



Hyperautomation mit Policy as Code SmartRuleAI

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Herausforderungen

- Pensionierungswelle und schrumpfender Talentpool
- Traditionelle IT-Lösungsarchitektur mit maßgeschneiderten Anwendungen erschweren schnelle Umsetzung neuer Gesetze und Richtlinien
- Anforderung, neue Regeln schnell anzupassen
- KI kann helfen, aber wie soll das ethisch und transparent bei GenAI funktionieren?

Lösungsansatz Policy as Code mit SmartRuleAI

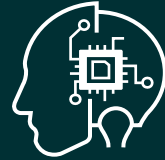


Gesetzestext

§ 3. (1) Folgende österreichische Staatsbürger können Förderungen erhalten:
ordentliche Studierende an österreichischen Universitäten
...
...
...



Text Extraktion



Knowledge Base

```
foerderwuerdig(X) IF  
oesterreichischer_staatsangehoeriger(X)  
AND studiert_an(X,Y)  
AND oesterreichische_universitaet(Y).
```

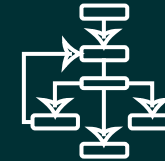


Diverse Datenquellen



Rules Engine

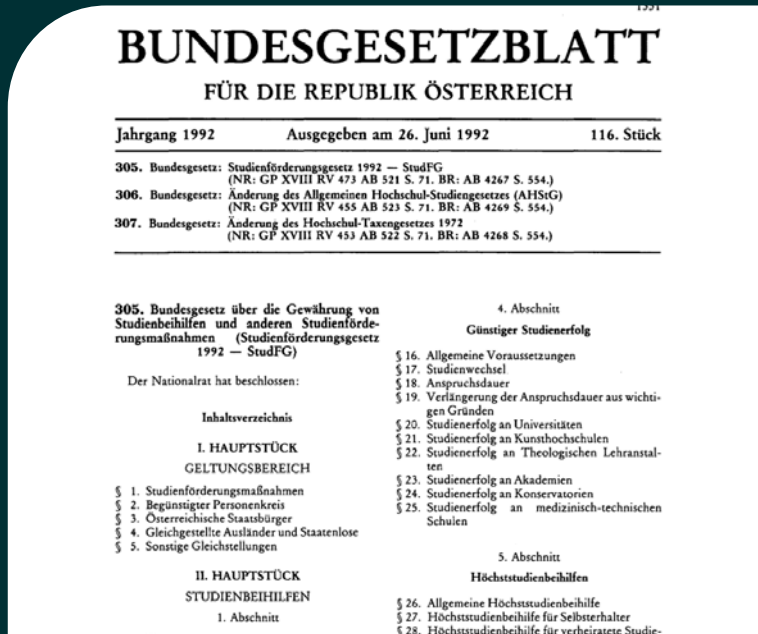
REAS,
RaFTS or
Swi PROLOG



Request

Ist Herr XYZ berechtigt
Studienbeihilfe zu beantragen?

Policy as Code SmartRuleAI - Demo



1. Extraktion der Regelwerke aus Gesetzestexten

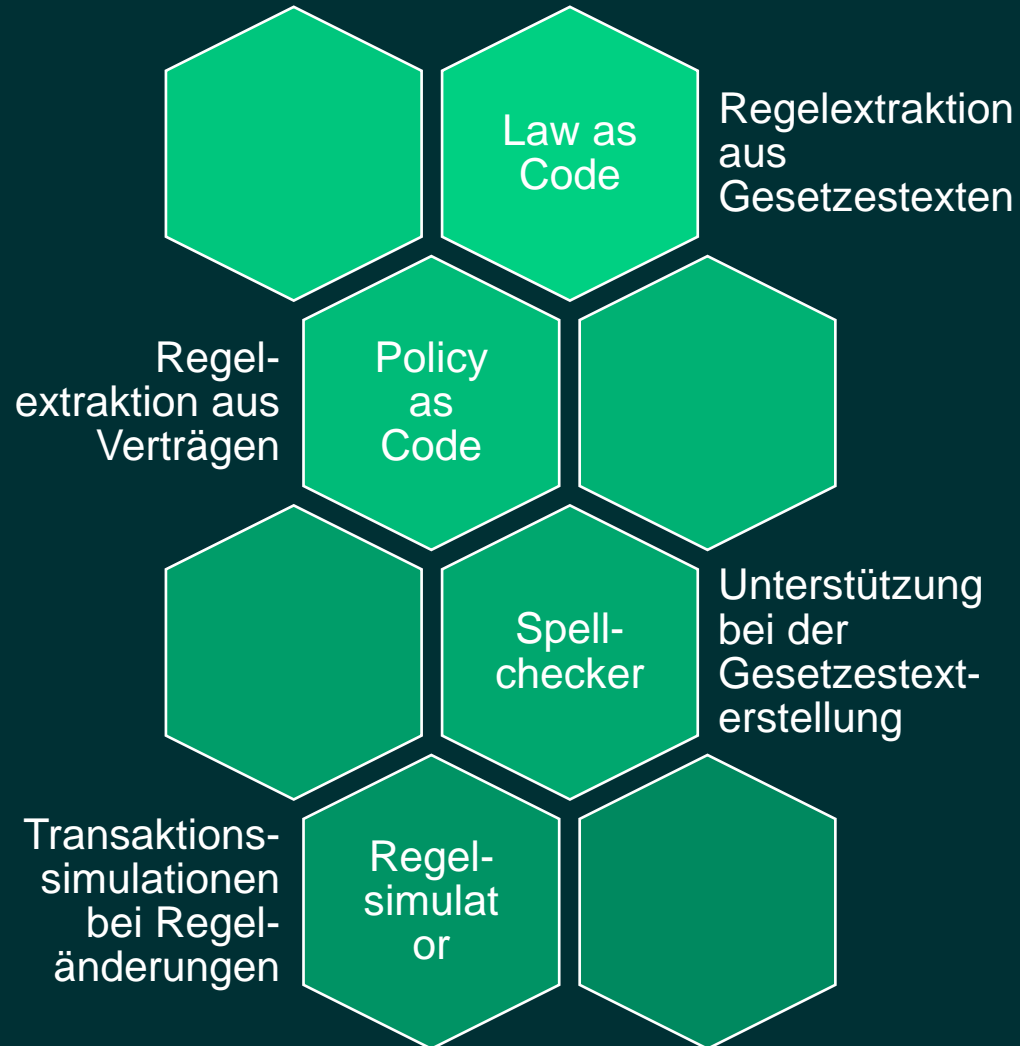


2. Prüfung und Freigabe der Regeln von Juristen oder Fachexperten bzw. Anpassung bei Bedarf



3. Verarbeitung der Regeln durch Anfrage aus einem Eingangskanal (wie z.B.: einem Chatbot oder einer Fachanwendung)

Anwendungsbeispiele für Policy as Code mit SmartRuleAI



Demo

The screenshot shows a rule configuration interface for a rule named 'family_allowance'. The interface is divided into several sections:

- Form Fields:**
 - Package Name *:** family_allowance
 - Rule Type *:** Risk (selected), Validation
 - Description:** Family allowance
 - Select Modality *:** Law As Code
 - Risk Category *:** Law as Code
 - Risk Sub Category *:** Family Allowance
 - Clients:** Client 1
 - Action *:** true
 - Level *:** 1
 - Package Threshold Score *:** 1
- Navigation:** FILTERS, RULES, RULE VIEWER
- Views:** Text View, Graphical View (selected), Prolog View
- Graphical View:**
 - Vertical Layout:** A tree diagram showing the rule structure. The root is 'Family allowance', which has a 'Pre-Conditions' block. This block contains a table with columns 'Entity', 'Field Name', 'Operator', and 'Comparison Field'. The table has one row: Entity: Person Application, Field Name: lives_in_Austria, Operator: is equals, Comparison Field: True Family Allowance. Below this, there is an 'OR' operator connecting three sub-conditions: 'Second_IF_age' (which contains 'Person.age >= 19'), 'Third_IF_part_1_studying' (which contains an 'AND' operator connecting 'Person.age < 24', 'Person.is_studying is True', and 'Person.salary <= 15000'), and 'Third_IF_part_2_social_service'.
 - Text View:** A text-based representation of the rule, titled 'family allowance § 2.'. It contains the following text:

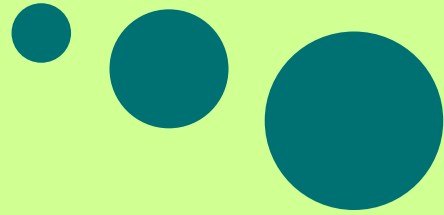
(1) Persons who have their place of residence or their habitual abode in the federal territory are entitled to family allowance,

a) for minor children,

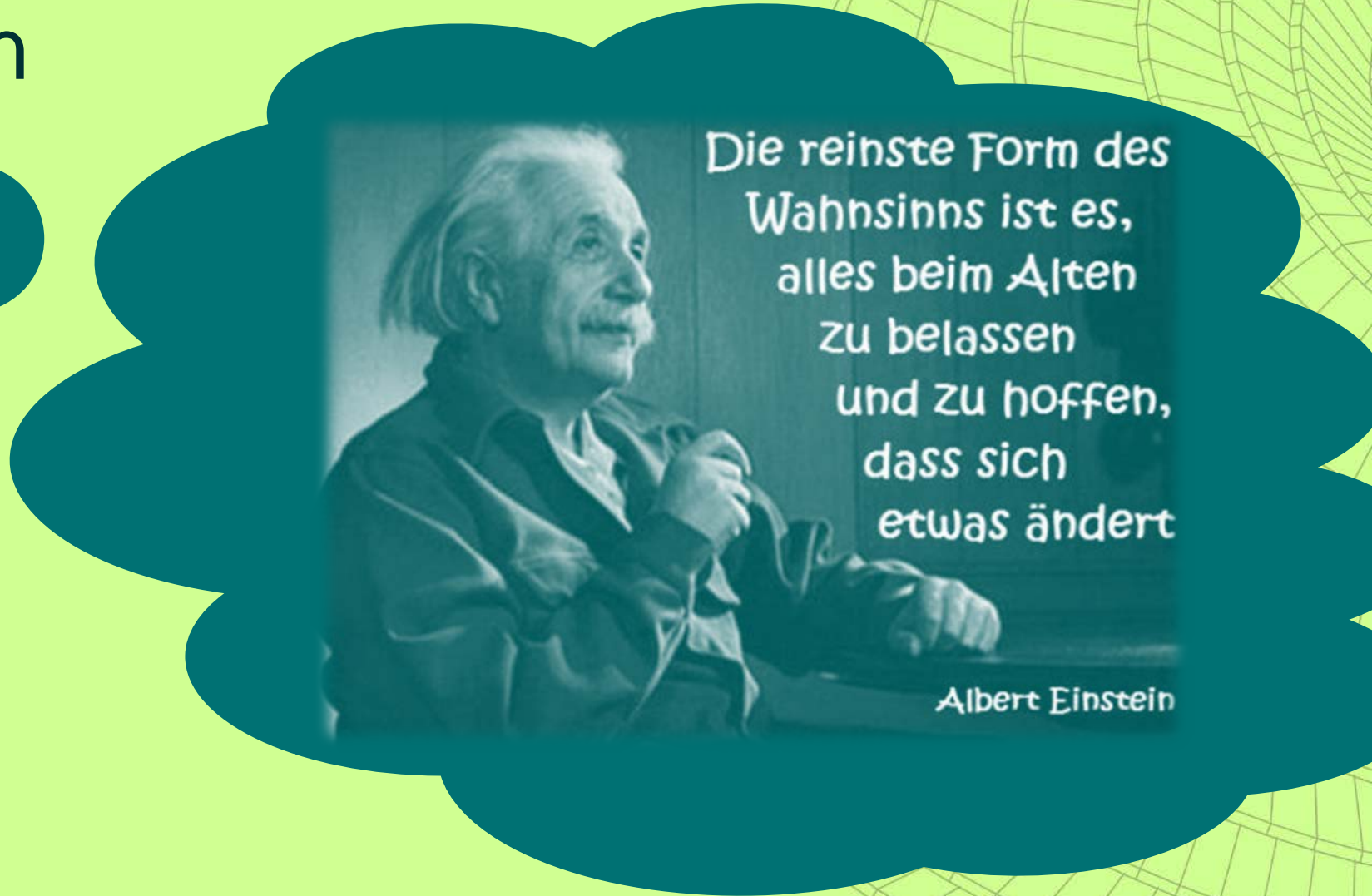
b) for adult children who have not yet reached the age of 24 and who are being trained for a profession or are being trained in a profession they have learned at a technical school if attending school means that they are unable to practice their profession. In the case of children of full age who attend a facility specified in Section 3 of the 1992 Study Support Act, Federal Law Gazette No. 305, vocational training can only be accepted if they do not exceed the planned study time per study section by more than one semester or the planned training time by no more exceed one year of training. If a study section is completed within the planned study time, a semester can be added to a further study section. The period of study is extended by an unforeseen or unavoidable event (e.g. illness) or proven study abroad. A study disability of three months results in an extension of the study period by one semester. Times as a student representative according to the 1998 Student Union Act, Federal Law Gazette I No. 22/1999, taking into account the function and the time required, up to a maximum of four semesters are not to be included in the maximum permissible period of study provided for obtaining family allowance. The same applies to the chairmen and spokespersons of the dormitory representatives according to the Student Residence Act, Federal Law Gazette No. 291/1986. The Federal Minister for the Environment, Youth and Family has to lay down the detailed requirements for this non-inclusion by ordinance. Periods of maternity protection as well as the care and upbringing of one's own child up to the age of two hamper the course of the study period. In the event of a change of course, the regulations listed in Section 17 of the 1992 Study Support Act, Federal Law Gazette No. 305, also apply to the entitlement to family allowance. Admission as a regular student is a requirement for the first year of study. Entitlement from the second year of study only exists if for a previous academic year the completion of a partial examination of the first diploma examination or the first rigorosum or examinations from compulsory and elective subjects of the pursued course of study with a total scope of eight semester hours per week or 16 ECTS points can be proven. The same applies if all courses and examinations of the introductory and orientation phase according to § 66 of the Universities Act 2002, BGBl. I No. 120/2002, have been successfully completed, provided that they are rated with at least 14 ECTS points. Proof must be provided, regardless of a change of institution or course of study, in the form of confirmations from the institutions named in Section 3 of the 1992 Study Support Act. For an



Denken Sie daran



...oder vielleicht in diesem
Falle - ... und zu hoffen,
dass sich **nichts** verändert...



Die reinste Form des
Wahnsinns ist es,
alles beim Alten
zu belassen
und zu hoffen,
dass sich
etwas ändert

Albert Einstein

Vielen Dank!



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