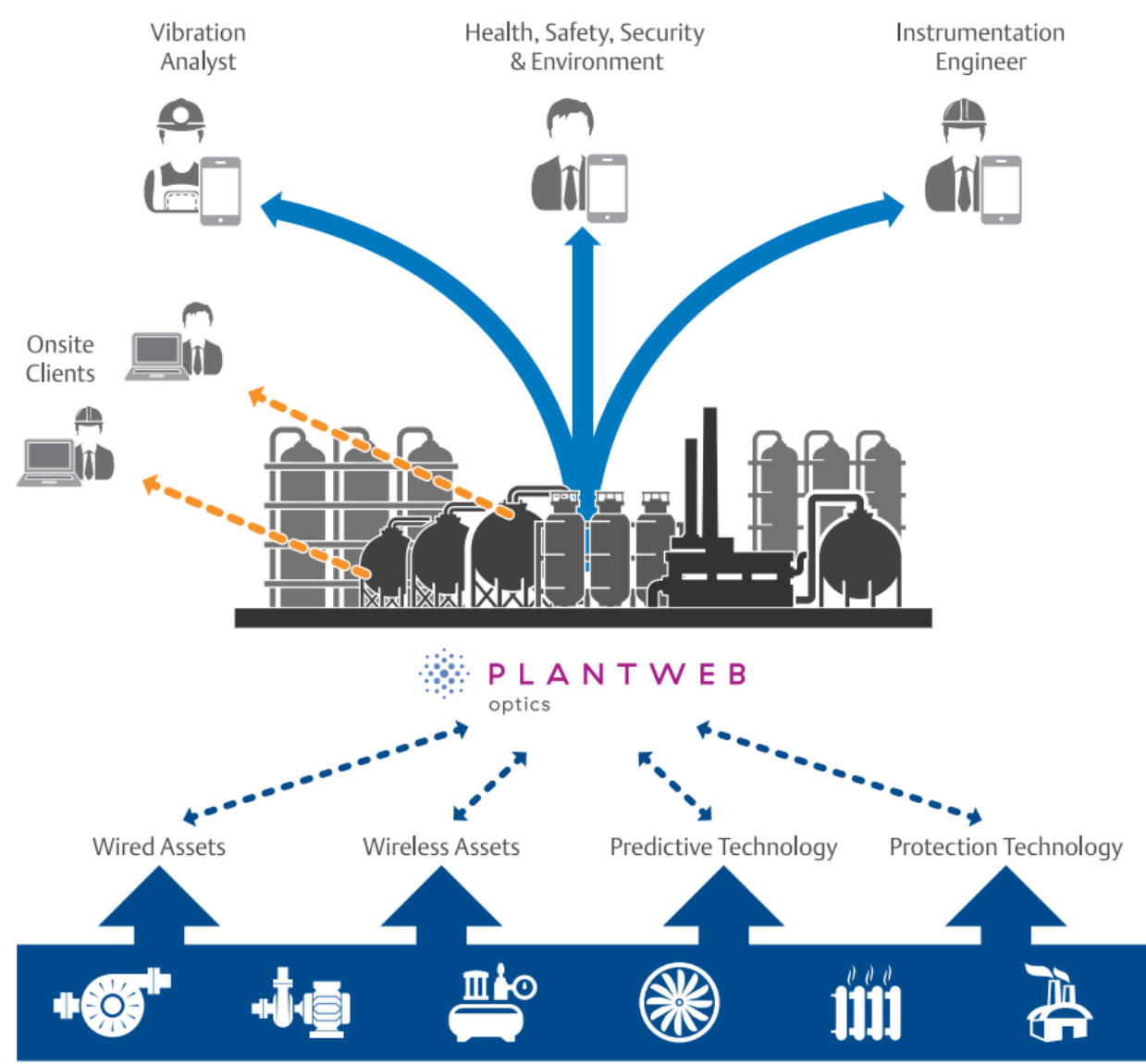


# Emerson Plantweb Optics Alexa Skill

---

Simon Kliever & Joel Wang

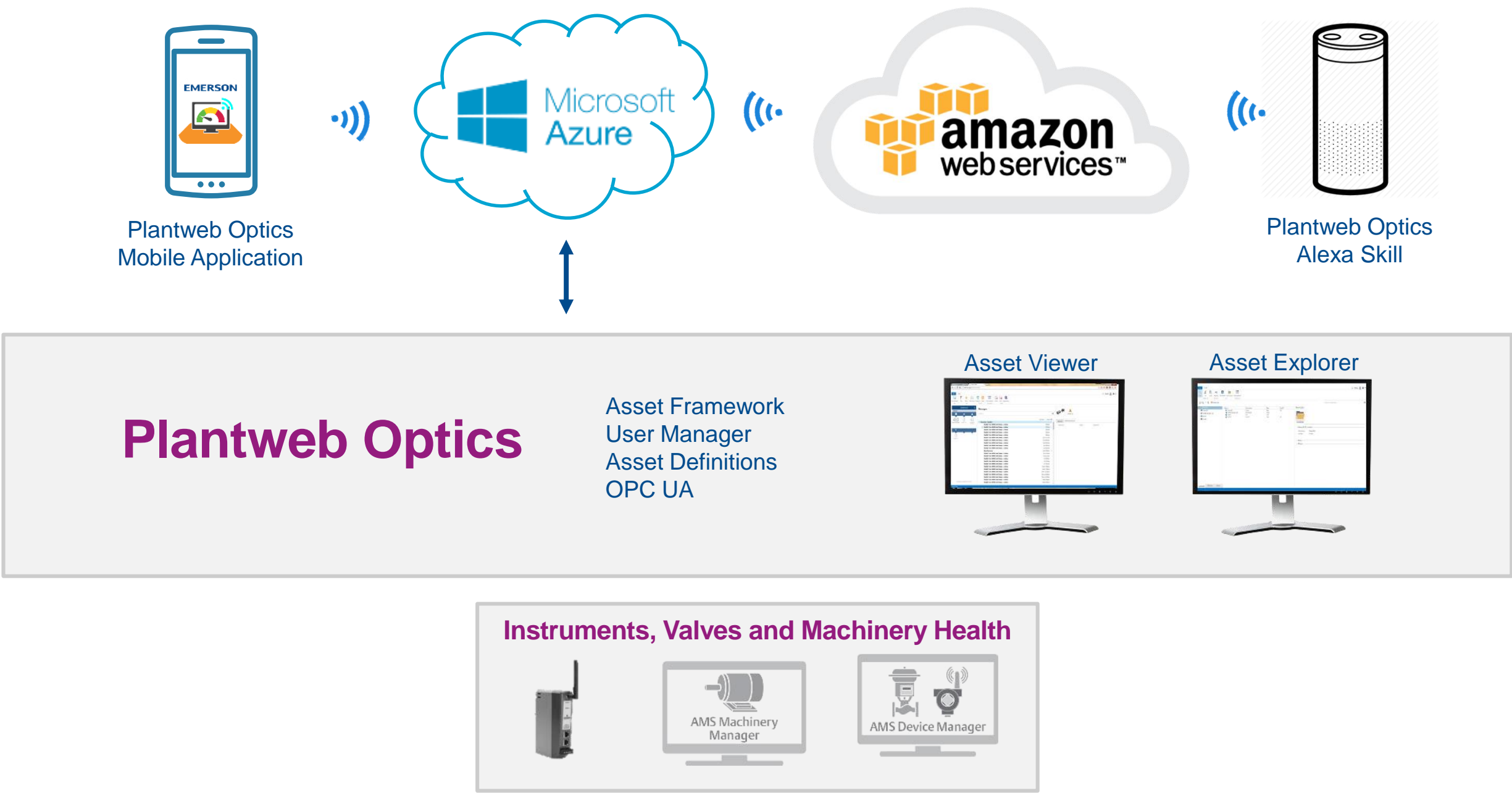
# What is Plantweb Optics?



# Overview of Alexa Skill




# Connection Structure



# Account Linking

← Emerson Plantweb Optics



Emerson Plantweb Optics

Emerson

★★★★★

devUS

ENABLE






Account linking required

TRY SAYING

"Alexa ask Optics to read the latest message"

ABOUT THIS SKILL

Allows users to use Emerson Plantweb Optics through Amazon Alexa



× ps://askoptics.azurewebsites.ne

Token Authentication

Optics Authentication Token

12349940

Authenticate

Sign in

Plantweb Optics account



Username

Password

Sign in

Forgot your password?

× Emerson Plantweb Optics : Ac... https://skills-store.amazon.com




Emerson Plantweb Optics has been successfully linked.

What to do next:

→ Try saying: "Alexa ask Optics to read the latest message"

→ Close this window to return to the skill page.

Emerson Confidential



5

# Alexa....

---

**Ask Optics**

{  
for  
to  
about  
}

**[ Command ]**

**[ Command ]**

{  
from  
in  
using  
}

**Optics**

## Command Structure

# Message Commands

---

## Number of Messages (+ unread, read, urgent)

- “Alexa, ask Optics to tell me the number of messages that are unread.”
- “Alexa, what is the count of the urgent messages from Optics?”
- “Alexa, can you ask Optics whether I have any messages?”

## Latest Message (+ unread, read, urgent)

- “Alexa, get me the latest message from Optics.”
- “Alexa, ask Optics for my newest message that is urgent.”
- “Alexa, ask Optics to read the most recent unread message.”



# Asset Commands

---

Number of Assets (+ unhealthy, watched, flagged) (+ function type)\*

- “Alexa, how many assets do I have that are flagged in Optics?”
- “Alexa, do I have any unhealthy assets in Optics?”
- “Alexa, can you ask Optics to read me the count of unhealthy valves?”

Unhealthiest Assets (+ 1-10) (+ function type)\*

- “Alexa, ask Optics for my unhealthiest asset.”
- “Alexa, read me my six valves that are unhealthiest in Optics.”
- “Alexa, tell me about the two most unhealthy temperature assets from Optics.”



# Report & Definition Commands

---

## Health Report

- “Alexa, what’s my health report in Optics?”
- “Alexa, give me the health status report using Optics.”

## Dashboard Report

- “Alexa, can you ask Optics for the dashboard report?”
- “Alexa, dashboard status from Optics.”

## Glossary Definitions

- “Alexa, ask Optics to define channel mapping.”
- “Alexa, can you tell me the definition of a filter in Optics.”

# Future Ideas

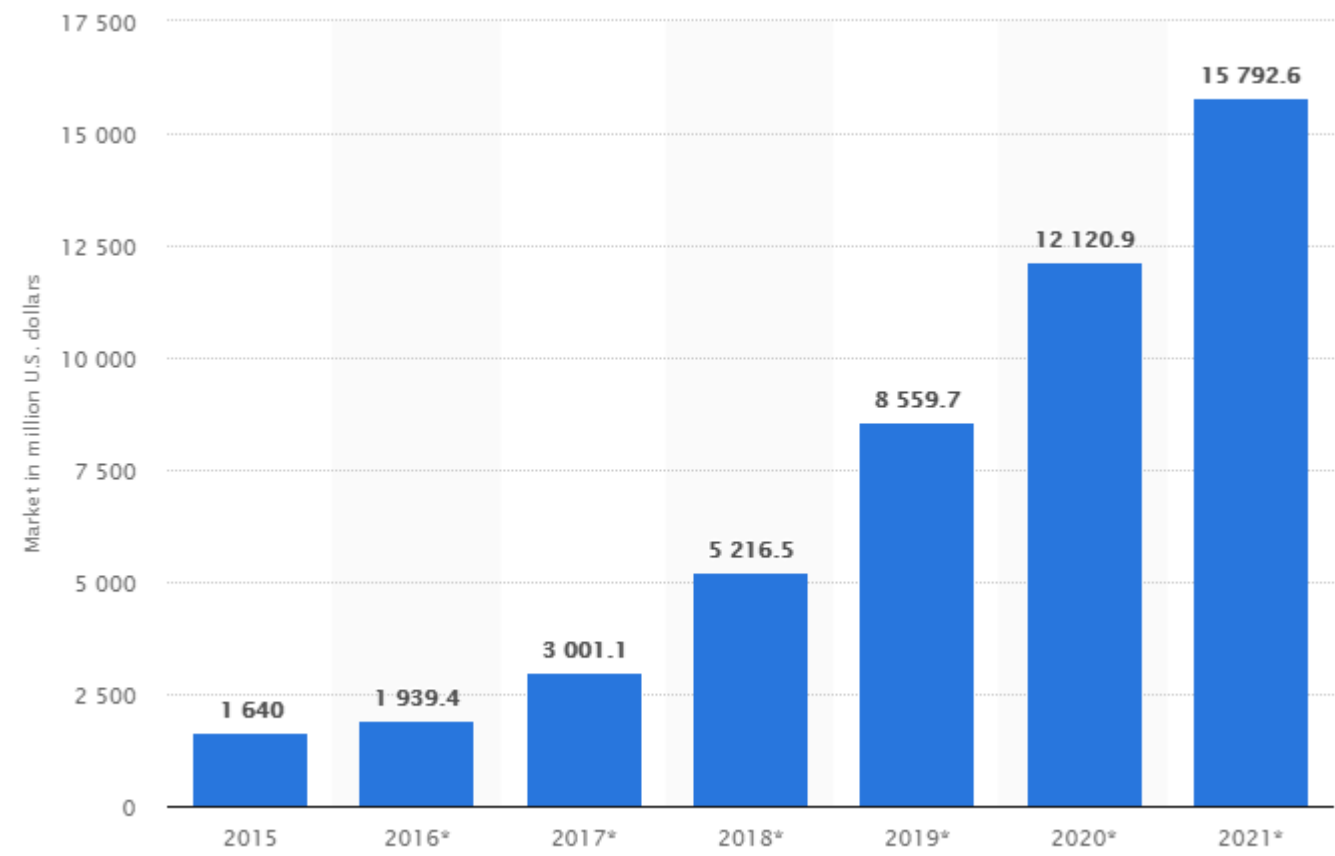
---

## Content Creation + Dialog Mode

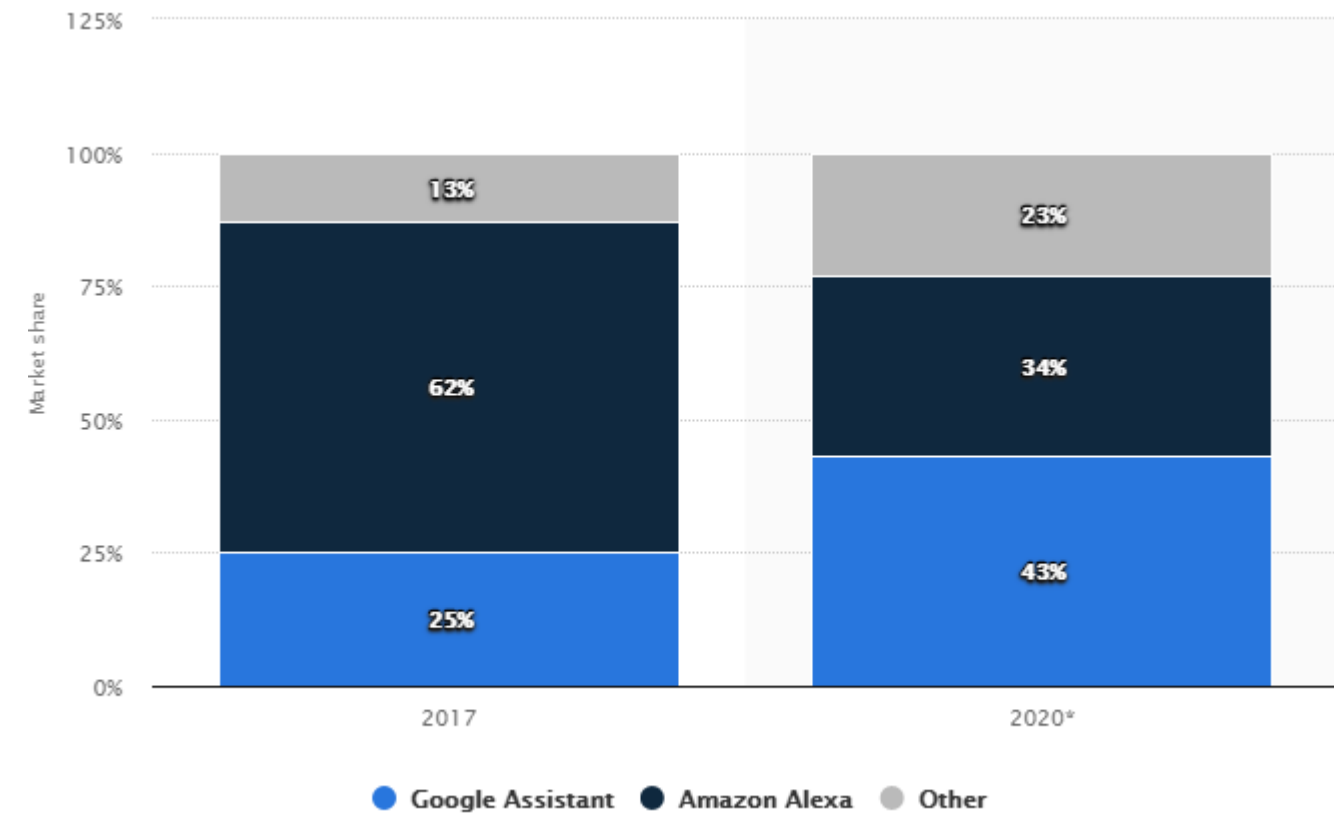
- Modifying **message** or **asset mentioned in a message**
  - Ignoring, flagging, watch listing
  - Modifying failure effects, functions, tags, priority levels
- Creating a **message**

# Future Ideas

## Expansion to other digital assistants

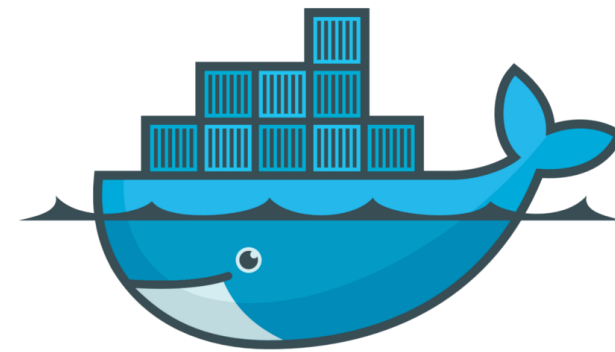


Size of the virtual digital assistant (VDA) market worldwide from 2015 to 2021



Worldwide intelligent/digital assistant market share in 2017 and 2020

# Container Implementation



docker

# Sources

---

- <https://www.statista.com/statistics/589079/worldwide-virtual-digital-assistants-consumer-market/>
- <https://www.statista.com/statistics/789633/worldwide-digital-assistant-market-share/>