

A large, dark, rounded tree stands on the peak of a grassy hill. The sky is a clear, bright blue, and a white contrail from an aircraft streaks across the upper left portion of the frame. The foreground shows the texture of the grass on the slope.

Albero

"the lean decision tree technology"

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"the lean decision tree technology"

Amsterdam, OSC 2011
Ruud van Vliet

What is it about?

- what are decision trees?
- what is Albero? + demo
- what makes Albero different?

what is Albero?

model (unit of information):

- **decision Information**
information needed for the decision
e.g.: age, net income, payment history, ...
- **result Information**
information model of the decision
e.g.: maximum mortgage allowed, additional demands
- **control Information**
information to control the working of Albero
e.g.: parser, language, traversal strategy

even more definitions ...

nodes (unit of interaction)

the unit in which decision information is collected, including the precondition under which the question is asked
e.g.: question, multipleChoiceQuestion, compoundQuestion

traversal strategy

the algorithm to determine the next node

rules

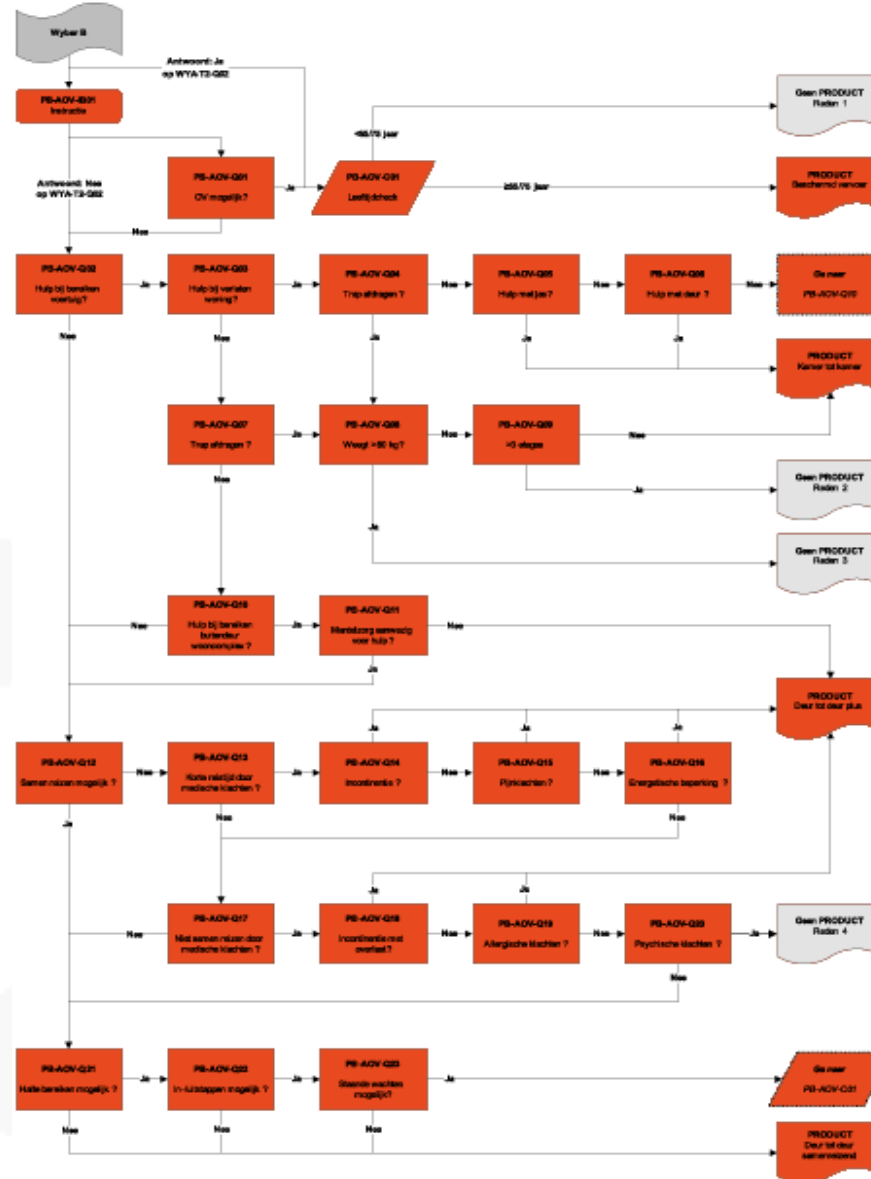
the rules to determine the results, based on the collected information

Demo



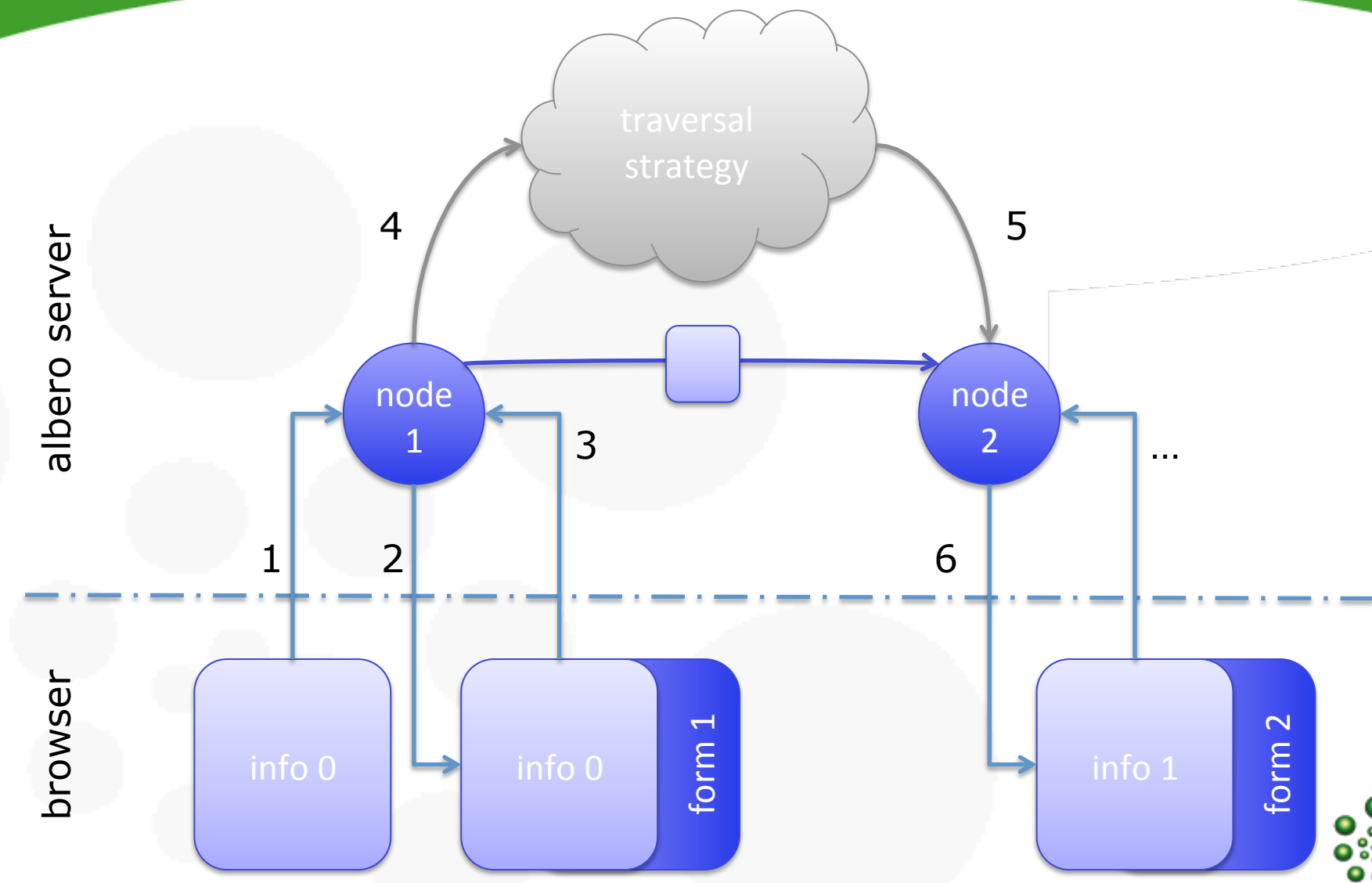
Decision trees

Questions
(nodes)

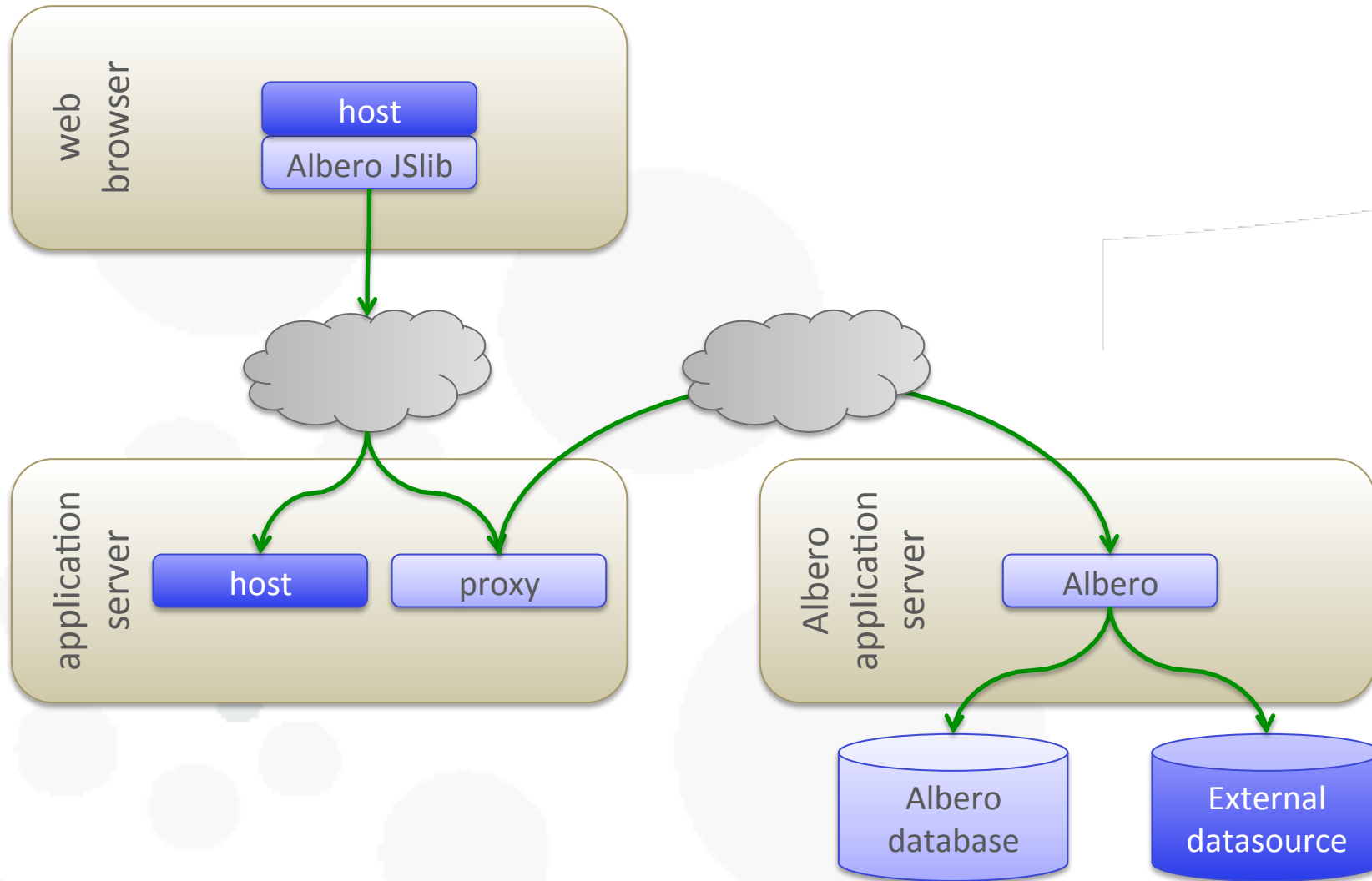


Results

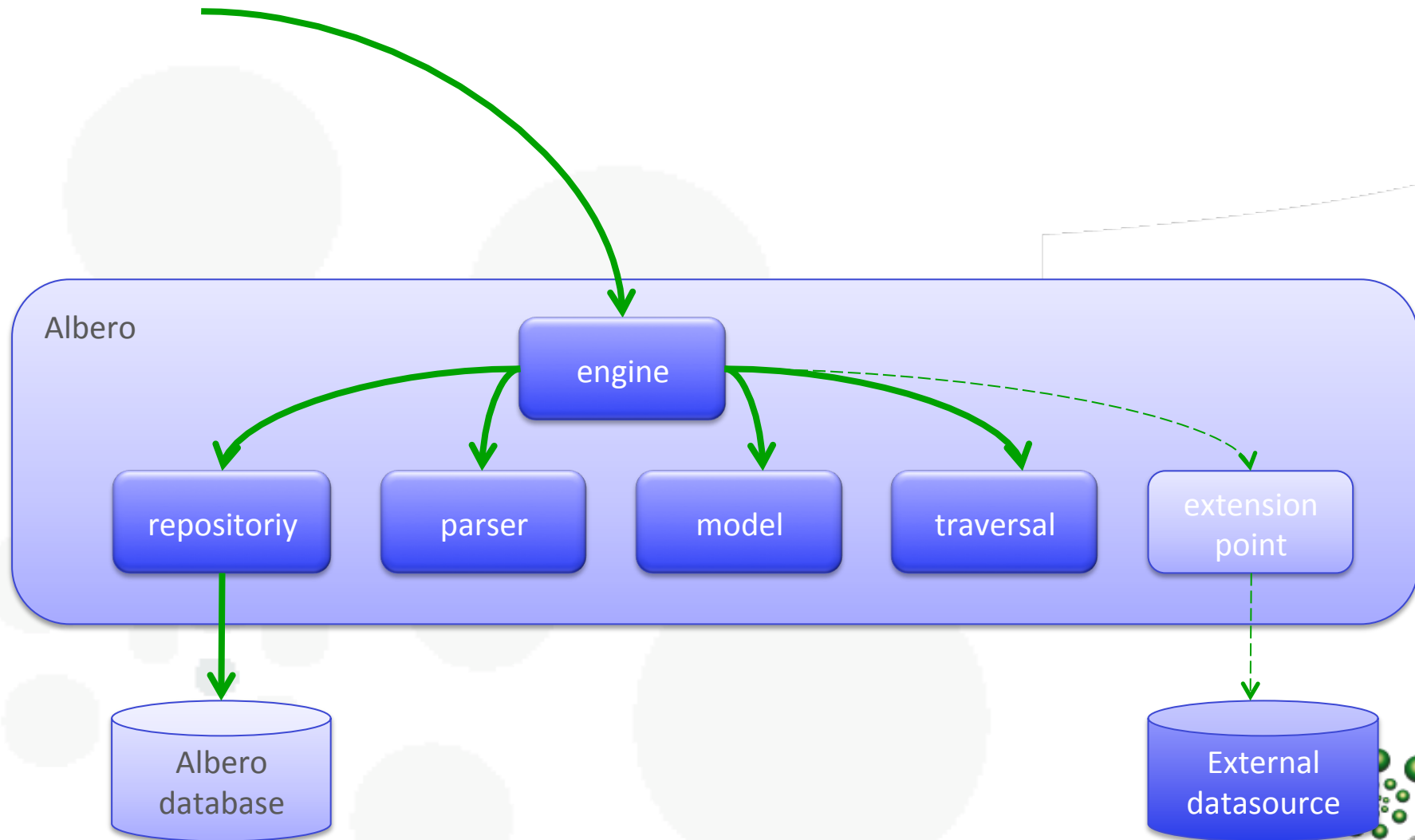
How does it work?



What does it consist of?



What does it consist of? (2)



What makes it different?

- runtime changes
 - database with textfiles
 - texts, flow and rules
- simple integration in websites
 - JSON Rest service interface
 - pre fill information
 - inspect (intermediate) results

What makes it different? (2)

- stateless, (REST) service oriented
 - horizontally scalable
 - very 'cloudable'
 - simple to understand
- extensible
 - framework
 - ready to use

and it is
open source!

<http://www.github.com/albero>