

AIOS

APPLICATIONS:

Intelligent Virtual Assistants
Digital Advisors
Software Robots
Machine Learning
Chatbots
Intelligent Process Automation
Recommendation Engines

INDUSTRY USE CASES:

Financial
Insurance
High Technology
Healthcare
Pharmaceuticals
Retail
Travel
Telecom
Media
Energy

CORE COMPONENTS:

Deep, graph, and reinforcement learning, computational grid, mobile agents, distributed file system, in-memory data grid, graph database, cluster resource manager, job scheduler, message broker, natural language processing and understanding, WordNet, speech recognition, speech synthesis, computer vision, OCR, logic programming, rules engine, model lifecycle manager, model explanation facility, version control for data, business process manager, SAP and Salesforce connectors

LANGUAGES INCLUDED:

Python, Prolog, DRL, Java, Scala

CONTACT:

nTeligence Corporation
Sales Department
Email: info@nteligence.com
Telephone: 609-651-0070

PRODUCT OVERVIEW

AIOS is an integrated platform that seamlessly combines intelligent process automation (IPA), machine learning (ML), natural language understanding (NLU), and operational decision management (ODM). It will enable your organization to build smarter “AI 2.0” applications. Allowing you to gain a clear competitive advantage within your industry. **AIOS** facilitates vendor consolidation by providing a comprehensive, turnkey, lower cost, lower risk, AI environment that is based upon industry standard, time proven, widely adopted, open-source software (OSS) initiatives.

Applications you build with **AIOS** can make recommendations using either machine learning algorithms or the simulation of human like thought processes. Or it can simultaneously combine both approaches together in real-time, 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 supports different modes of learning. 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 through and extract knowledge from written texts. Lastly, it can learn through its own experiences, just like people.

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 digital images and read electronic documents, using computer vision and optical character recognition. Most importantly though, it can speak and fully understand plain English, using our True Meaning™ technology. Enabling it to converse with people more naturally.

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 important, it is deployed behind its own firewall, within a hardened Linux operating system, to ensure the security of your application code, machine learning models, and knowledge graphs.

The environment exposes reusable frameworks to software engineers that simplify AI programming concepts. This allows them to spend more time focusing on the business requirements, and meeting development deadlines, rather than on the lower level details of building out AI based API's and how to integrate the diverse technologies included within the platform.