

<applicablePolicy>

```
<properties> // meta information
<ds:signature> // signature for applicablePolicy
<applicability>
  <resourceClassification>
  <resourceAction>
```

Information
needed before
decision
computation

```
<policy policyId = "http://www.alice.org/myAlgorithm" >
```

Extensibility 1
- user's algorithm -

```
<grant>
  <rule ruleId="rule-1">
    <principal>
    <resource>
    <action>
    <preCondition>
    <post-condition>
    <purpose>
```

repeat

Readability
- tag set -

Extensibility 2
- user's data set -

```
<deny>
  <rule ruleId="rule-2">
  ...
```

Flexibility
- denial -

```
<my_semantics>
  <myrule ruleId="rule-3">
  ...
```

Extensibility 3
- user's rule set -

Information
used for
decision
computation

```
<principal>
  <and>
    <term type="saml/Attribute/AttributeName/Role" value="manager"/>
    <term type="saml/Attribute/AttributeName/Role" value="reviewer"/>
    <not>
      <term type="saml/NameIdentifier/Name" value="Bob"/>
    </not>
  </and>
</principal>
```

```
<resource>
  <or>
    <term type="xpath" value="//*[@member = 'premium' ]"/>
    <term type="xpath" value="/contents/*"/>
  </or>
</resource>
```

```
<action>
  <or>
    <term type="saml/Action" value="read"/>
    <term type="saml/Action" value="readOnce"/>
  </or>
</action>
```