

# Intelligence by Brainhat

**Brainhat is a Natural Language Processing (NLP) executive that can dispatch tasks, handle natural language events, evaluate ideas, and ask and answer questions. Because Brainhat is knowledge representation-based, it can digress within a conversation, answer questions outside the script, and keep rich context.**

**Built-in network capabilities make Brainhat a clearinghouse and consolidation point for natural language events and delegated tasks.**

## The Unique Brainhat offering

The Brainhat operating system addresses the need for knowledge-based "conscious computing" that can replicate human thought more closely than traditional sequential programming. Programming with the Brainhat system involves creating a vocabulary for the desired application, building scenarios to facilitate reasoning, and other activities designed to establish a knowledge base that can be used to perform functions ranging from launching tasks to evaluating ideas

Brainhat can improve the ability of automated personal assistants, kiosks, switchboards, help desks and other applications to respond to user inquiries by equipping those systems with the power to understand and reason in English. It can also simplify programming for computer and robotic tasks by permitting software engineers and robotic technicians to express commands in natural language rather than algorithms. In addition, it

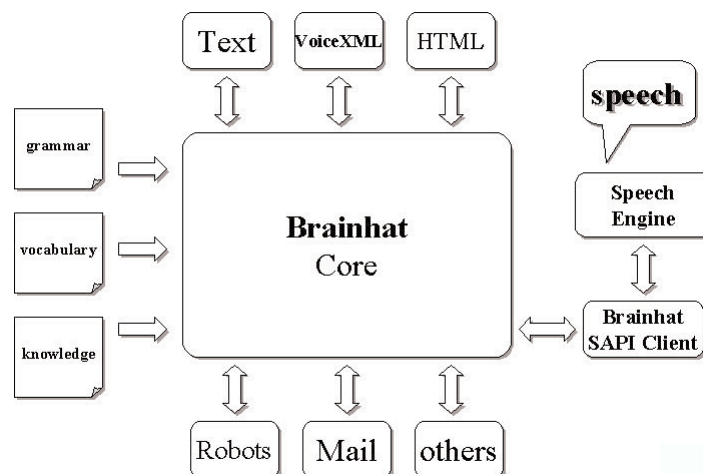
can enable peer systems and machines to communicate among themselves in English.

## The Technology Powering Brainhat

Brainhat supports Linux and Windows 98/NT/2000. It comes with clients that support SAPI and other 3rd party APIs. It also supports VoiceXML, a standard that extends HTML to permit online voice interaction, and includes an API that supports extensions permitting interaction with robots and other external processes.

**The dedication to the advancement of knowledge-based, natural language computing that allows humans and machines to interact in a more natural manner.**

*We are Brainhat*



## Breaking Barriers

When discussing the possible applications for Brainhat, the list seems to be endless. Here are a few:

Intelligent email or instant messaging agents capable of handling text queries such as "Did a package come for me?"

Automated call attendants that can answer questions such as "Is Joe Jones there?" or "Can you give me your fax number?"

Interactive auditory guides for museum exhibitions that allow visitors to ask questions such as "Why is the statue's head missing?" or "Why did Van Gogh cut off his ear?"

Command processing for industrial robots, including the ability to send multiple messages asynchronously without sequencing as well as improvements in speech recognition by providing context.

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Interfaces permitting two phone systems to schedule a meeting or perform other functions without human intervention.

## Lets get Technical

Brainhat is a platform for building language-based systems. It can understand language, represent and manipulate knowledge, run inferences and generate output. Most of the application programming is done in English, and all the higher level computation takes place in English. Processing is associative, which means that Brainhat can follow many conversations at one time, like a person.

Natural language capability becomes powerful when one interfaces with the real world. The Brainhat core code is wrapped in interfaces to different environments, include the Web, VoiceXML, speech engines, robots and external processes and mail. All interfaces are available at the same time, and their can be multiple instances of some of the interfaces. This makes Brainhat a clearinghouse for natural language activities.

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## Discover more about BrainHat

Brainhat Corporation is dedicated to the advancement of knowledge-based, natural language computing that allows humans and machines to interact in a more natural manner. Brainhats operating system provides the first platform to bring natural language programming and a natural language interface to commercial markets. The privately held company is located in East Hartford, Connecticut.

Please visit us on the web at [www.brainhat.com](http://www.brainhat.com) to learn more about the full capabilities of Brainhat, and to demo or download the software.

