

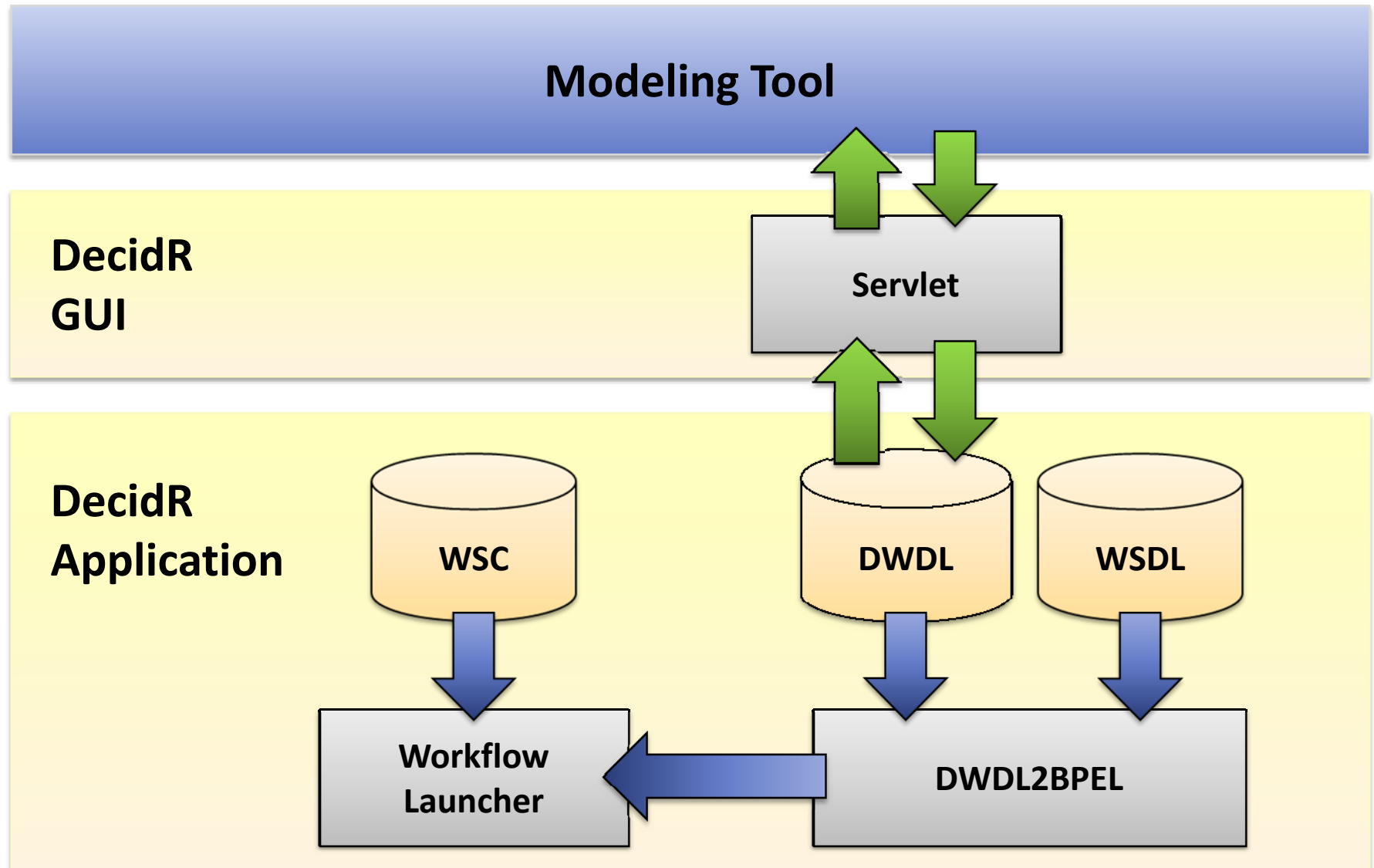
# Modeling Tool Technology

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# Overview

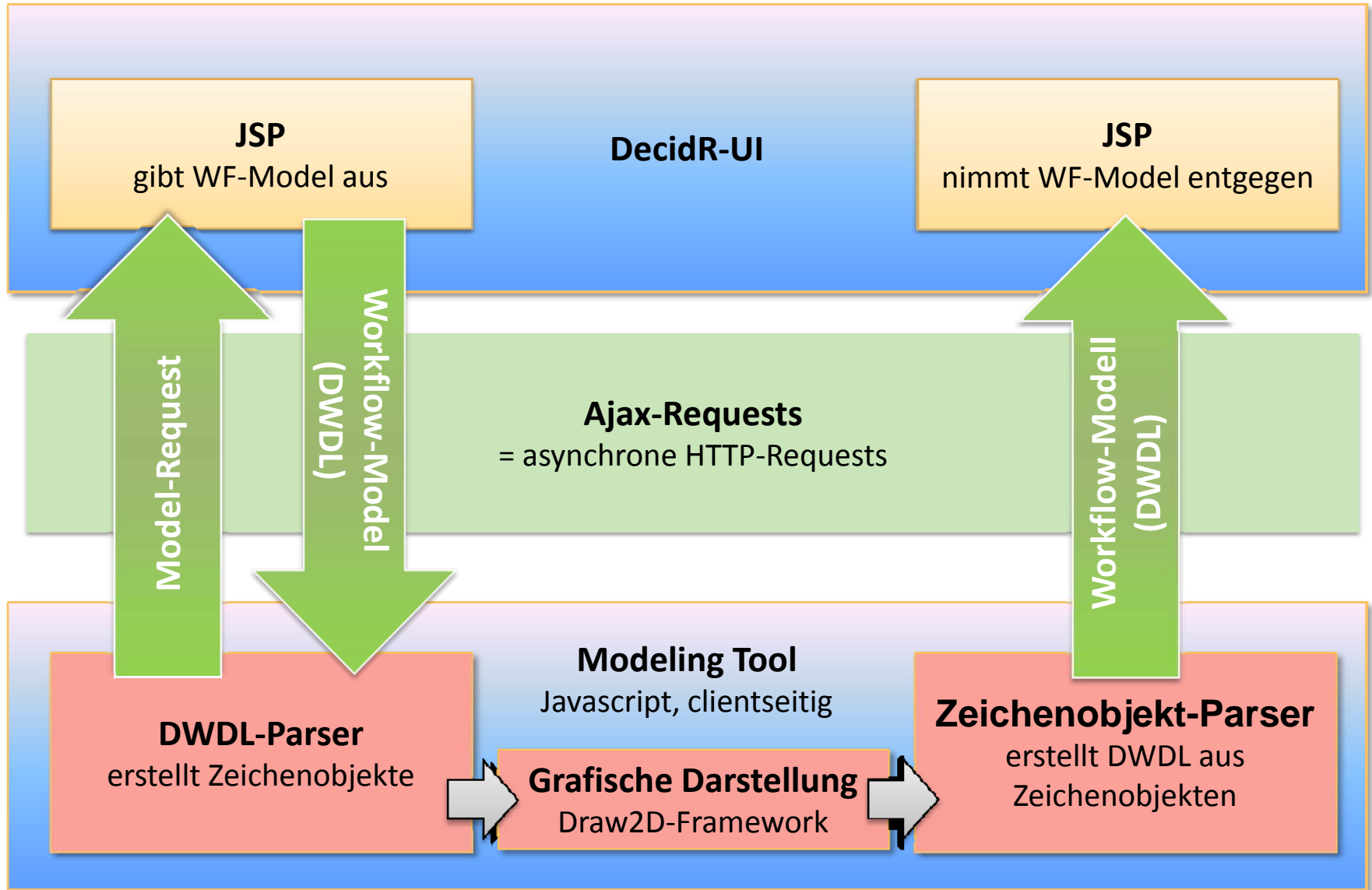
- Workflow Model Editor
- DWDL
- DWDL2BPEL
- Workflow Deployment

# Overview



# Workflow Model Editor

# Workflow Model Editor



# AJAX-Aufruf

```
var http;
if (window.XMLHttpRequest) {
    http = new XMLHttpRequest();
} else if (window.ActiveXObject) {
    http = new ActiveXObject("Microsoft.XMLHTTP");
}

http.open("GET", "load.jsp", true);

http.onreadystatechange = function() {
    if (http.readyState == 4) {
        XMLLoader.prototype.parse.call(this, workflow, http.responseXML);
    }
};

http.send(null);
```

DWDL

# DWDL

```
<workflow name="homeworkAssignmentProcess" id="84587575">
  <description>
    This is a sample workflow created for test and design purpose.
  </description>
  <variables>
    <variable name="subject" type="string" configurationVariable="no" />
    <variable name="informant-name" type="string" configurationVariable="yes" />
    <variable name="informant-email" type="string" configurationVariable="yes" />
    <variable name="instruction" type="string" configurationVariable="no" />
    <variable name="homework-file" type="file" configurationVariable="no" />
  </variables>
  <roles>
    <role name="teacher" type="actor" />
    <role name="students" type="role" />
  </roles>
  <faultHandler>
    <faultMessage>
      An error has occurred during workflow execution.
    </faultMessage>
    <informant>
      <name>${informant-name}</name>
      <email>${informant-email}</email>
    </informant>
  </faultHandler>
</workflow>
```



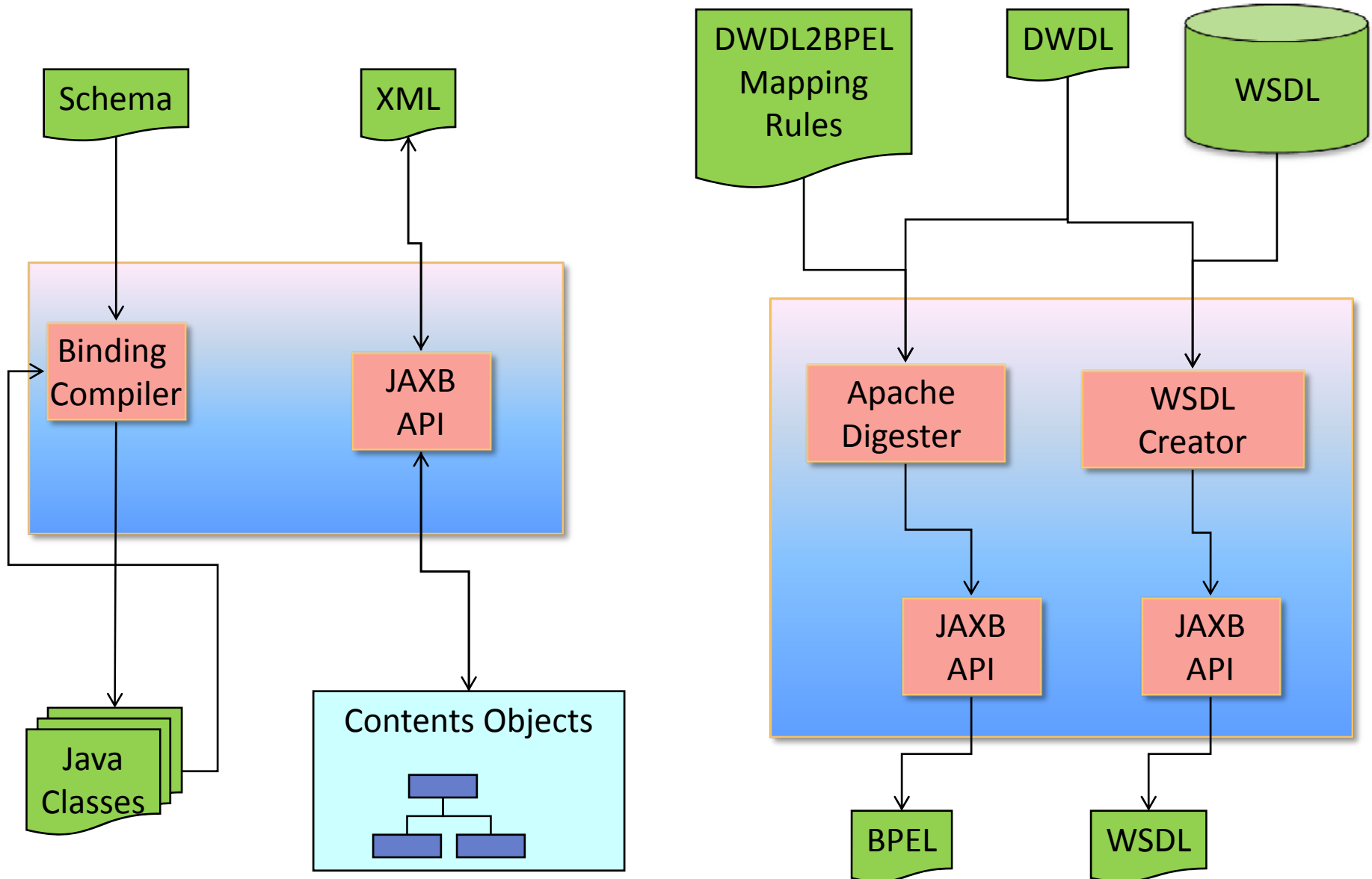
```
<informant>
  <name>Peter Pan</name>
  <email>peter.pan@never-land.nvl</email>
</informant>
</faultHandler>
<nodes>
  <startNode id="1" name="start">
    <graphics x="10" y="10" />
    <sources>
      <source arcId="100" />
    </sources>
  </startNode>
  <invokeNode id="2" name="Homework-Upload" activity="HumanTask">
    <graphics x="150" y="170" />
    <targets>
      <target arcId="100" />
    </targets>
    <sources>
      <source arcId="101" />
    </sources>
    <inputVariable name="$teacher" />
    <outputVariable name="$uploadForm" />
  </invokeNode>
</nodes>
```

```
<form>
  <input name="name" type="string">
    <label>Please insert your name here</label>
    <hint>Firstname, Lastname</hint>
  </input>
  <input name="homework-sheet" type="file">
    <label>Upload your file</label>
    <hint>Only PDF files please</hint>
  </input>
</form>
</invokeNode>
<forEachNode id="3" counterVariable="$students" counterName="p" parallel="yes">
  <graphics x="300" y="200" width="300" height="400" />
  <targets>
    <target arcId="101" />
  </targets>
  <sources>
    <source arcId="102" />
  </sources>
  <invokeNode id="31" name="Homework-Assignment" activity="HumanTask">
    <graphics x="560" y="623" />
    <inputVariable name="$p" />
    <outputVariable name="$assignmentForm" />
  </invokeNode>
</forEachNode>
```

```
<form>
  <input name="name" type="string">
    <label>Please insert your name here</label>
    <hint>Firstname, Lastname</hint>
  </input>
  <input name="homework-sheet" type="file">
    <label>Upload your fiel</label>
  </input>
</form>
</invokeNode>
</forEachNode>
<endNode id="4" name="end">
  <graphics x="500" y="700" />
  <targets>
    <target arcId="101" />
  </targets>
</endNode>
</nodes>
<arcs>
  <arc id="100" sourceNode="1" targetNode="2" />
  <arc id="101" sourceNode="2" targetNode="3" />
  <arc id="102" sourceNode="3" targetNode="4" />
</arcs>
</workflow>
```

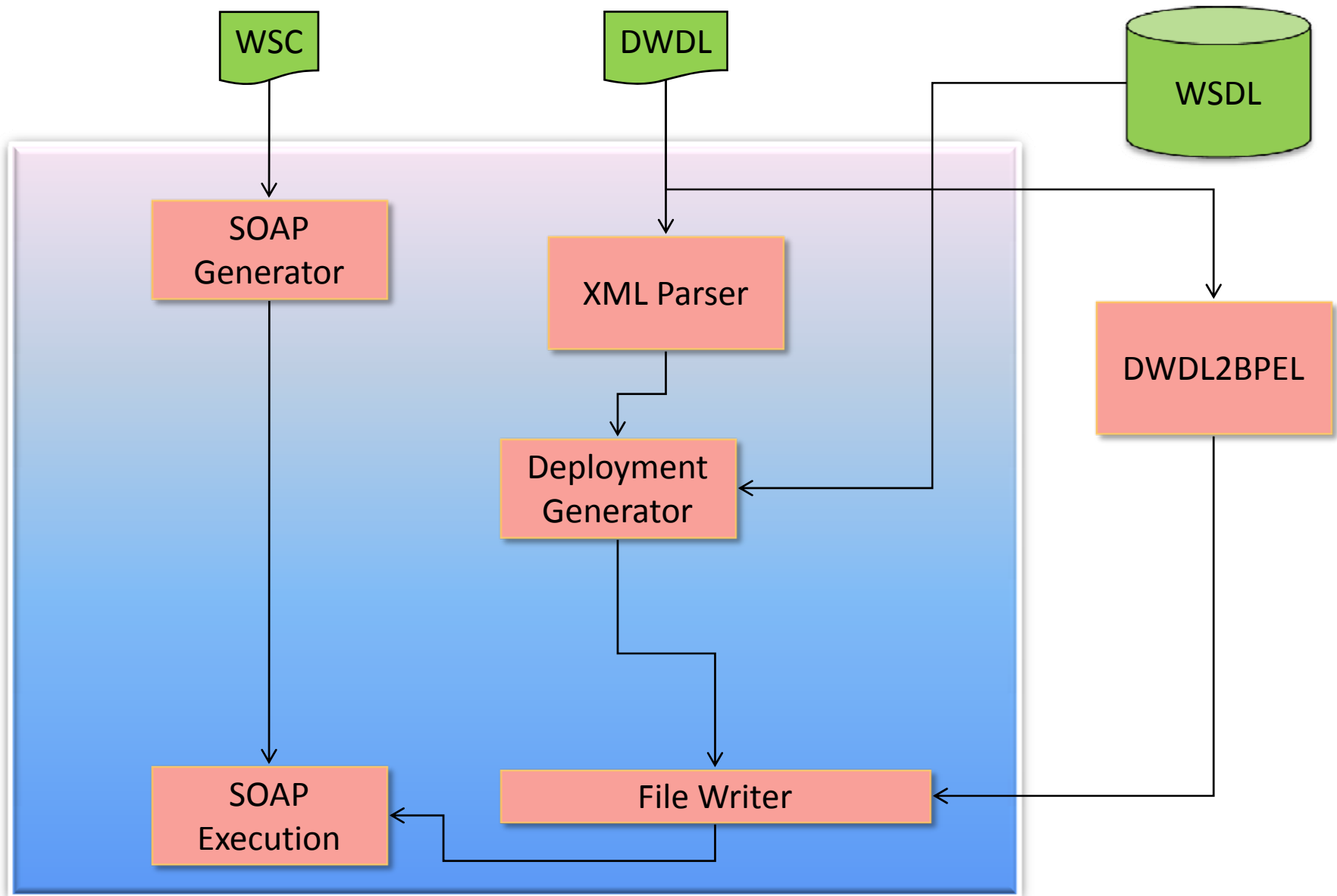
DWDL2BPEL

# DWDL2BPEL



# Workflow Deployment

# Workflow Launcher



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