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Technical Exploration

Kazuaki Ishiguro
Lead Blockchain Engineer
@Kazuakiishiguro

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Let’s talk about

1. **Quick review of AI history and its composition**
2. **Problems**
    a. Black-Boxed AI
    b. Algorithm made by Individual interpretation
3. **Solutions**
    a. GeneFlow
    b. Smart Space Usecase
    c. TCR
    d. Character AI marketplace

source : NVIDIA

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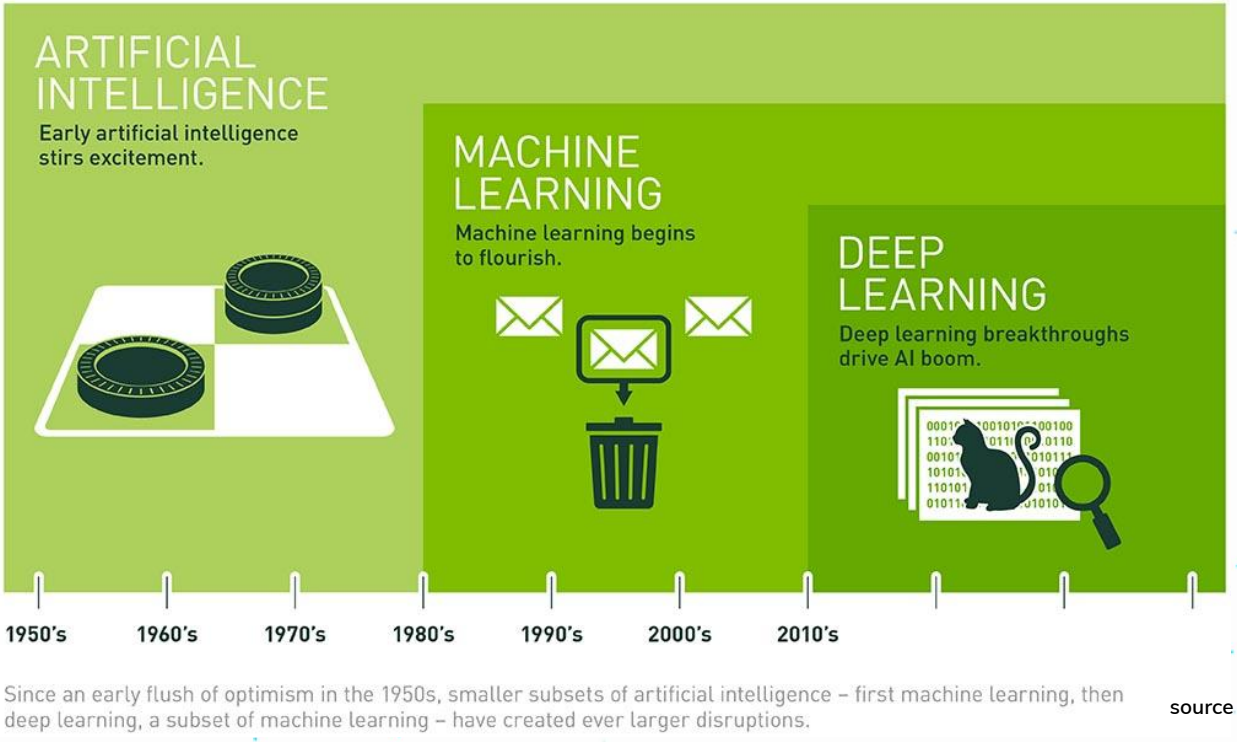
AI Timeline



source : NVIDIA

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AI Outline

What does it do really?

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AI Outline

What does it do really?

Comprehension

Decision Making

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AI Outline

What does it do really?

Comprehension

- Machine Learning
- Deep Learning

Decision Making

- Appearance
- Personality

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AI Outline

What does it do really?

Comprehension

- Machine Learning
- Deep Learning

INPUT

Decision Making

- Appearance
- Personality

OUTPUT

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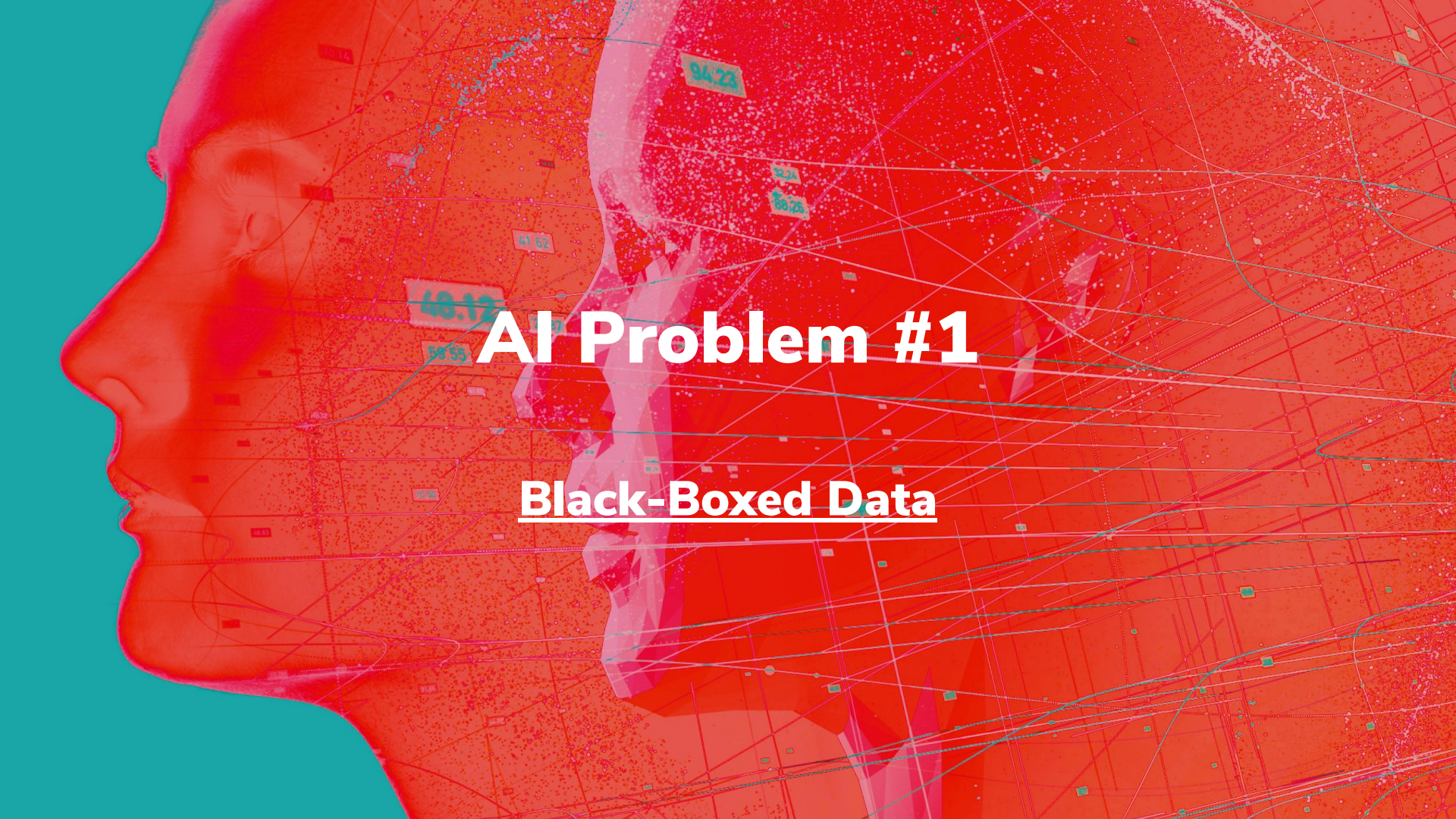
AI Problem #1
Black-Boxed Data

Black-Boxed AI

Comprehension

- Machine Learning
- Deep Learning

INPUT

Requires :

- **Data**
- **Resourse**

Cause :

- **Silo**
- **Black-Box**

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Black-Boxed AI

Comprehension

- Machine Learning
- Deep Learning

INPUT

Google

facebook

UBER

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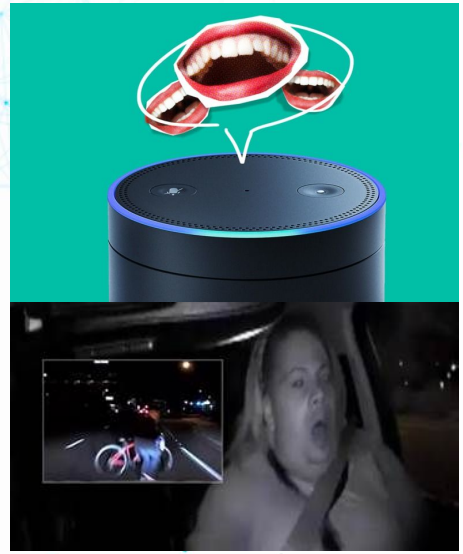
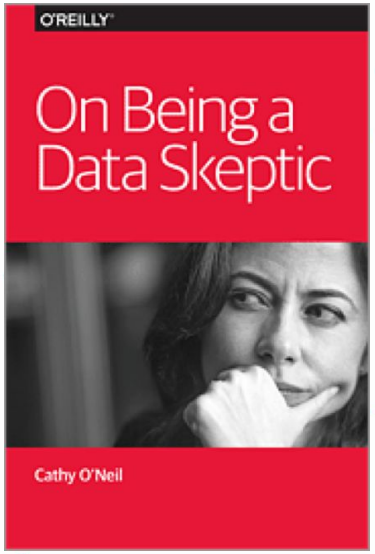
AI is not Trustworthy

- On Being a Data Skeptic - Cathy O'Neil
- Amazon Alexa Bug
- Google Home Bug
- Uber autonomous car accidents
- and many more.....





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Wait... is using current AI SAFE?

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Wait... is using current AI SAFE?

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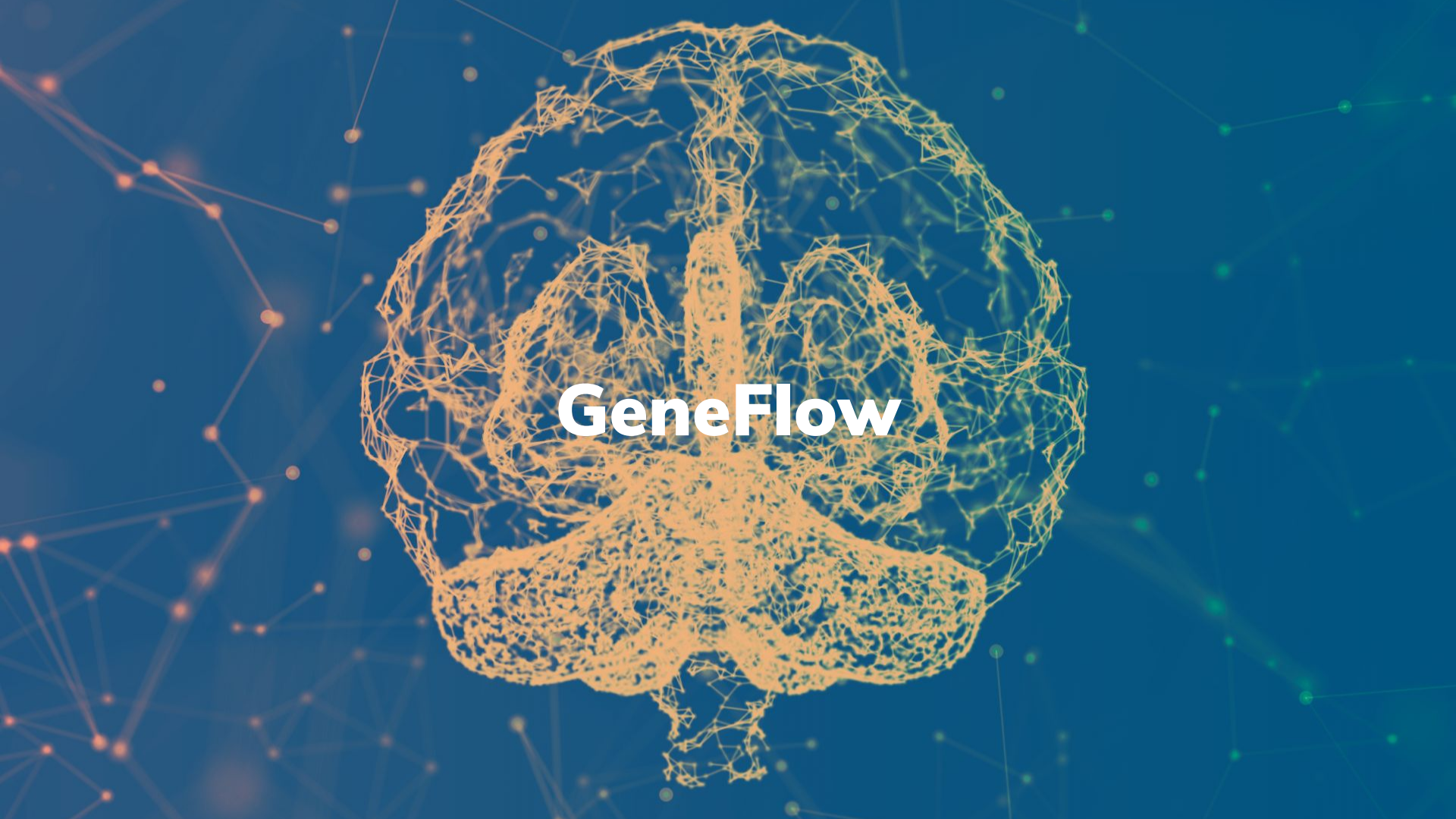
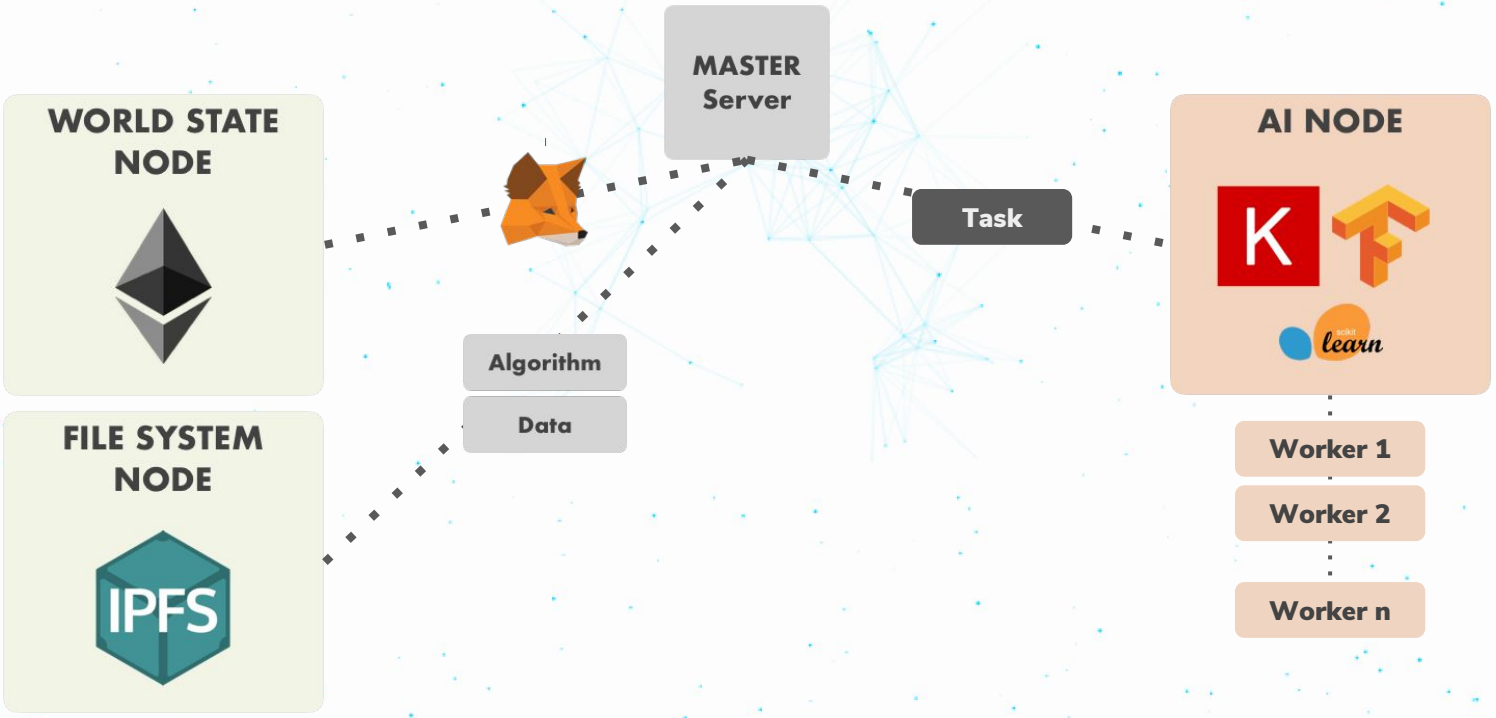

GeneFlow

GeneFlow



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GeneFlow

DEMO

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GeneFlow Solutions

- **Data integrity check** : OceanProtocol, Other Data Providers w/ Protocol.
- **Algorithm failure check** : SingularityNET, Decentralized Storage, Smart Contract.
- **Long term effect check** : Curated DataSet, Curated Computations, Curated Storage.

AI Problem #2

Algorithm

AI Outline

Comprehension

- Machine Learning
- Deep Learning

INPUT

Decision Making

- Appearance
- Personality

OUTPUT

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AI Outline

Comprehension

- Machine Learning
- Deep Learning

SAFE

INPUT

Decision Making

- Appearance
- Personality

OUTPUT

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Decision Making Process

If my have received input A,

and detect _____ , do _____.

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Decision Making Process (from our POV)

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Decision Making Process (from our POV)

[redacted]

[redacted]

(because my algorithm said so….)

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Example in reality...

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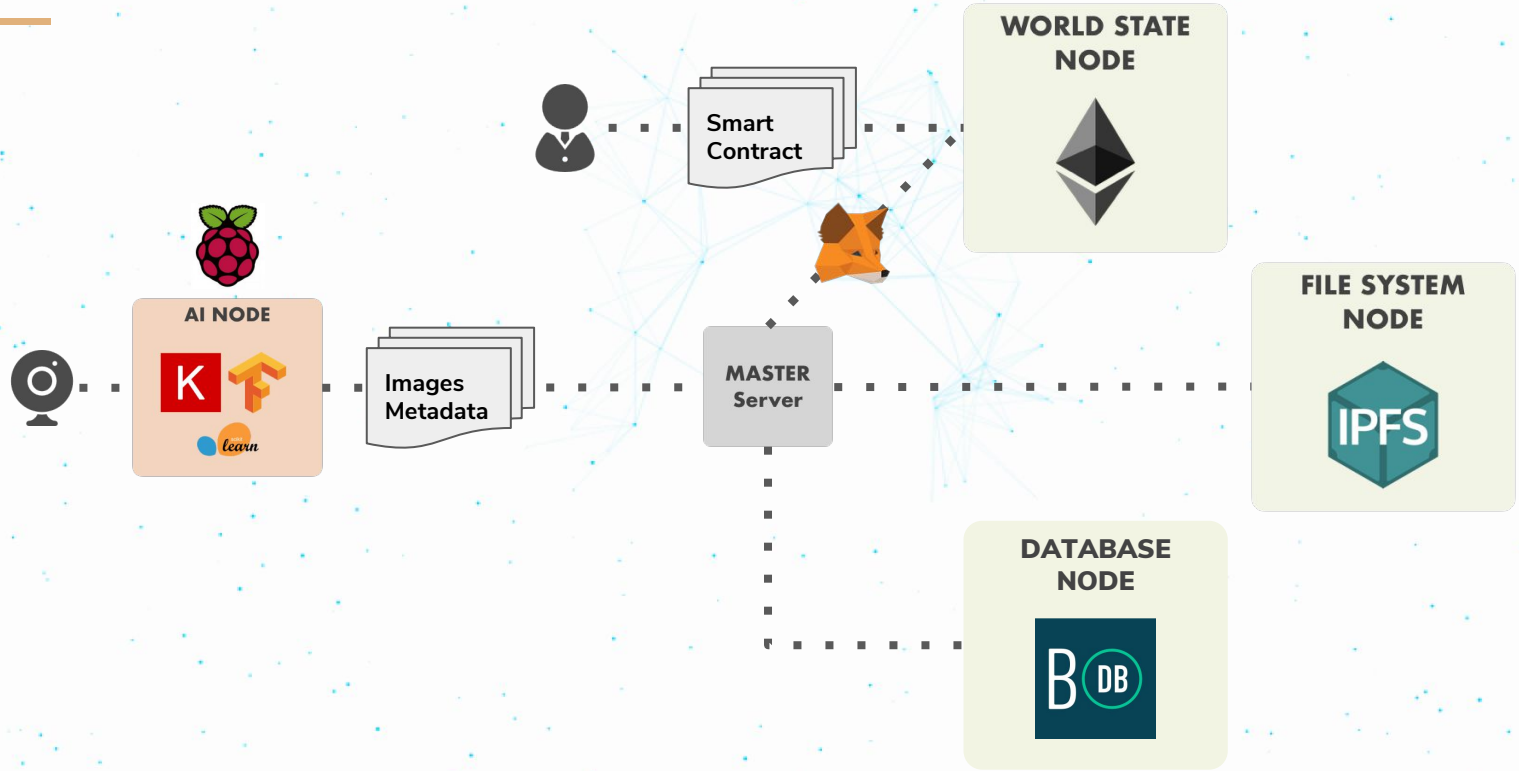
Smart Space Usecase /
TCR (Token Curated Registry)

Smart Space Usecase



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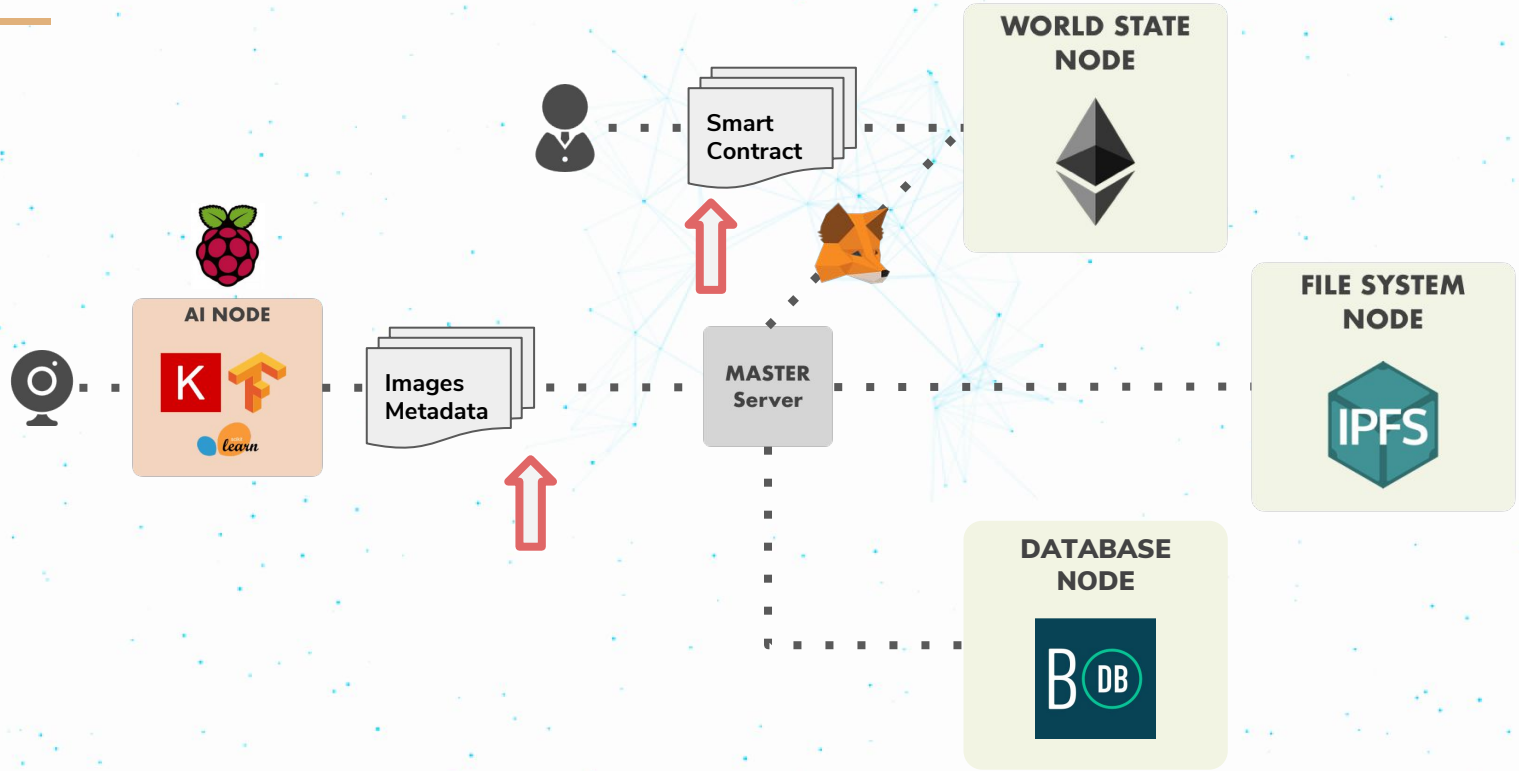
Smart Space Usecase



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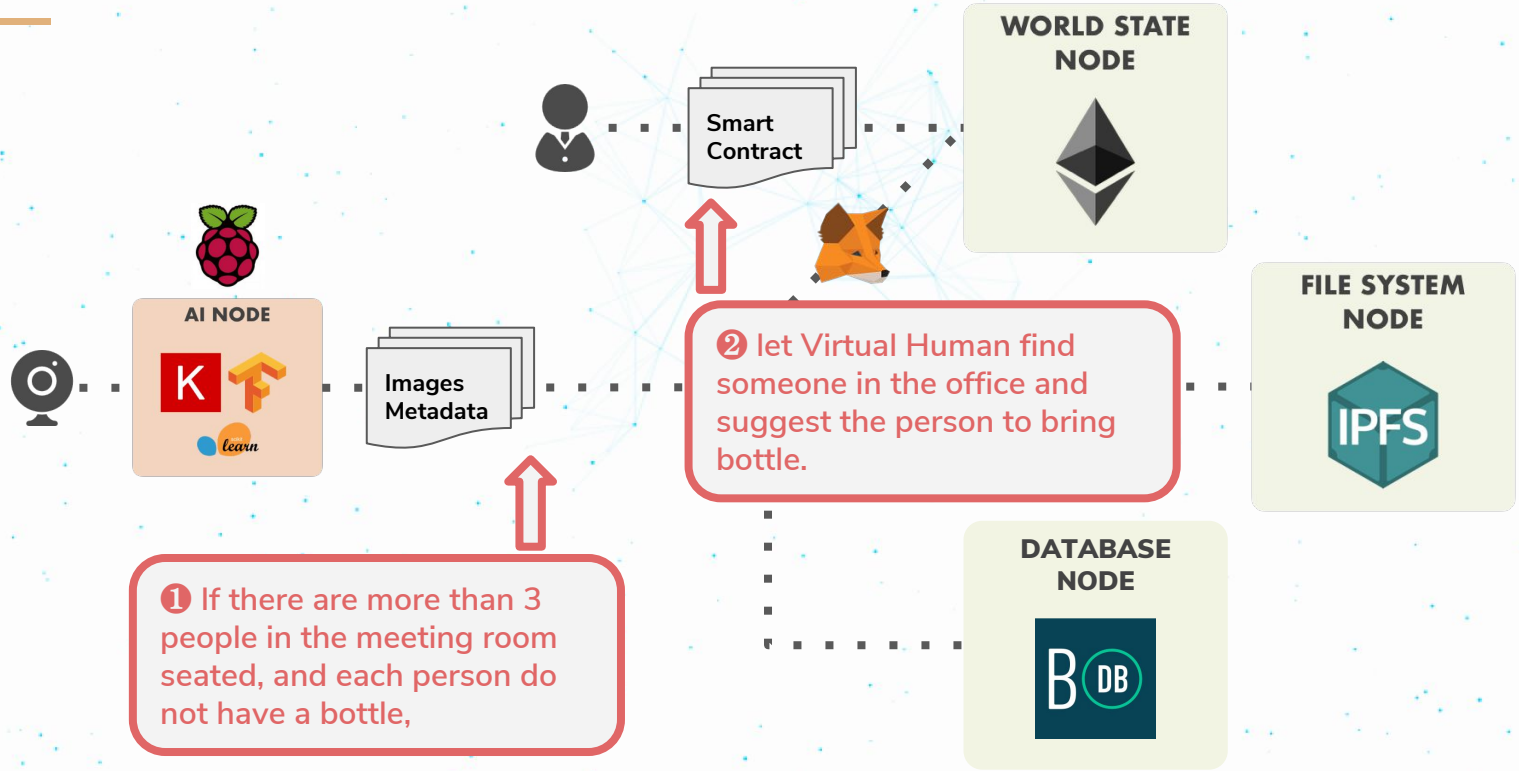
Smart Space Usecase



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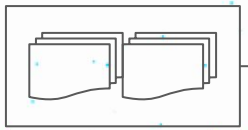
TCR (Token Curated Registry) w/Ocean Protocol

new TokenCuratedRegistry(
schellingpoint="Best Virtual Human Customer Service")

`propose (algorithm)`



300 Tokens

(stake)

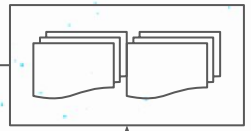
```
class TokenCuratedRegistry
      def propose(algorithm)
      def challenge(proposal)
      def vote(challenge)
```

Function	status
Smile	"Proposed"
Rude	"Challenged"
Remember Your name	"OK"
Recognize your emotion	"OK"

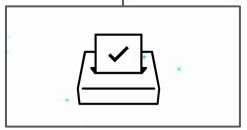
300 Tokens

(challenge)

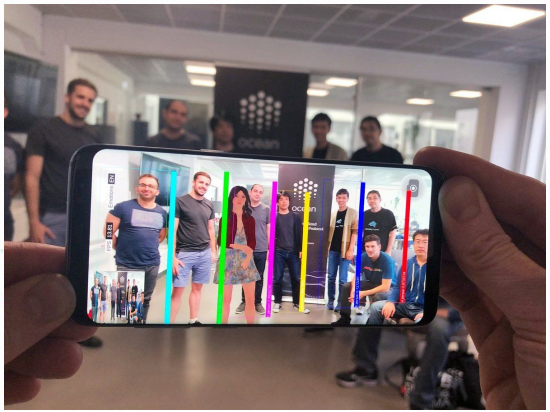
`challenge(proposal)`



10 Tokens
(weight)



`vote(challenge)`



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Connectome Market

Comprehension

- Machine Learning
- Deep Learning

Decision Making

- Appearance
- Personality

Virtual Human Agent **Brain**	Virtual Human Agent **Interface**
• Better Algorithm • Other Features	• Better motions • Different looks

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Thank you

Kazuaki Ishiguro
Lead Blockchain Engineer
@Kazuakiishiguro

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