



# Data Analytics Meet Machine Translation

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\$12.85B in revenue (USD) in FY2022

VMware is the leading provider of multi-cloud services for all apps, enabling digital innovation with enterprise control.

37,500+ employees



Allen Che  
Senior Technical Localization  
Program Manager



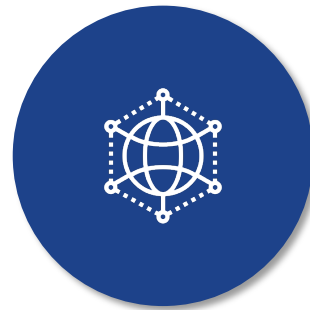
Martin Xiao  
Senior Technical Localization  
Program Manager



# Objective



Business  
Manager



Localization  
PM



Technical  
Lead

# Data is the key

## Discovery

Discovery the data to uncover the pattern and trends.

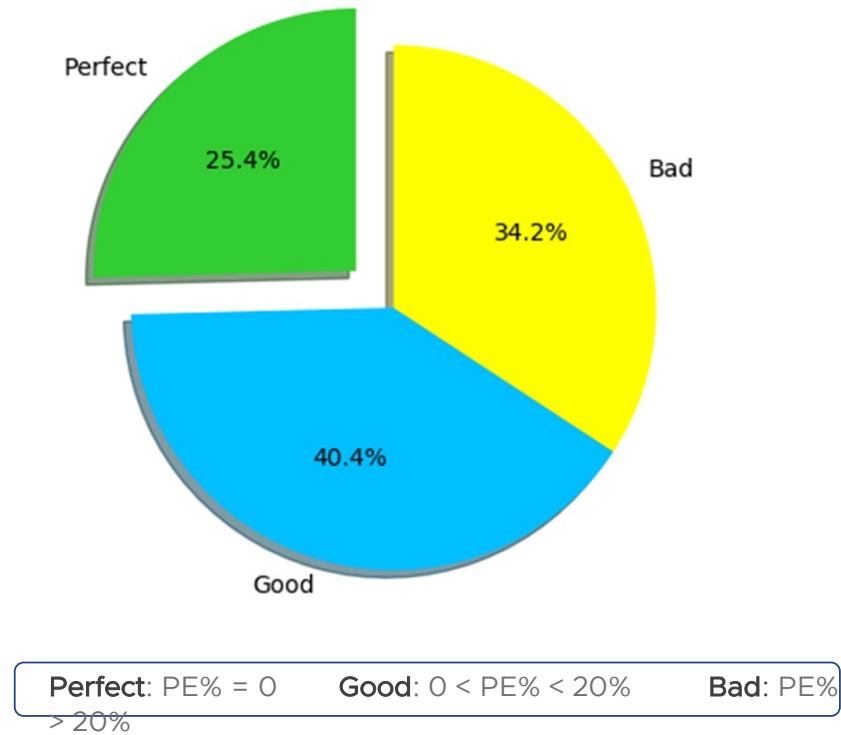
## Insight

Gain an Insight of the data to acquire the new value/new knowledge/new story.

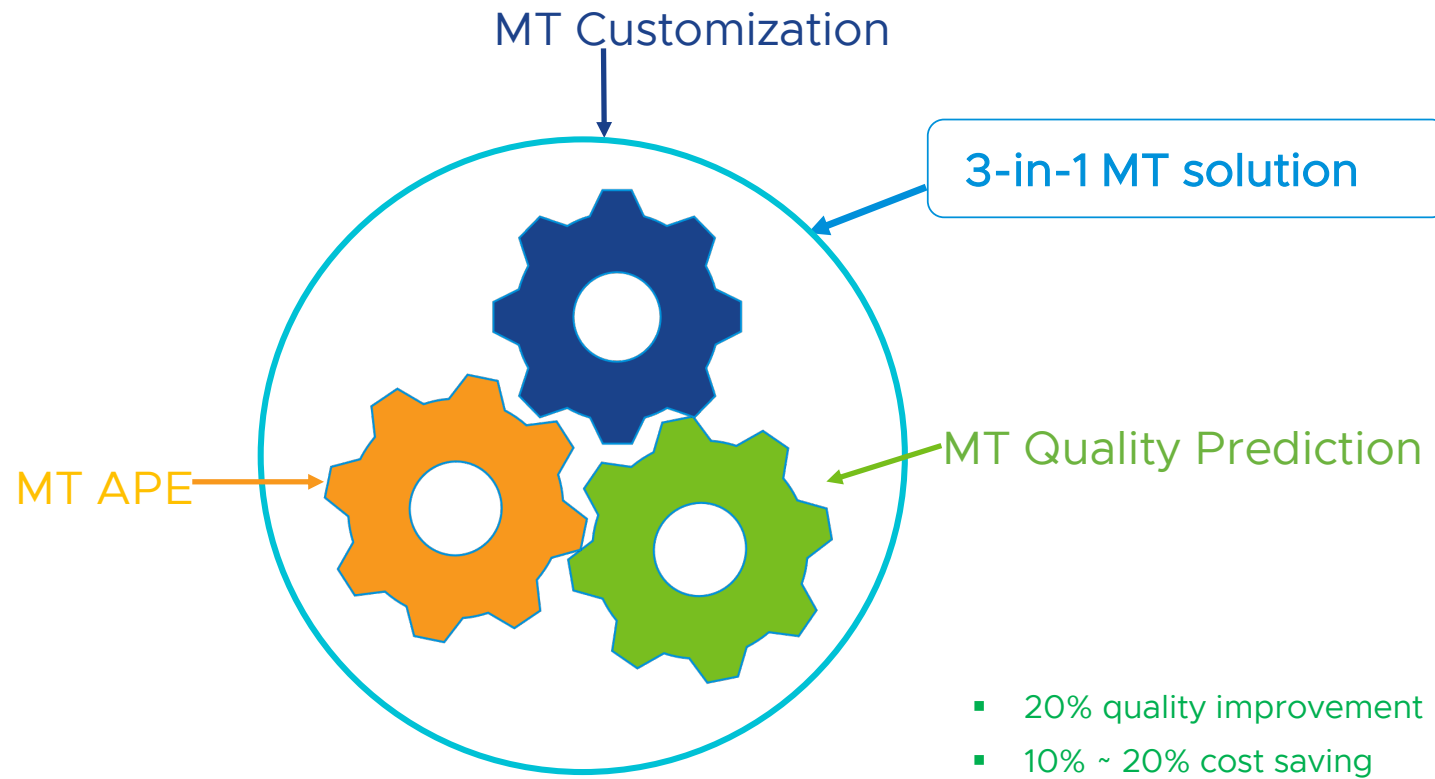
## Predict

Predict what could happen and make better and more scientific decisions.

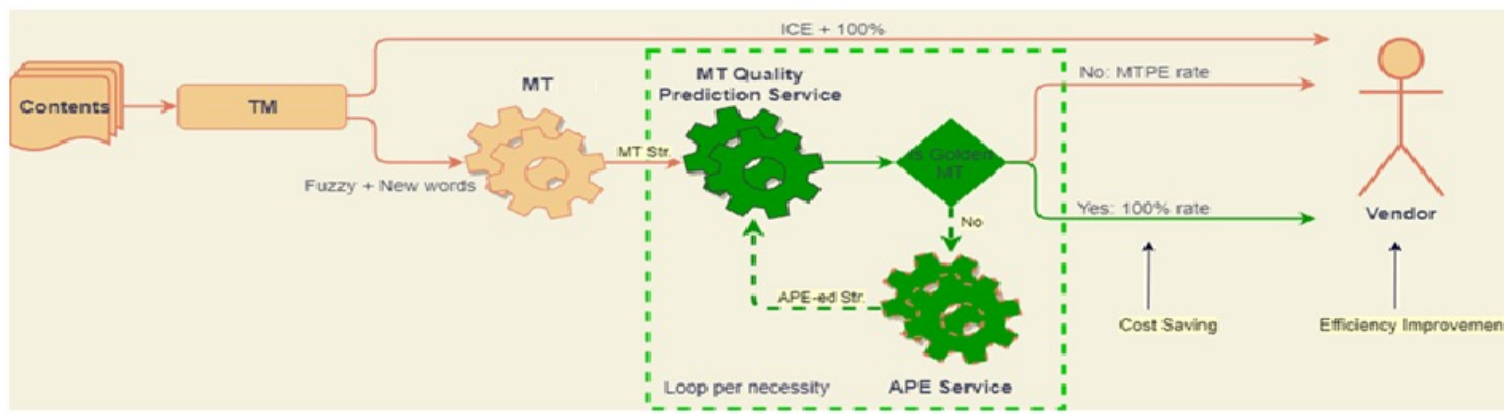
# Our Study – MT Quality



# MT Solution – ML aided



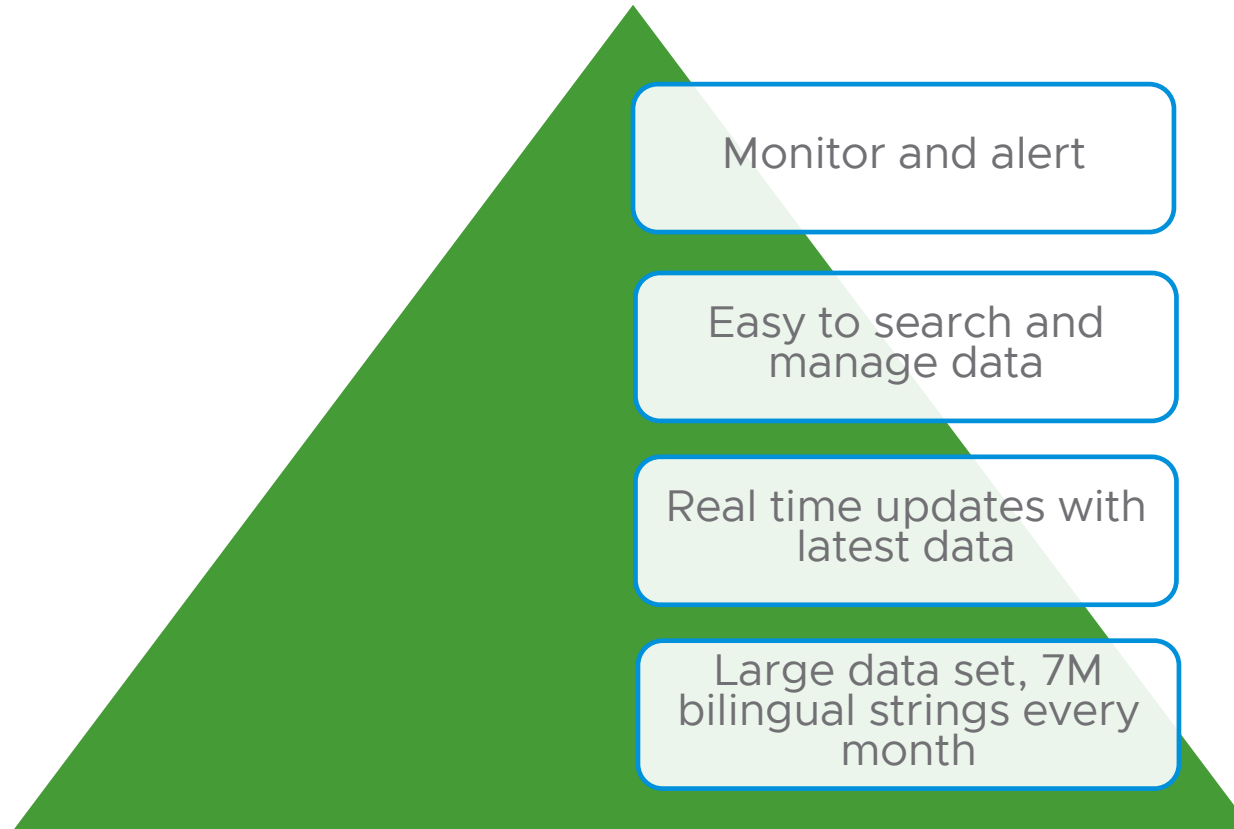
# How the MT solution works



## ML-Aided workflow

- MT Quality Prediction: auto quantify MT quality, ML based;
- MT Quality Prediction: Perfect MT use-case
- APE Service: auto post editing to improve MT quality, ML based

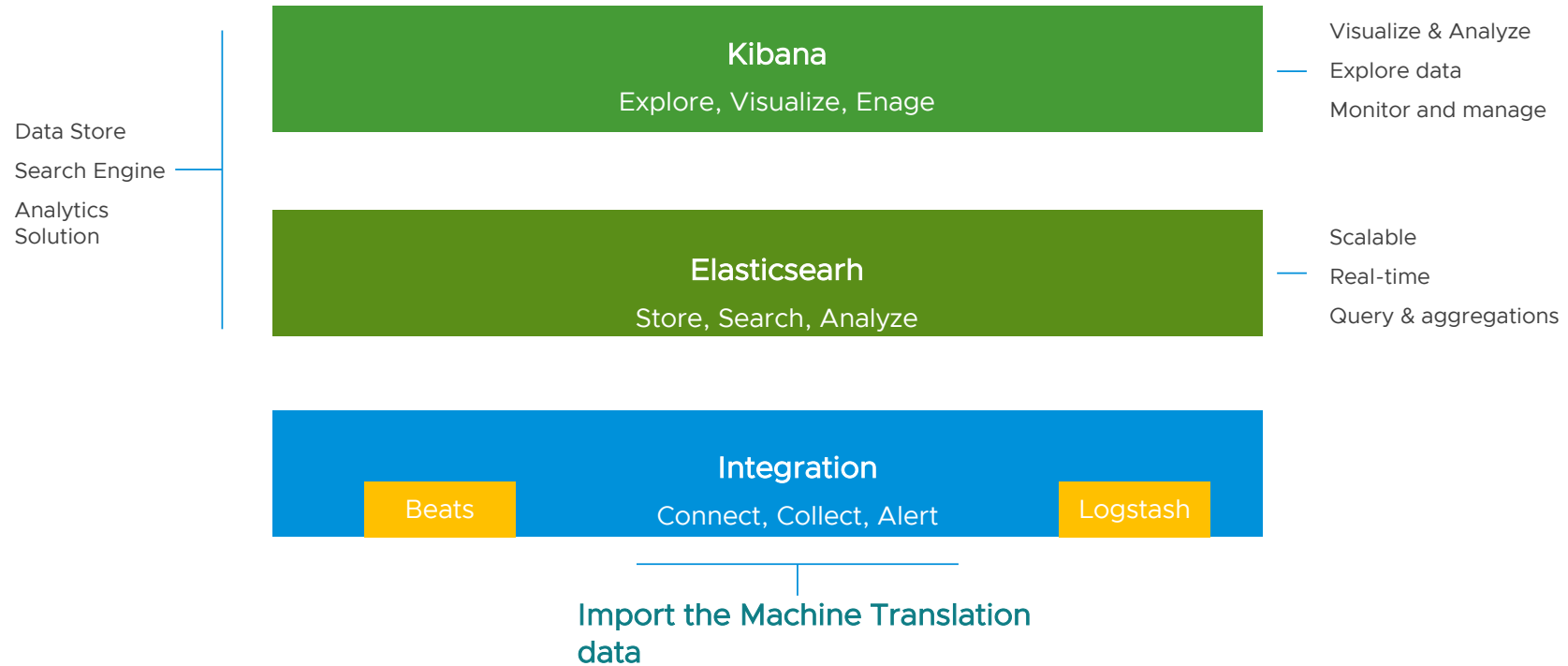
# Challenge



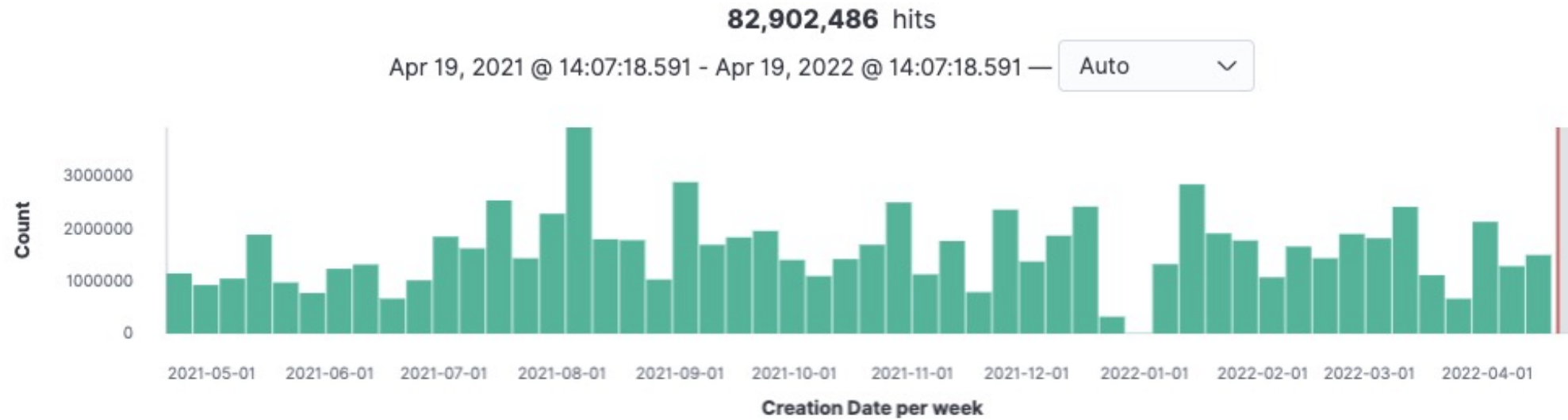


# Solution – Elasticstack

Automate, Monitor and Visualize

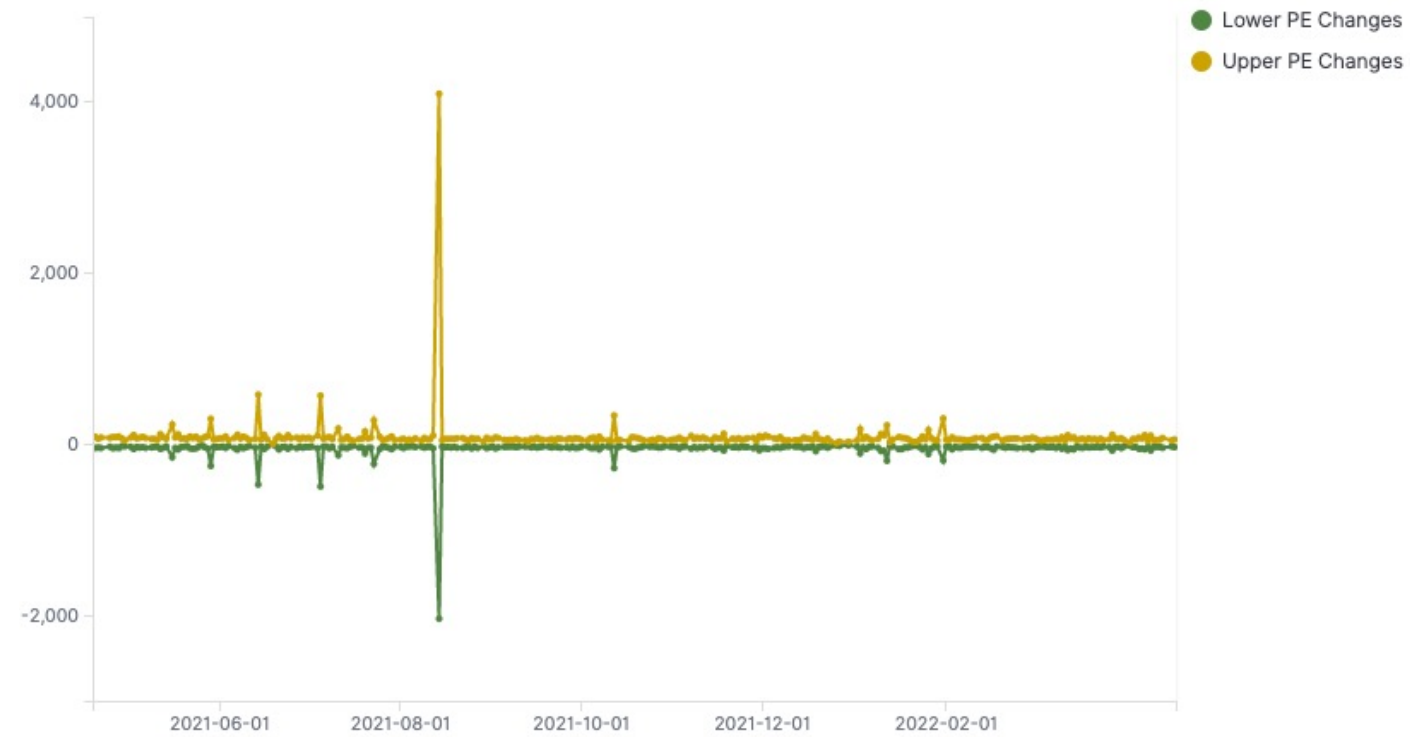


# Automate Data Collection

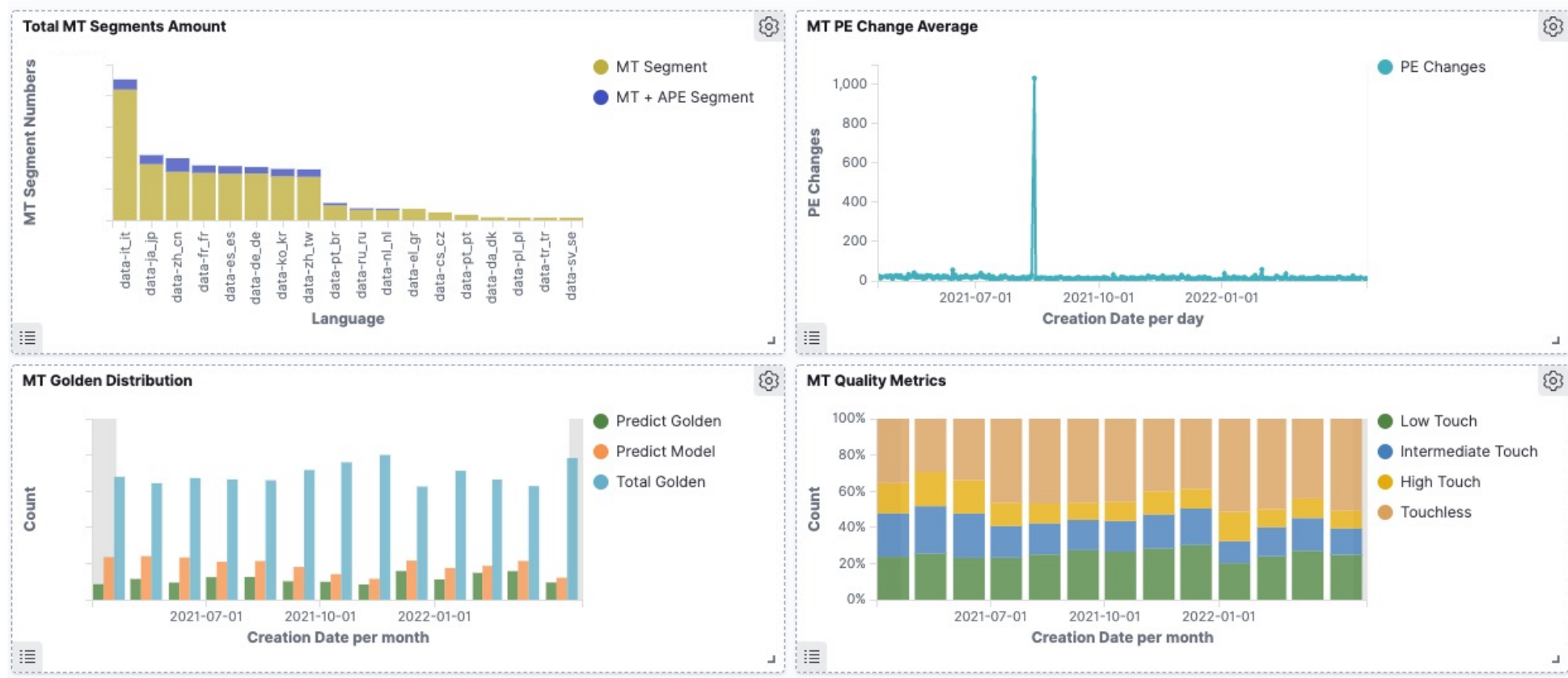


# Monitor

## Post-edit disance



# Visualize the data



# What's Next

## Intelligent Data Platform

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Automate the process

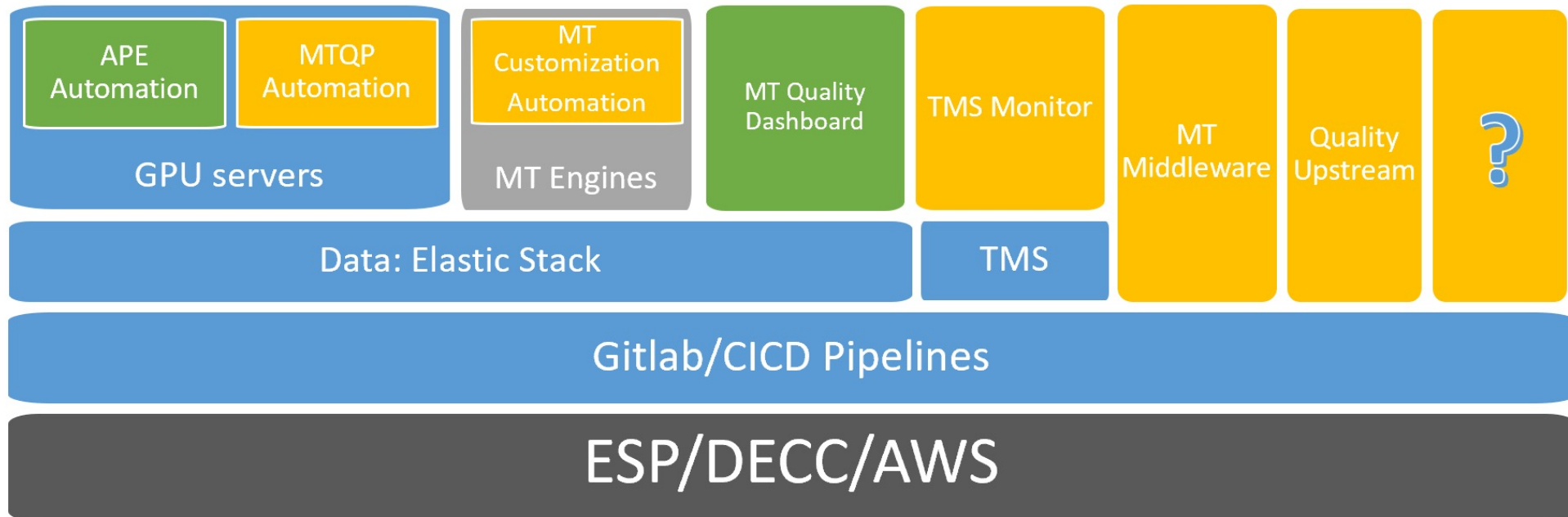


API integration



NLP layer on top of automation

# What's Next Architect



AMTA  
ORLANDO 20  
22

Live Q & A