AI-OS : AI Operating Systems

Introduction-futuristic point of view of AIOSs

What Will We Discuss?

01 Definitions

AGI vs. AWI

02 Infrastructures

History of computing machines

03 IOT

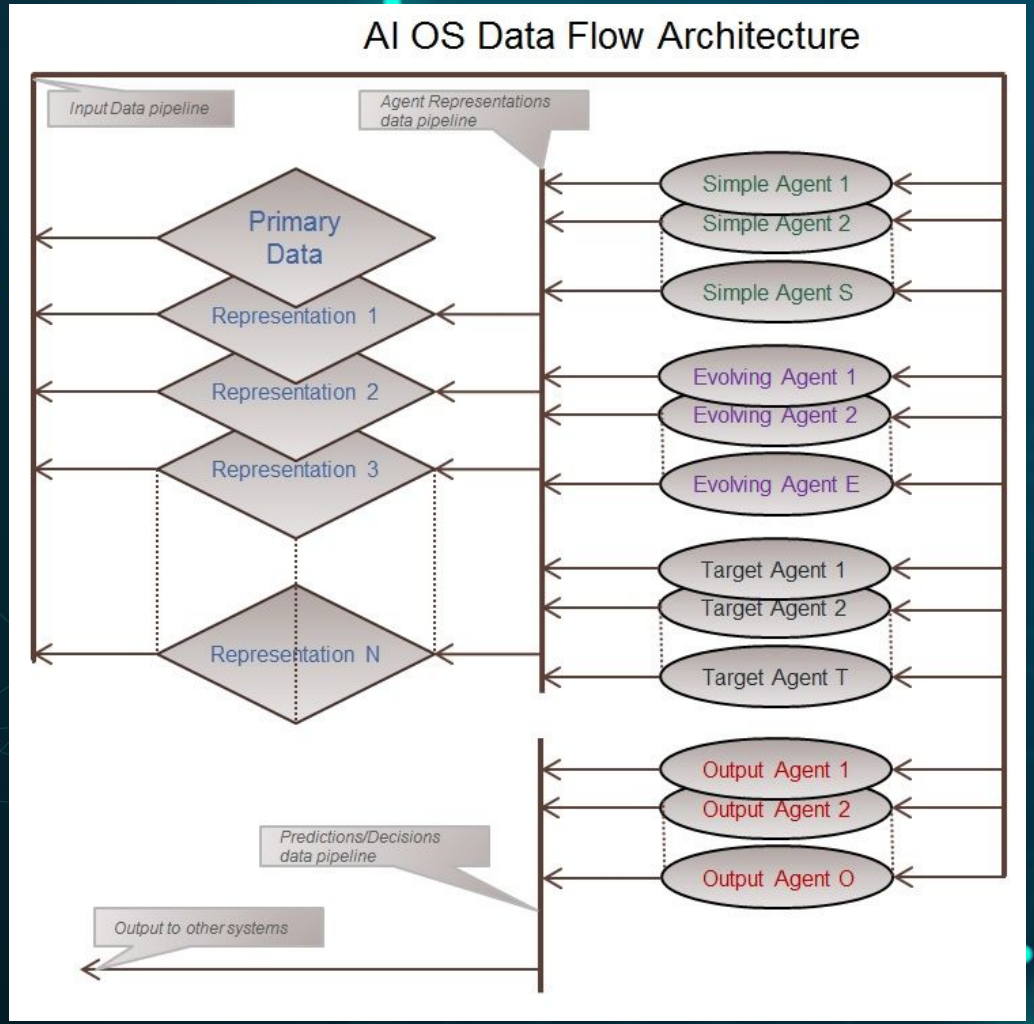
Hive Mind vs. Network Mind

04 Future

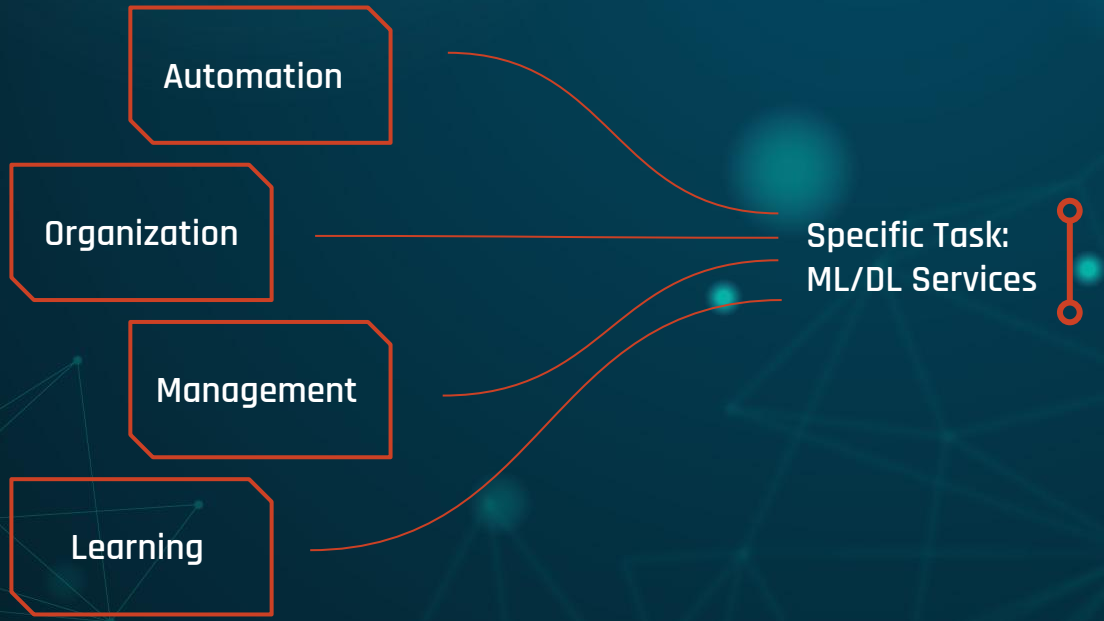
Definitions

1- An artificial intelligence operating system (AIOS) is a form of system software that manages computer hardware and software resources and provides common services for computer programs via general artificial intelligence. The AI operating system is a component of the system software in a computer system.

2- AI OS provides an intelligent framework for data science process, feature engineering and for creating AI/ML based applications driven by data.


AI OS Data Flow Architecture
Input Data pipeline
Agent Representations data pipeline
Primary Data
Representation 1
Representation 2
Representation 3
Representation N
Simple Agent 1
Simple Agent 2
Simple Agent S
Evolving Agent 1
Evolving Agent 2
Evolving Agent E
Target Agent 1
Target Agent 2
Target Agent T
Output Agent 1
Output Agent 2
Output Agent O
Predictions/Decisions data pipeline
Output to other systems

- Aichoo AIOS
- BlackSwan tech.
- Algorithmia



What are we looking for ?

Weak AI

An AI which is doing an specific task and limited abilities

All of the AI we are working with nowadays

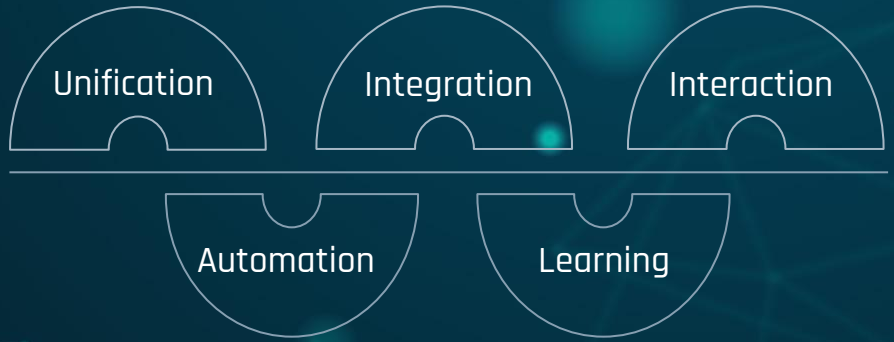
Strong AI (also known as AGI)

An AI that understand itself well-enough to self-improve. It can modify itself in a optimization way and is a good decision-maker for all cognitive task.

Automation
Self-awareness
Speech synthesis
Learning
Reasoning and Decision making
Planning, Scheduling, and Management

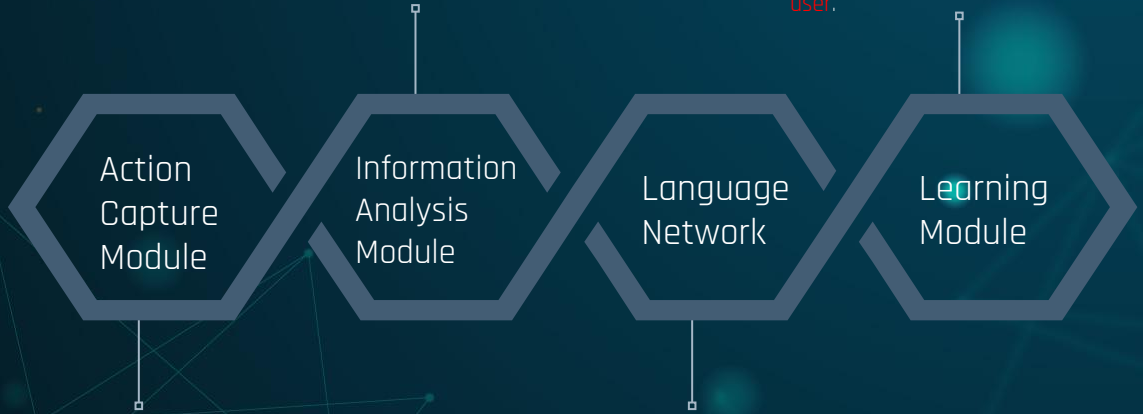
AiroCorp | FIOS

Jarvis



This module implements a set of algorithms (collective learning methods, Statistical and analytical methods and Graph based information mapping) to find out precise points and conclusions for the implementation.

This module implements a weight balancing neural network to establish a good learning system. All the data observed is used by this core to implement and converted into rules to be implemented fully or partially in the next sequence. This way the OS itself keeps getting better in all aspects with learning from its user.



records all vital data sources and creates a repository of action history of a brief time. Also monitors your browser habits, file organization and basically everything you do with your system.

A neural network, always updating itself and working in collaboration of scripts and grammar formulas to provide a rich personal experience when working with the voice and personal input methods.

Infrastructures

Hive Mind

Is a group where they can share their experiences, thoughts, processes or some mixture. But they can work, think, etc. independently when disconnected.

Network Mind

Normally connected to a central location. The only difference between is that they cannot work independently without connecting to group.

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THANKS!

Do you have any questions?

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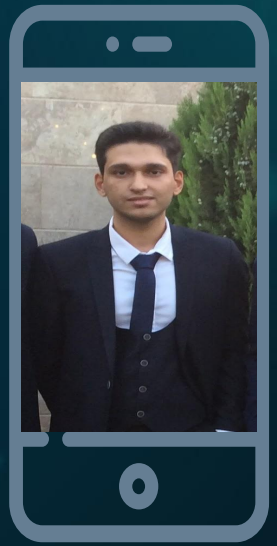

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