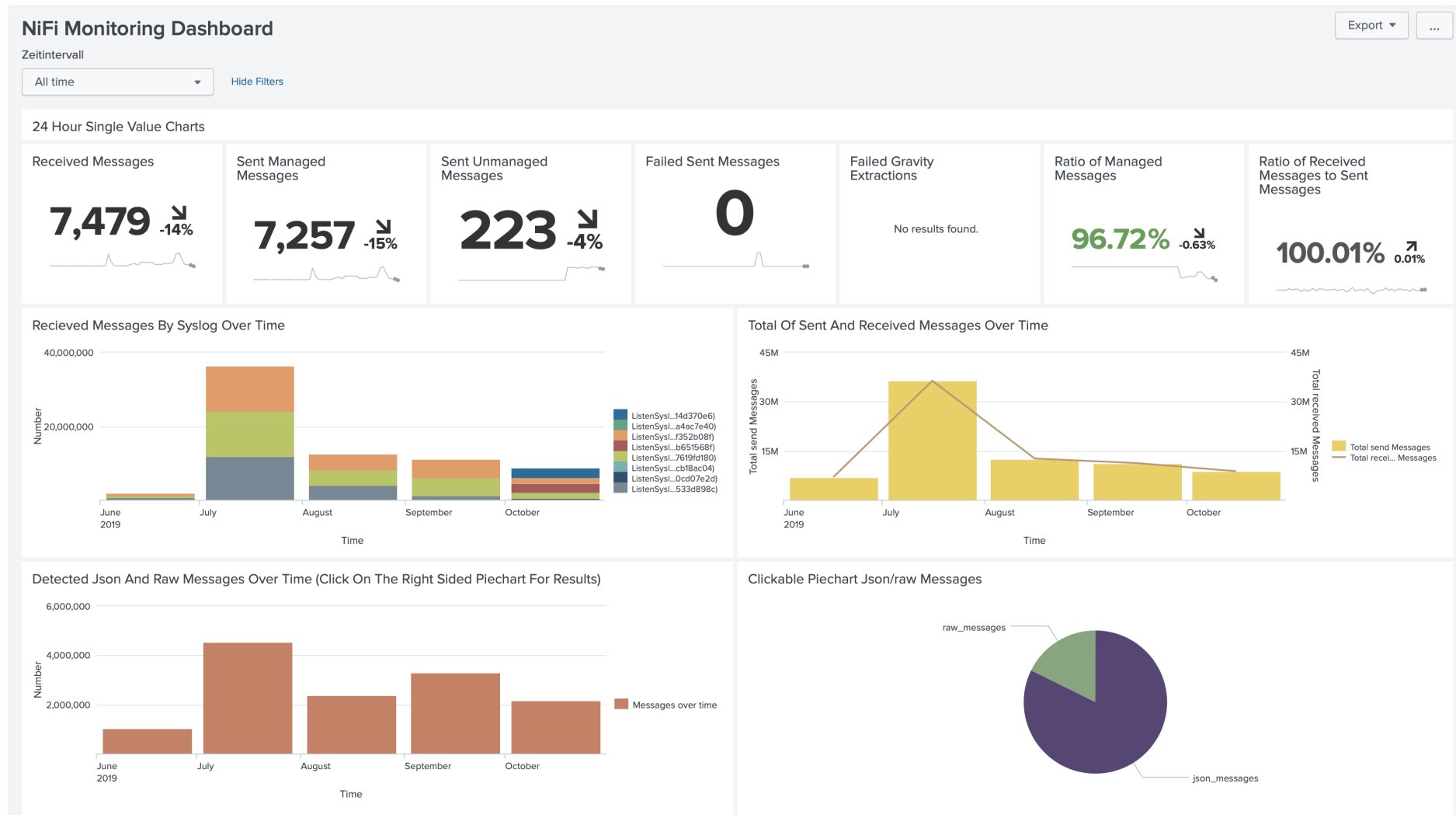
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Dashboarding and Alerts



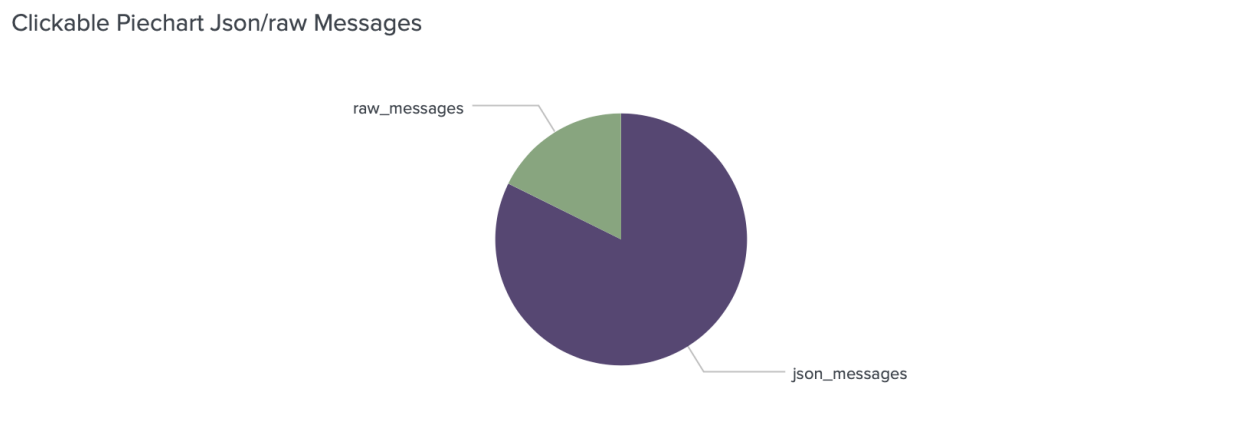
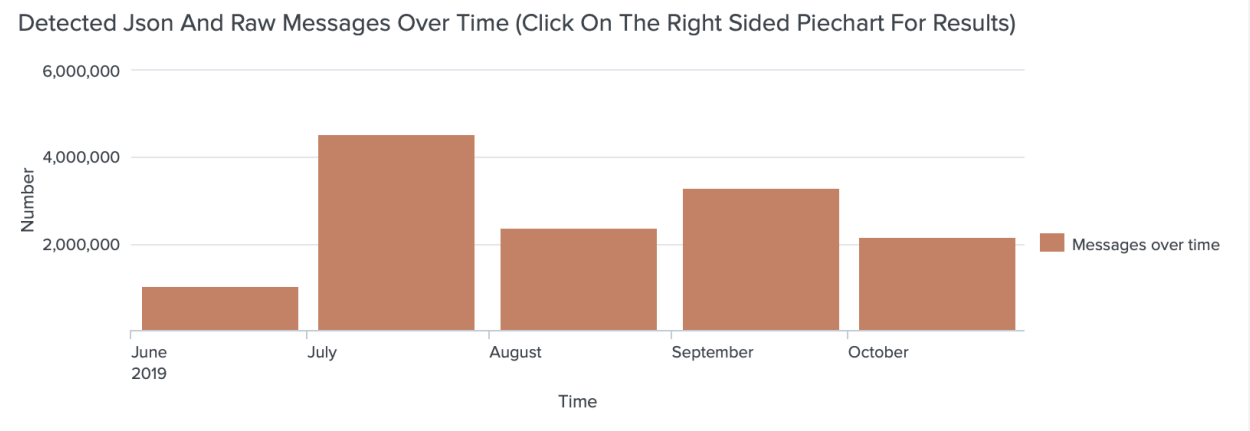
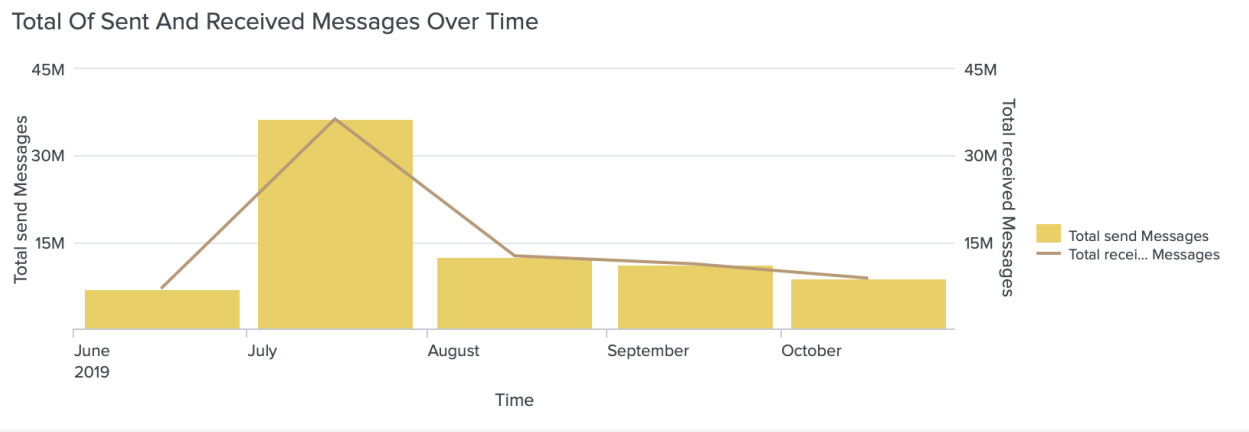
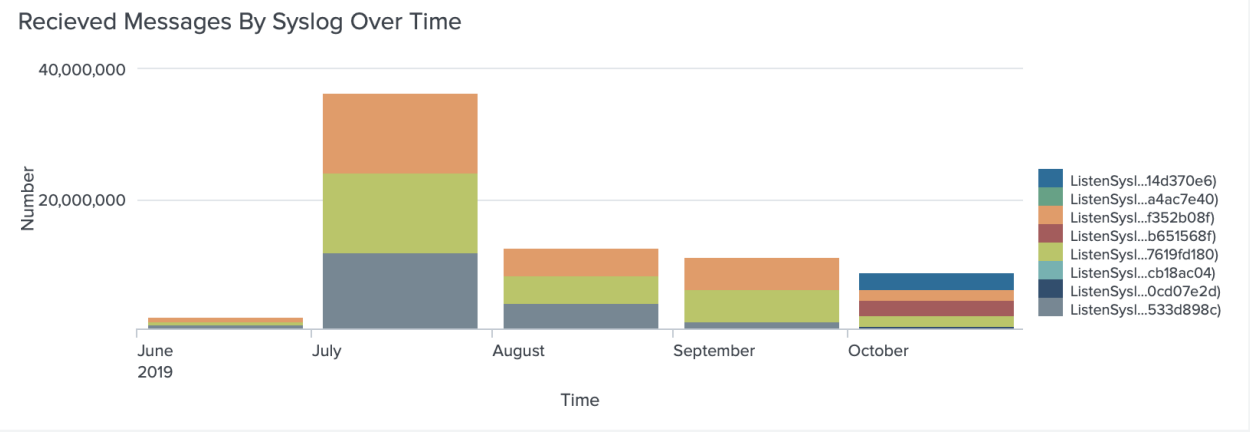
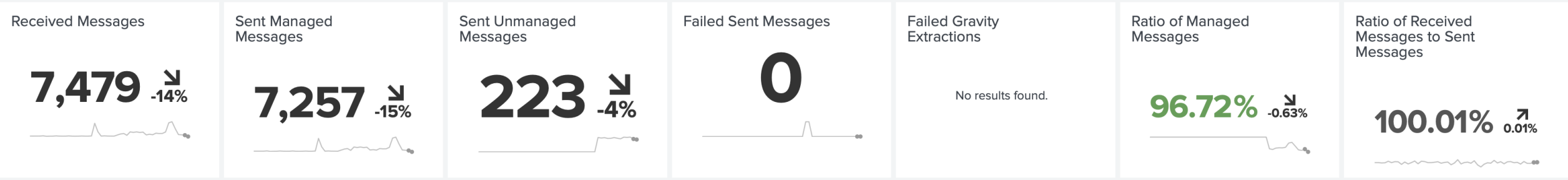
NiFi Monitoring Dashboard

Zeitintervall

All time ▾

[Hide Filters](#)

24 Hour Single Value Charts



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Vision // Next Steps

Continuous Expansion



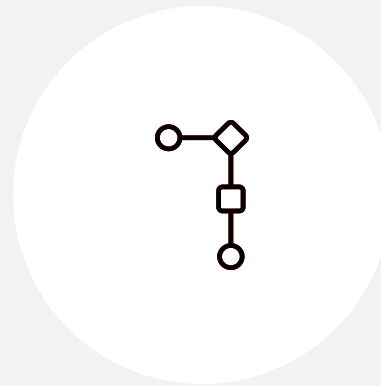
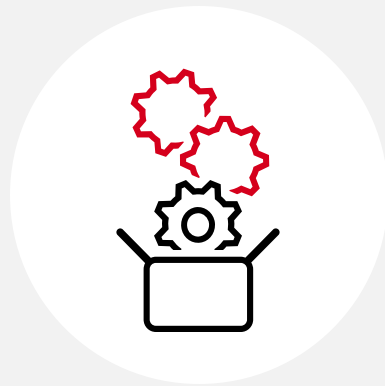
Worldwide

Apps

In-Car

Processes

Prediction





Q&A

Tim Klapper | Splunk Service Manager
Tobias Schug | Senior Software Engineer



splunk>

Thank You!

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RATE THIS SESSION

