c o g n i t i o n ²

APPLICATIONS:

Intelligent Assistants
Electronic Advisors
Chatbots
Offer Engines

INDUSTRY USE CASES:

Internet
Financial
Insurance
High Technology
Healthcare
Pharmaceuticals
Retail
Travel
Telecom
Media
Energy

CORE COMPONENTS:

Deep learning, real-time computational grid, mobile agents, distributed file system, in-memory data grid, cluster resource manager, work scheduler, distributed message broker, web crawler, data mining workbench, predictive modeling, text analytics, natural language processing, speech recognition and synthesis, computer vision, OCR, business rules engine, logic programming, knowledge repository, and document store.

LANGUAGES INCLUDED:

R, Prolog, DRL, Java, Scala, Python

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PRODUCT OVERVIEW

Cognition² is an Artificial Intelligence Operating System (AIOS). It was designed to support the development of intelligent software applications within a specific domain. Applications built on the platform can function as intelligent assistants, electronic advisors, offer engines, or chatbots. The technology enables organizations to multiply the cognitive abilities, productivity, and performance of their workforce, across a broad range of job descriptions.

Cognition² has the ability to make accurate recommendations. It accomplishes this by using either machine learning algorithms, or human like reasoning, or a combination of the two. The environment includes over two hundred industry standard data analytics and predictive modeling algorithms. In addition, it also incorporates deep learning neural networks, a business rules engine and logic programming. The software architecture supports the best of both the art, and science, of decision making.

Cognition² can learn continuously, growing ever smarter. The first way is by finding subtle hidden patterns contained within data. The second is by talking to human experts. The third means is through its own "life" experiences. The last is by reading through text based documents using our True Meaning ™ technology.

Cognition² can directly interface with its environment, by receiving events generated by sensors through a distributed message broker. It can also see and interpret images, using computer vision and optical character recognition. Most importantly, it can speak and understand plain English, allowing it to converse with people and build rapport.

Depending upon your application, cognition² can store knowledge up in the cloud, or push it out to the very edge of the computer network. It provides a commercial grade cognitive computing engine, as well as a framework for building any type of intelligent application. It is designed for use by professional data scientists, knowledge engineers and software developers.

All nodes within cognition² AIOS are virtualized. Allowing it to run at scale, across all major industry hypervisors, providing enormous flexibility from an operational perspective. Just say "Deploy Now", and your application will be running in production.