Script validation rule

JRuby, Groovy, Javascript, or Jython scripting language can be used to create a validation rule which are used to validate elements in your model. The advantage of using script validation rules is that it is not necessary to compile and store them in a classpath. Oftentimes, the code is compact and simple.

How to create a a script validation rule

1. Create a constraint.

2. Set the stereotype «UML Standard Profile::Validation Profile::validationRule» for the validation

- rule.
- 3. Set the severity level, error message, and abbreviation.
- 4. Specify constrained element(s).
- 5. Specify the specification language (JRuby, Groovy, Javascript, or Jython).
- 6. Enter the validation code in the selected language.

Here is an example validation rule written in JRuby:

```
if $THIS.isAbstract()
  return $THIS.getOwner().isAbstract()
end
true
```

The rule validates operations in the model. If an operation is abstract, but its owning classifier isn't, the rule fails. "\$THIS" variable references the element being validated. It should be used at least once in the code or in a comment.

Related pages

- Validation
- Creating validation rules