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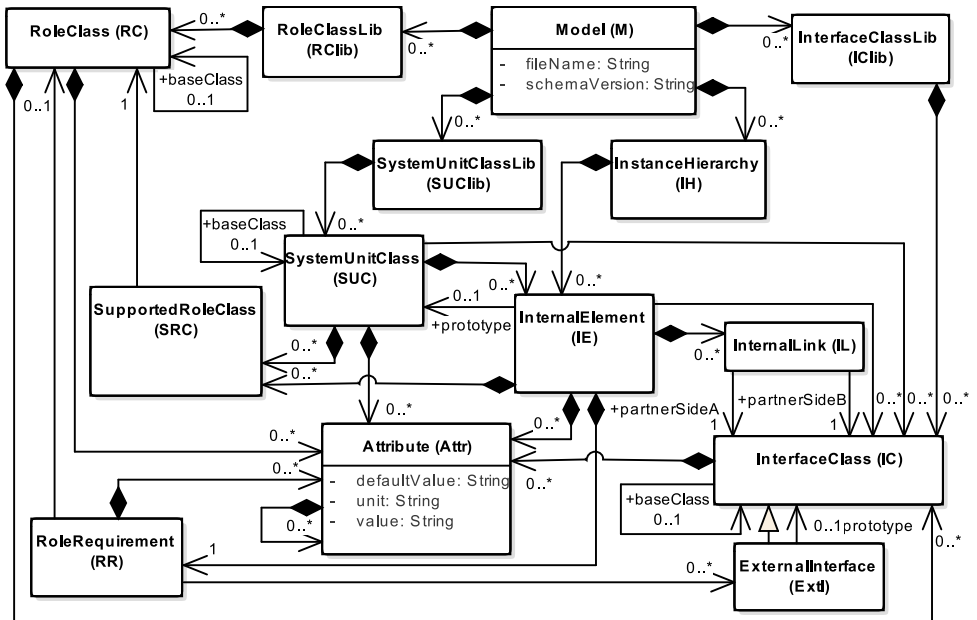
Model-Integrated Smart Production

*AutomationML
Engines for*



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- AML Engines for different platforms and programming languages
- Efficient APIs for reading, manipulating and storing



AutomationML Metamodel

A platform independent and precise specification of AutomationML allows for the following advanced features:

- Automatic generation of AutomationML Engines for different platforms
- Currently we support Java, C++ and Python
- Different backends for storing and retrieving AutomationML data can be selected such as relational databases and graph databases

Usage: AutomationML Java API

```
public void testModelCreationViaAPI()
{
    // factory for creating AML elements
    final AMLFactory factory = AMLFactory.eINSTANCE;

    // create instance hierachy
    InstanceHierarchy ih = factory.createInstanceHierarchy();
    ih.setName( "system_A" );

    // create internal element
    InternalElement ie = factory.createInternalElement();
    ie.setName( "element_1" );

    // add internal element to instance hierarchy
    ih.getInternalElement().add( ie );

    // ...
}
```

Additional Features

- Definition of modeling rules, which are automatically checked
- Accessing AutomationML data via REST services
- Many more features are provided out-of-the-box – just contact us in case of specific questions

The AutomationML Metamodel and derived AutomationML Engines are provided in our open source repository:

<https://github.com/amlModeling/>



<AutomationML/>



Contact

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