

The user types natural language command or query into an interface connected to the NanoSyntactic engine.

User Input

The engine analyses the syntactic structure of the sentence using grammar definitions and dictionary content.

Nanosyntactic Engine

Grammar Definitions & Dictionary

The sentence analysis is represented graphically by a syntactic parse tree.

Syntactic Parse Tree

The ALM turns the syntactic tree into a semantic representation and uses the semantic database to resolve ambiguities.

Advanced Language Machine (ALM)

Semantic Database

The ALM creates a simple formal language representation of the original input that is then used by computer programs to act upon the command or provide an answer.

XML Semantic Representation