Visual driven database queries

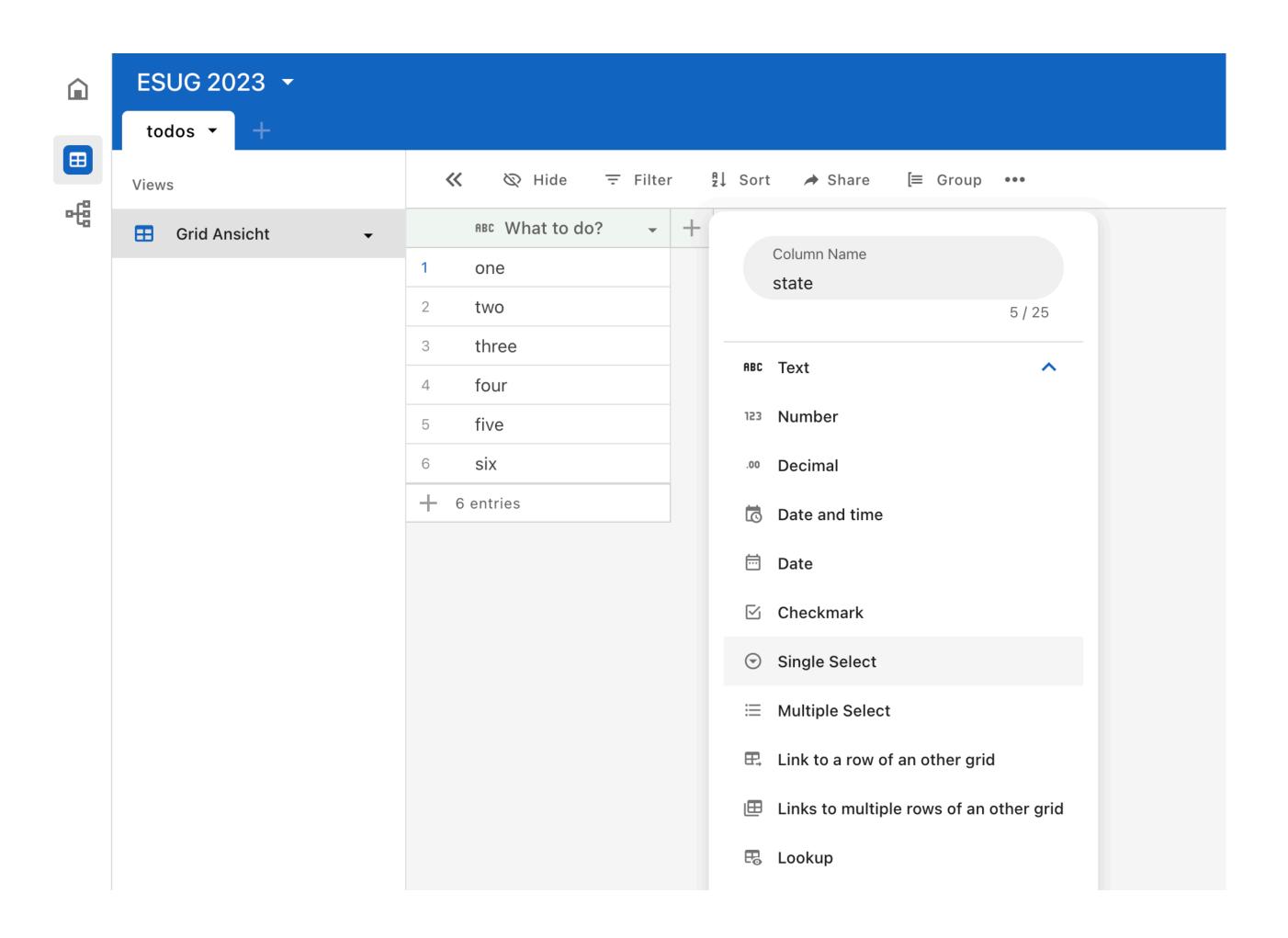
What if you want to do powerful stuff and you are using HTML



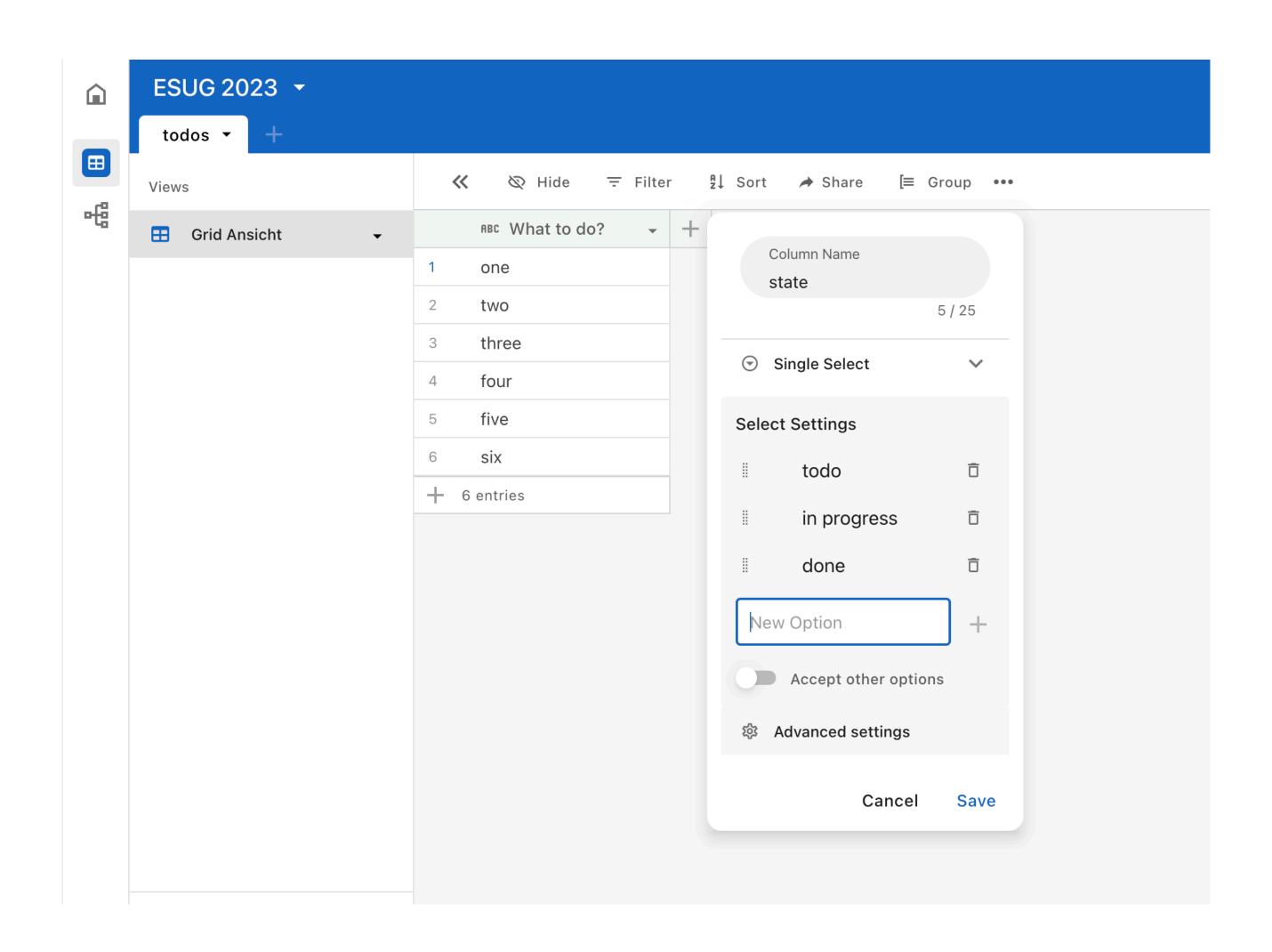
A visual database and flow management tool

visual database

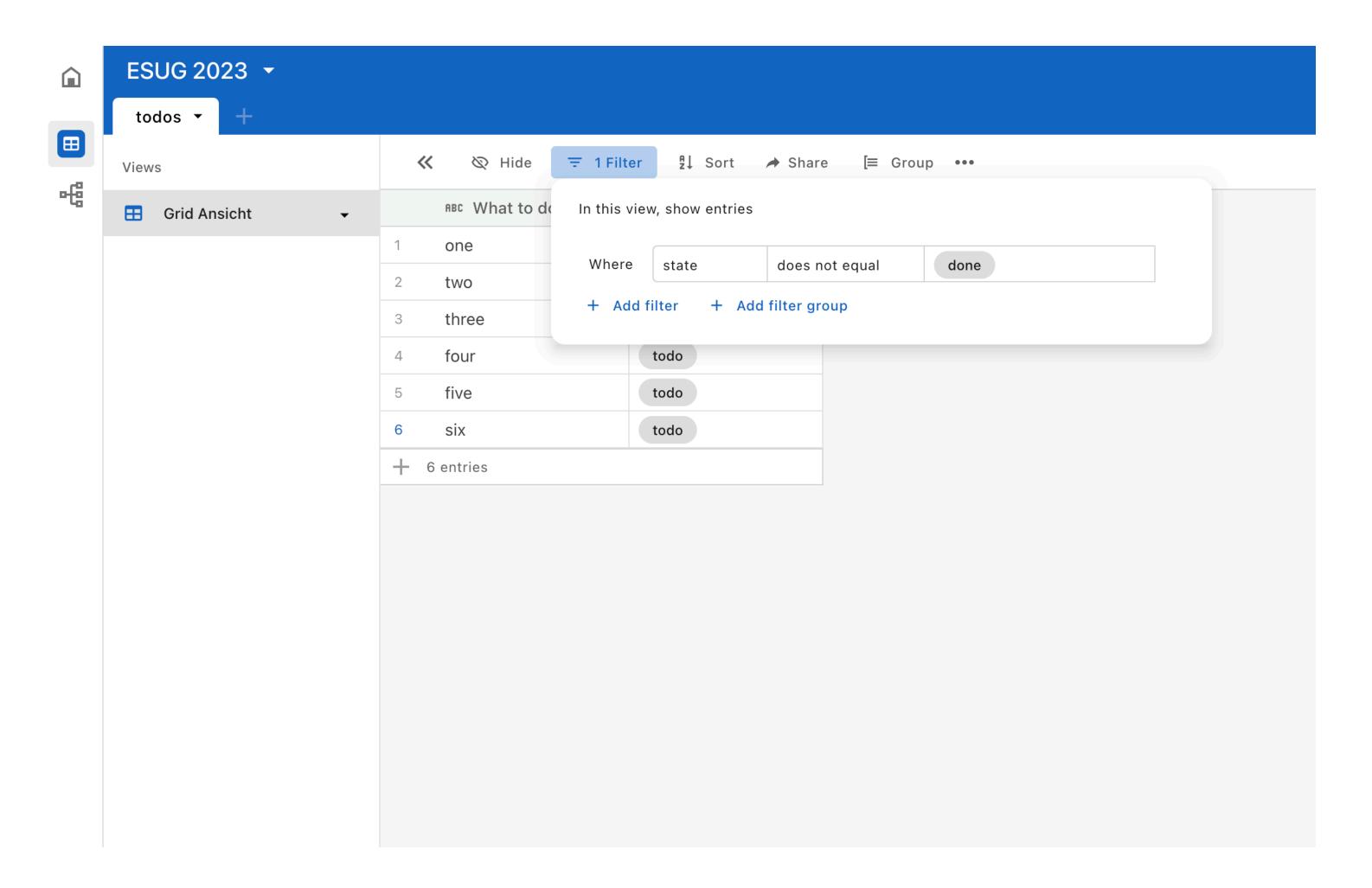
Defining a model



Defining a model - adding an enum

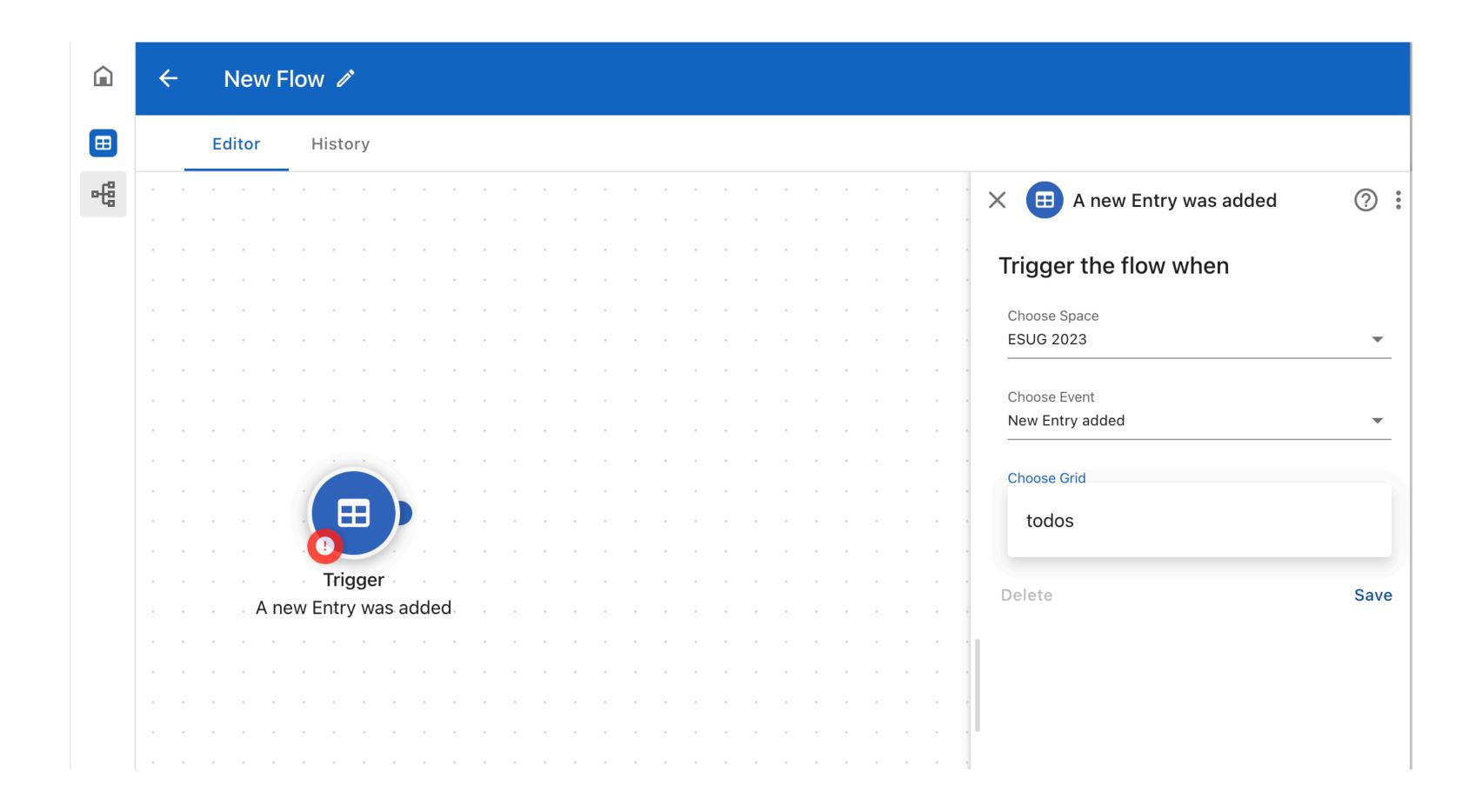


Filtering & sorting

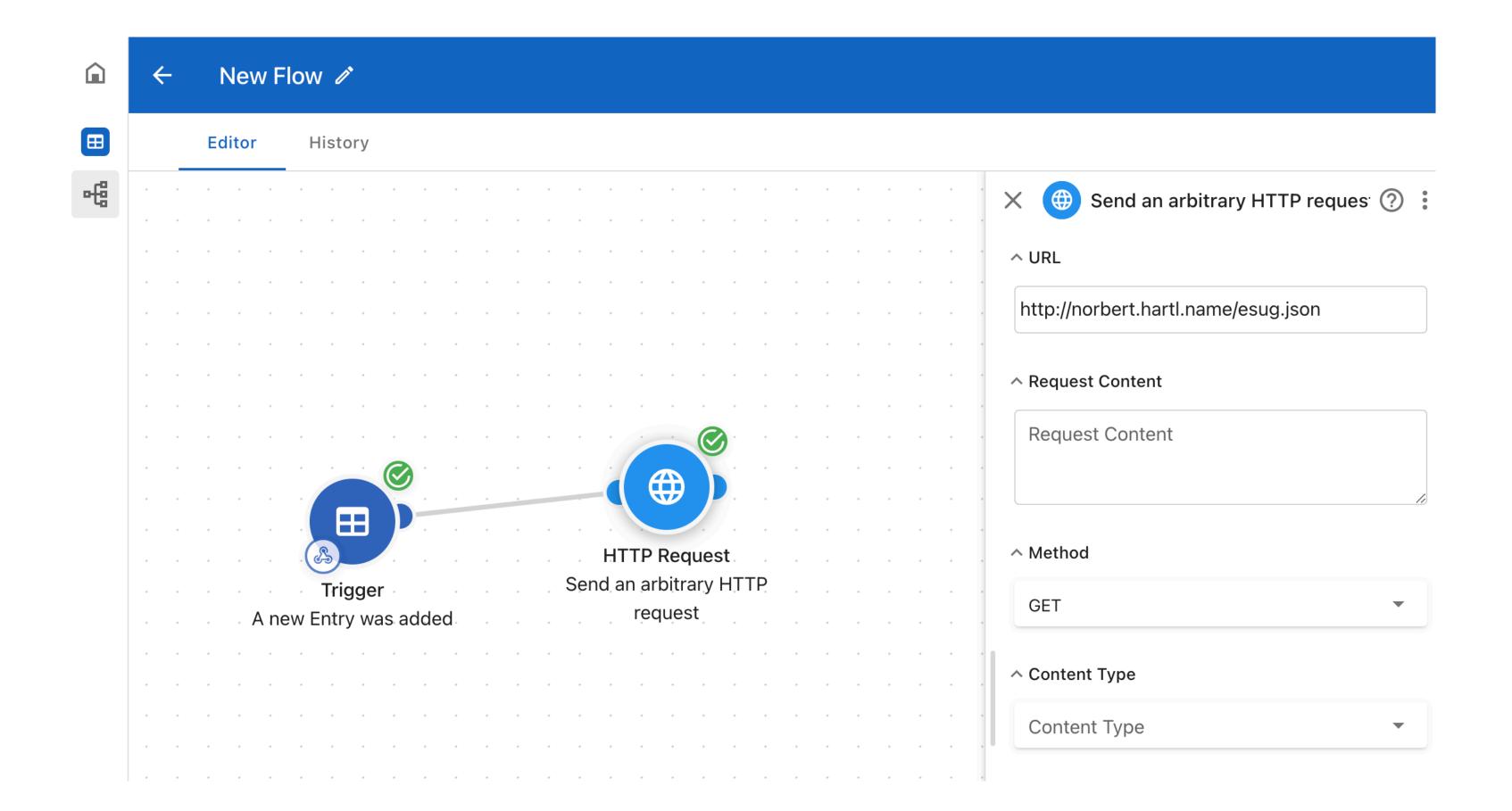


workflow engine

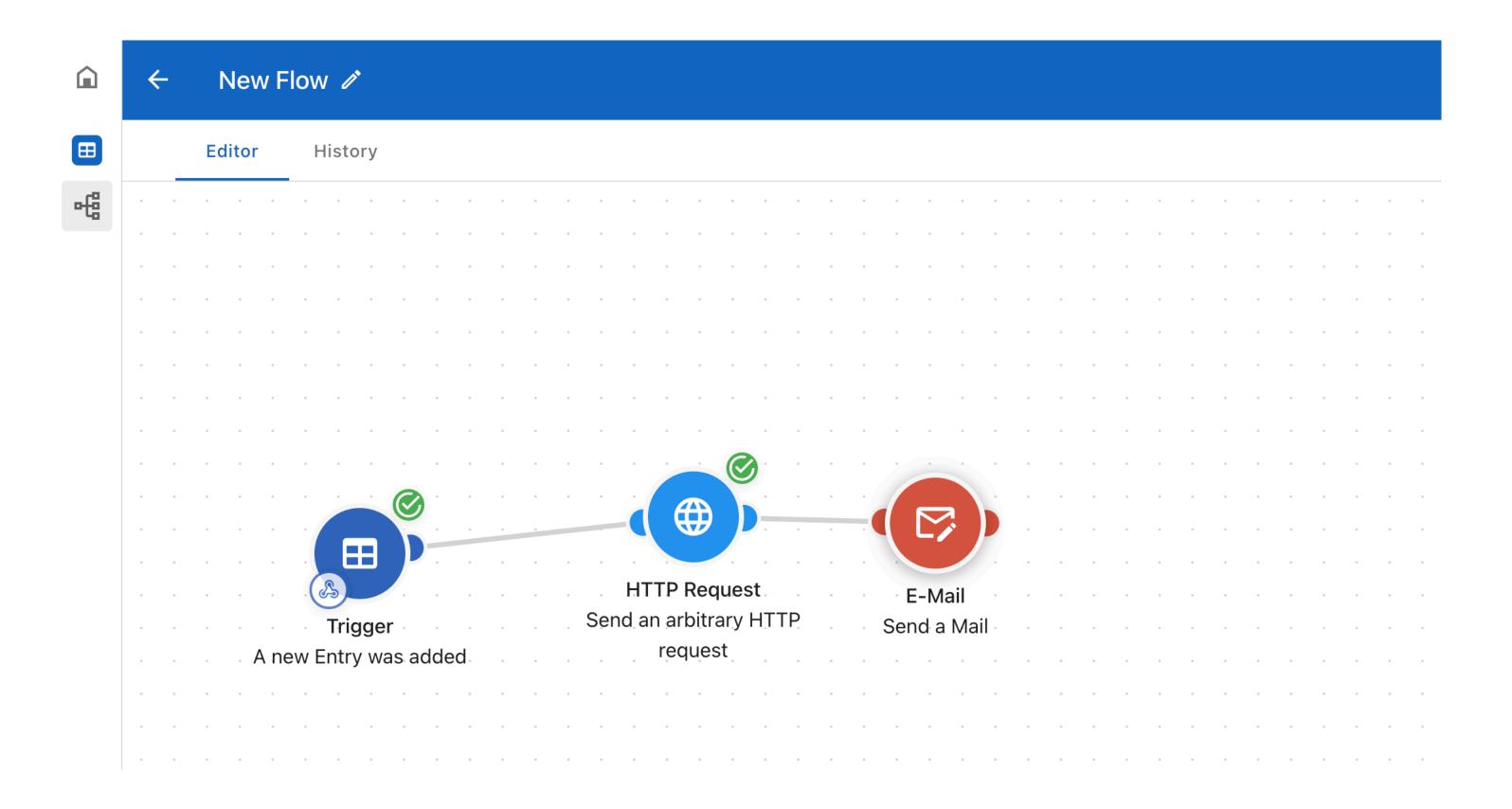
Defining a flow - a trigger



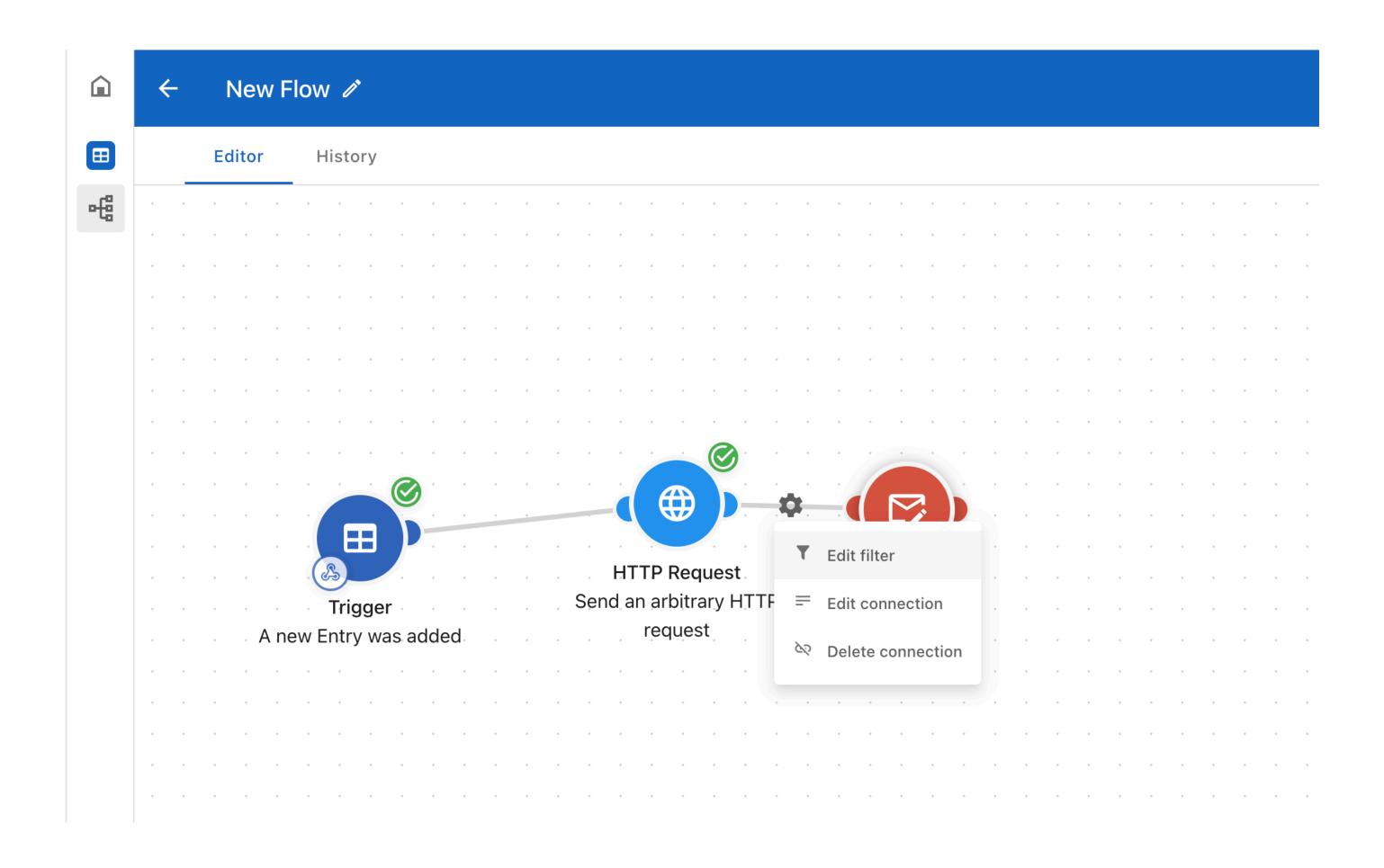
Defining a flow - do an external call



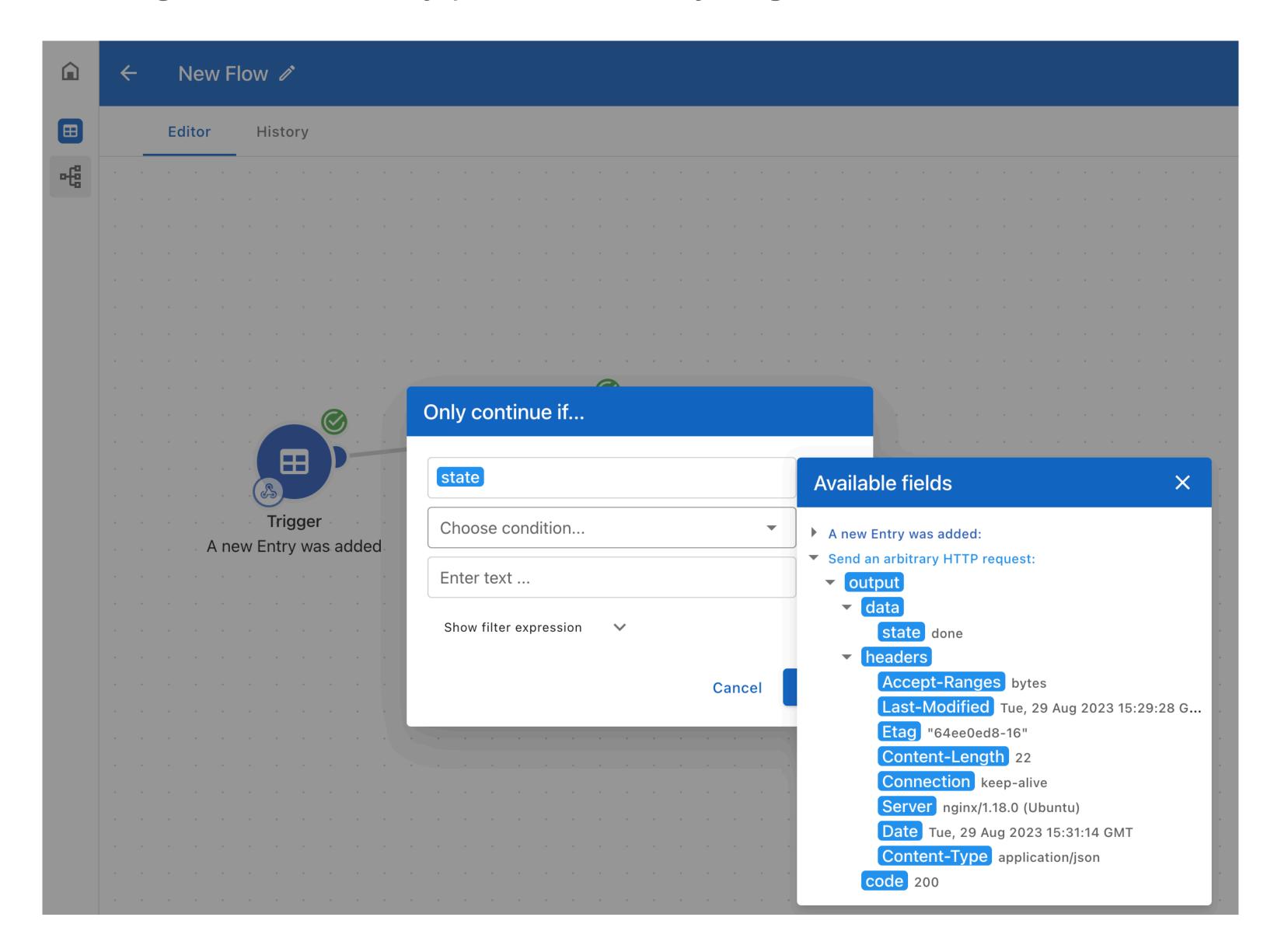
Defining a flow - send a mail ...



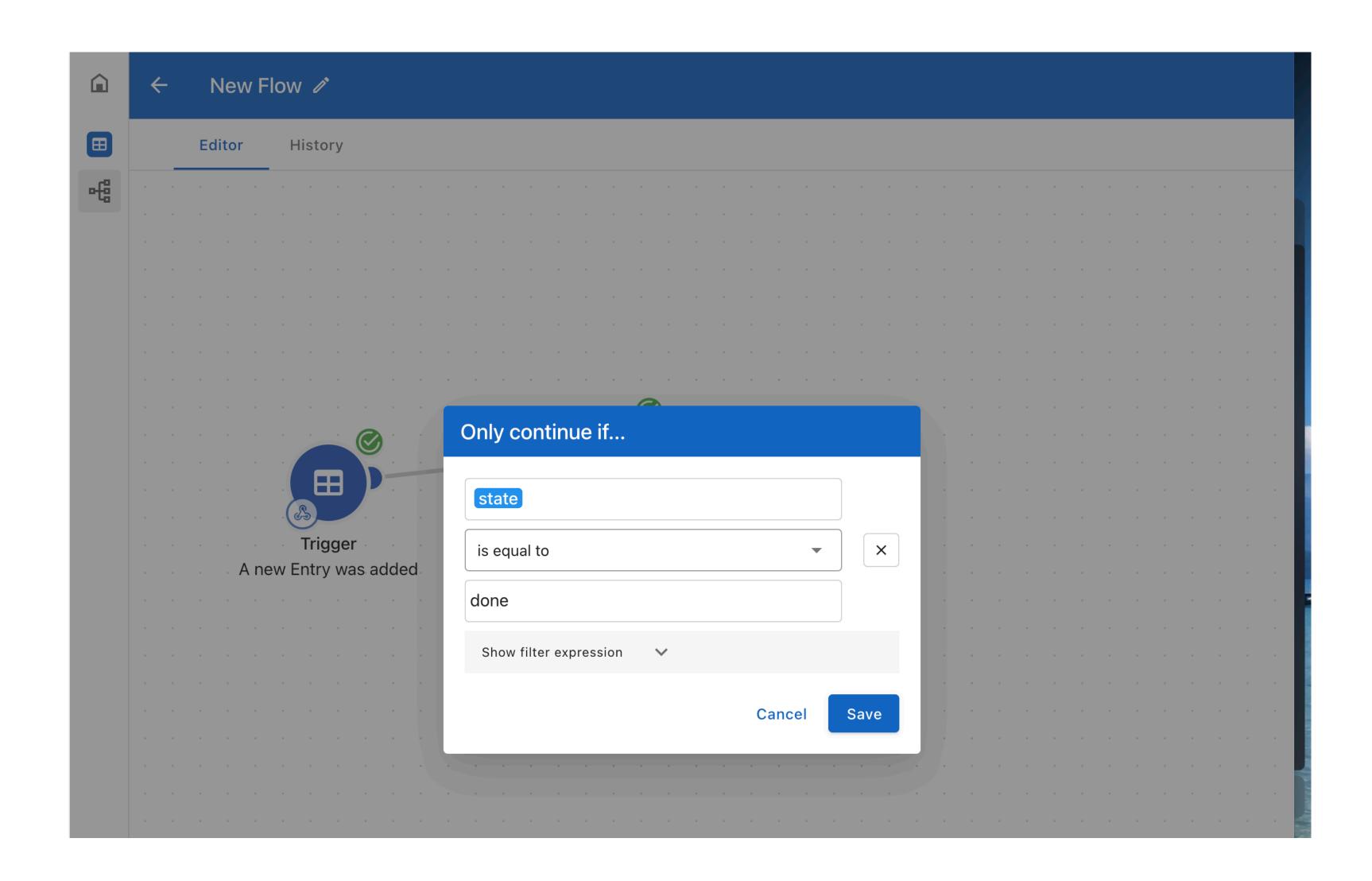
Defining a flow - ... with condition...



Defining a flow - visually pick whatever you got



Defining a flow - define condition



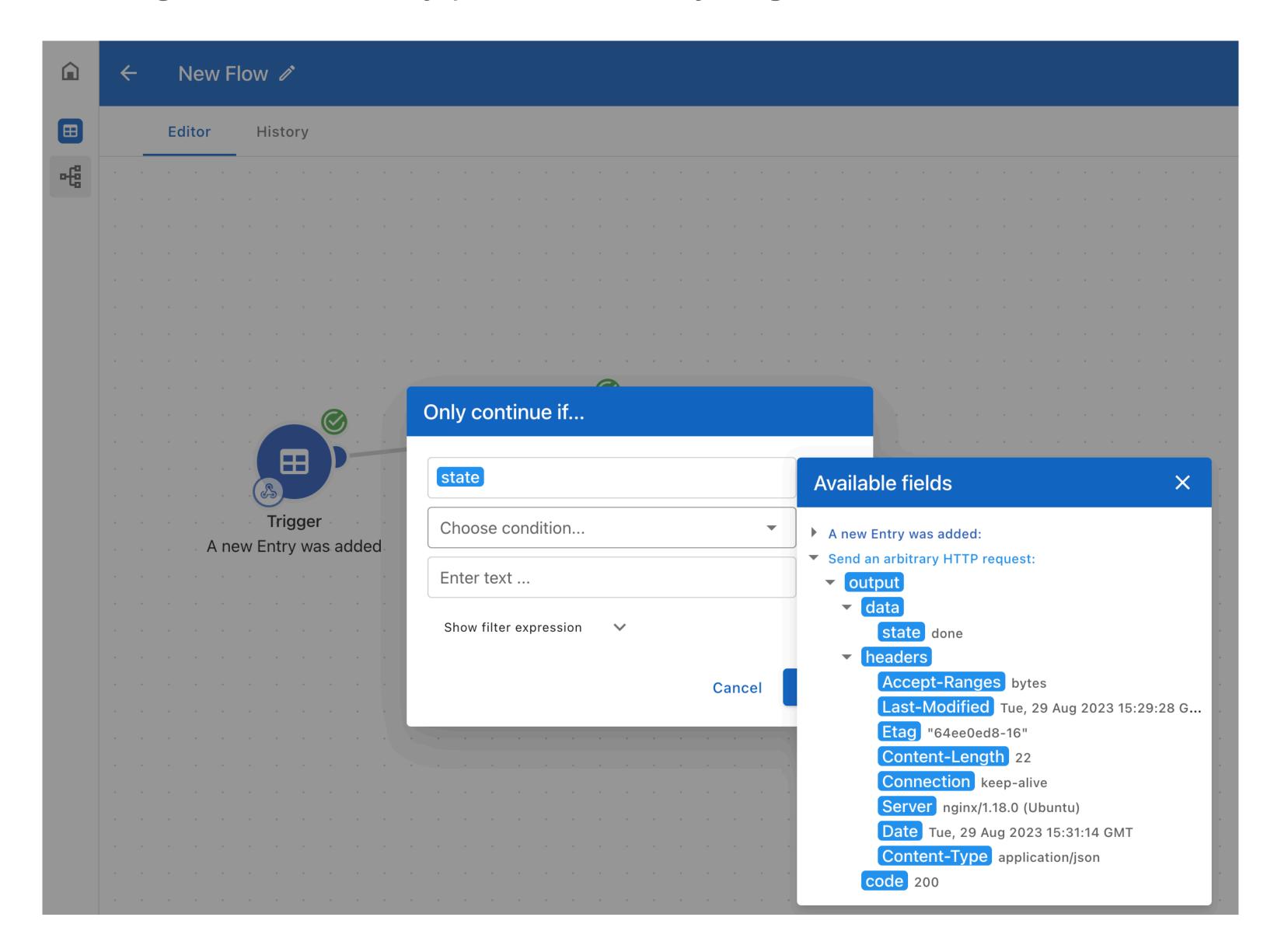
Uniform approach

- has knowledge about column types and operations
- has syntax for composing type based filters
- turns JSON into a tree that generates access path
- knows about application scope

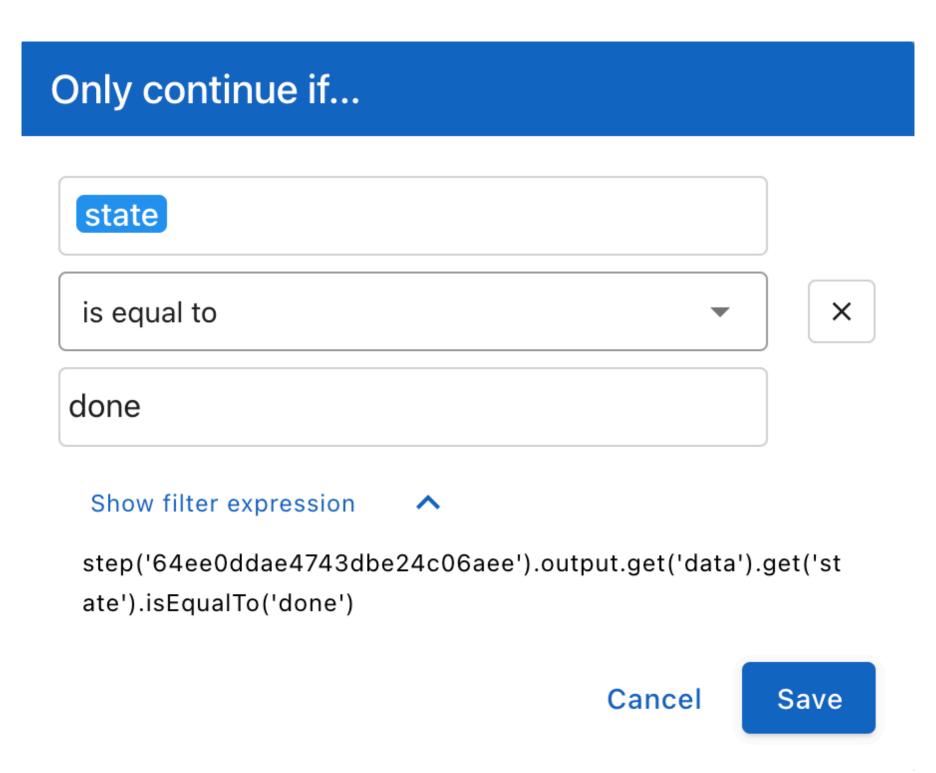
ApptiveScript

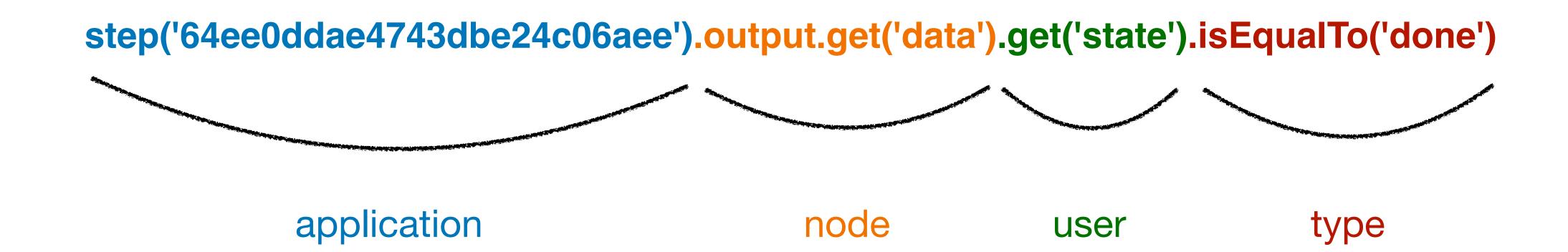
- has knowledge about column types and operations
- has syntax for composing type based filters
- turns JSON into a tree that generates access path
- knows about application scope
- is an executable DSL for ApptiveGrid

Defining a flow - visually pick whatever you got

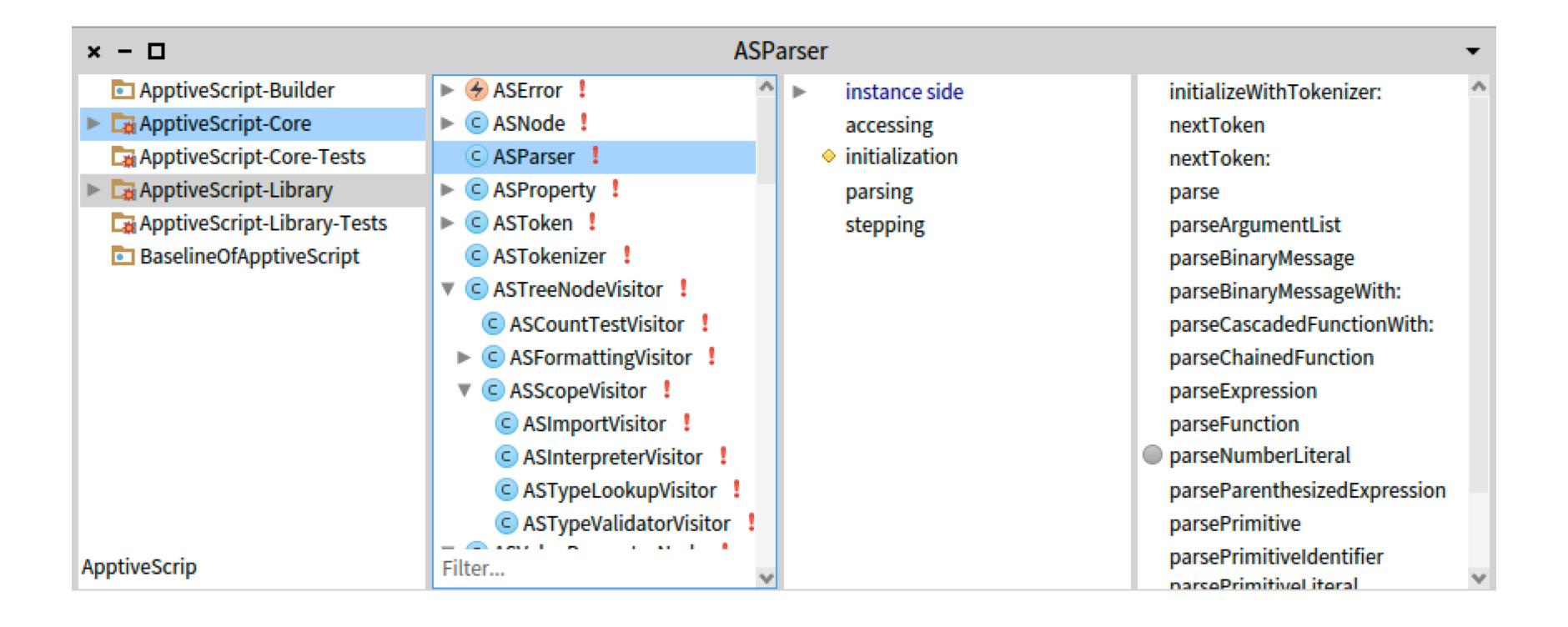


Combined syntax

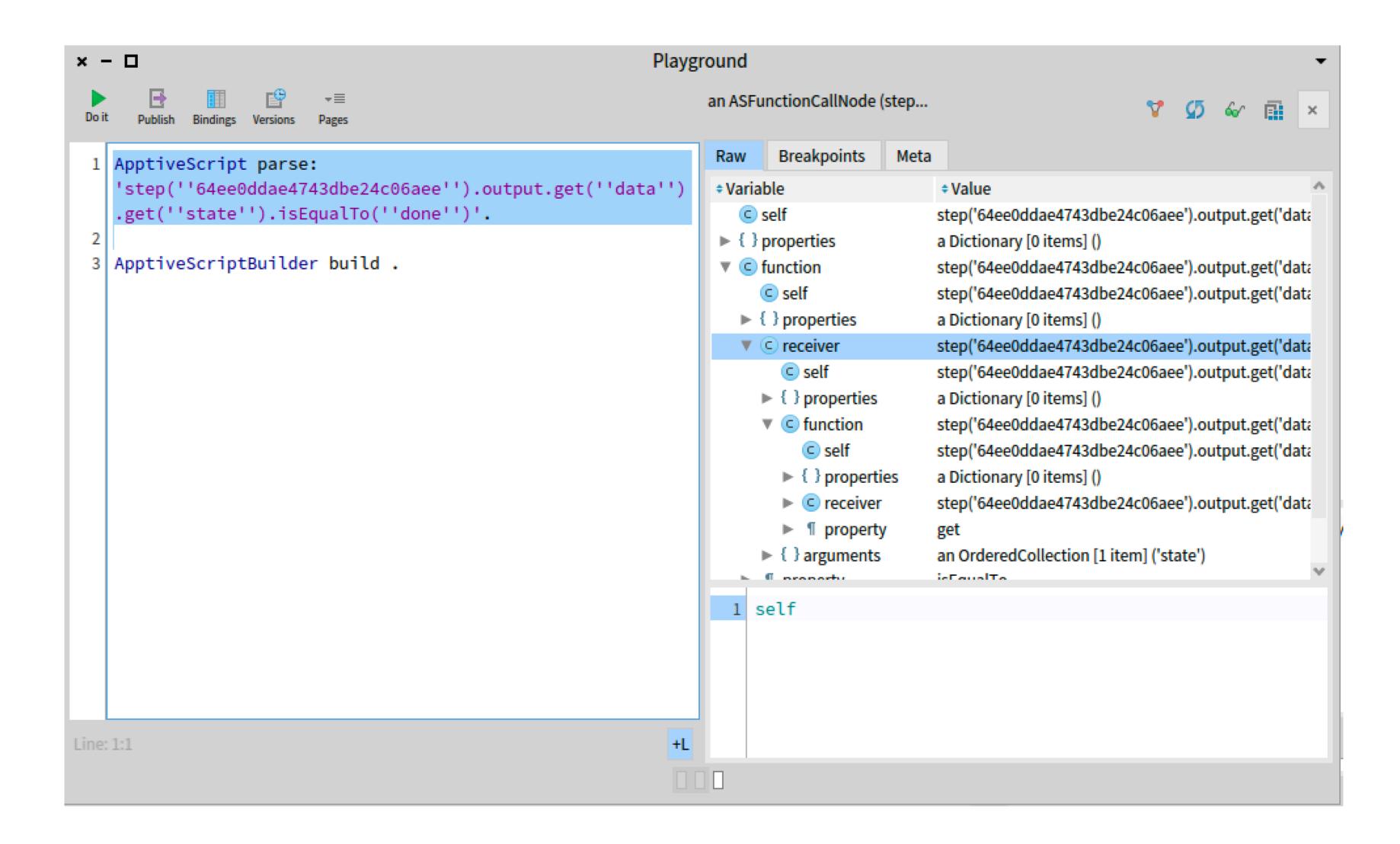




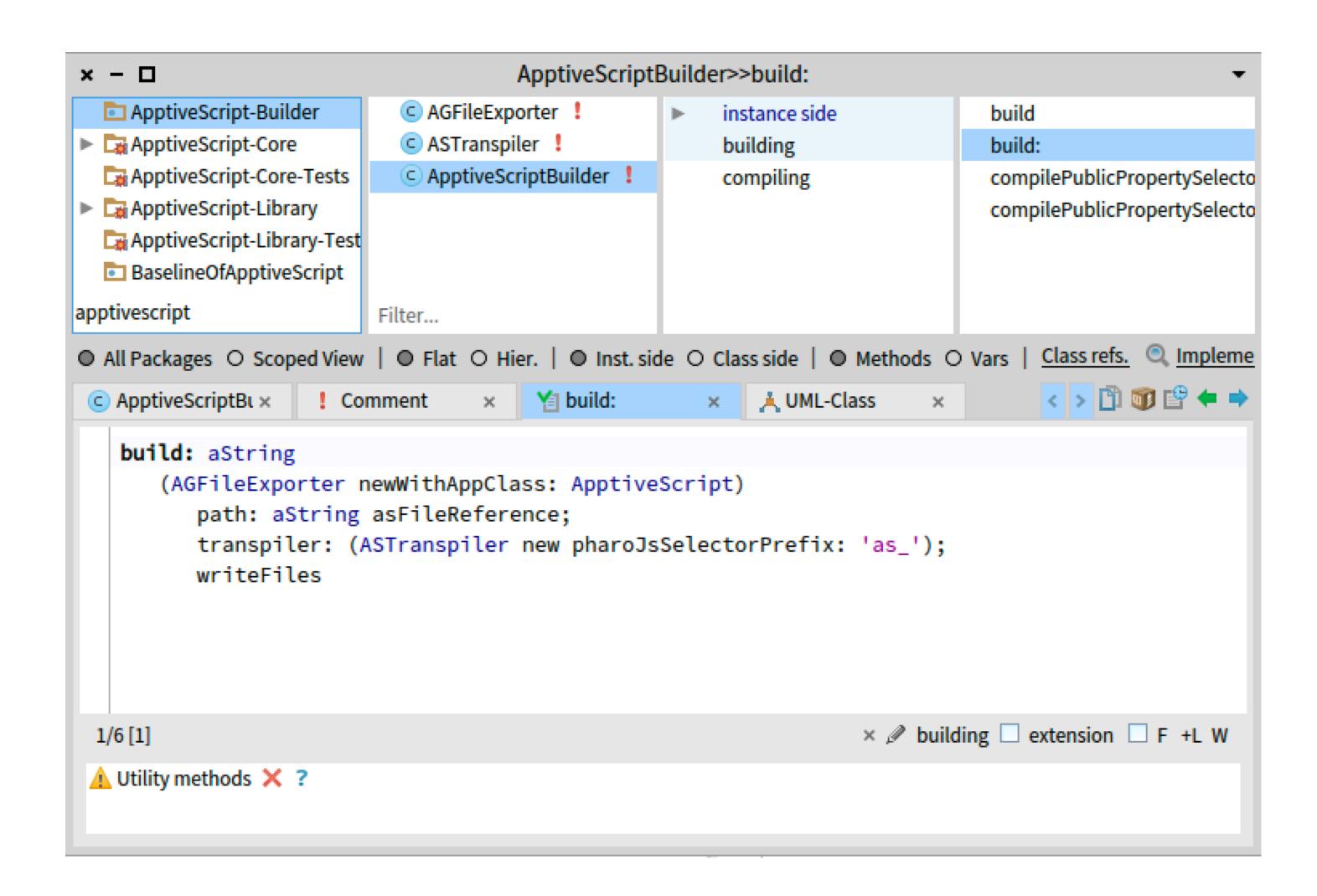
ApptiveScript



ApptiveScript



ApptiveScript - Phar (15)



ApptiveScript on the frontend

- generated picking visual elements
- enables auto completion through type information.
- can be executed on demand
- sends syntax to the server

ApptiveScript on the backend

- is parsed to AST
- AST is stored in soil
- uses the AST as database predicate

ApptiveScript on the backend

- objects are read using an iterator (#next just as in stream)
- iterator executes the ApptiveScript AST on object
- uses the AST as predicate
- returns the result

Thank you!
Questions?