

AIOS

APPLICATIONS:

Intelligent Virtual Assistants
Electronic Advisors
Software Robots
Self Learning
Chatbots
Offer Engines

INDUSTRY USE CASES:

Financial
Insurance
High Technology
Healthcare
Pharmaceuticals
Retail
Travel
Telecom
Media
Energy

CORE COMPONENTS:

Deep and reinforcement learning, real-time computational grid, mobile agents, distributed file system, in-memory data grid, cluster resource manager, job scheduler, message broker, text analytics, natural language processing and understanding, speech recognition and synthesis, computer vision, OCR, logic programming, rules engine, business process manager, SAP and Salesforce connectors, document store.

LANGUAGES INCLUDED:

R, Prolog, DRL, Java, Scala, Python

CONTACT :

nTeligence Corporation
Sales Department
email: info@nteligence.com
telephone: 609-651-0070

PRODUCT OVERVIEW

AIOS is an Artificial Intelligence Operating System. It seamlessly combines intelligent process automation (IPA), machine learning (ML), natural language understanding (NLU), and operational decision management (ODM). It was designed to be a comprehensive, fully integrated environment upon which to build a new generation AI 2.0 applications. **AIOS** enables organizations to consolidate all their AI initiatives (and vendors) onto a single, platform that adheres to industry standards, and is based upon time proven, widely adopted, open source software initiatives.

Applications you build with **AIOS** can make recommendations using either machine learning algorithms or human like thought processes individually. Or it can seamlessly combine both approaches together simultaneously, into a new and improved form of Hybrid Intelligence™. This software architecture supports the best of both the art, and the science, of decision making.

AIOS can learn in many different ways. The first is by finding hidden patterns contained within structured or unstructured data. The second is simply by talking to human experts. Next it can read and comprehend printed texts within limited domains. Lastly, it can grow smarter through its own previous experiences.

AIOS can directly interface with the outside world. One way is by receiving events generated by sensors through a message broker. It can also see and interpret images and printed text, using computer vision and optical character recognition. Most importantly though, it can speak and fully understand plain English, using True Meaning™ technology, allowing it to converse with people and build rapport.

AIOS runs at the very edge of the computer network, so that decisions can always be made in a millisecond, without an internet connection, or any dependency on a public cloud computing service provider. Just as importantly though, it is deployed behind its own firewall, within a hardened Linux OS, on custom built appliances manufactured by nTeligence Corp.

The environment exposes a reusable framework to software engineers that simplifies AI programming concepts. This allows them to focus solely on the business requirements, and meeting development deadlines, rather than on the technical details of integrating the diverse technologies included within the platform.