

UI Walkthrough

of Eclipse the Policy Editor from Eclipse STP Project



Agenda

- STP and the Policy Editor inside
- Main use-cases of the Policy Editor
- What we dislike in the current Policy Editor
- Our proposals for the new UI (3 alternatives)
- Discussion



Eclipse SOA Tools

- STP BPMN Designer
- STP Policy Editor
- STP SCA Editor
- STP EAI Designer
- STP Intermediate Model

Policy Editor

- Policy - “A standardized description of the capabilities, requirements or general characteristics of an entity” (WS-Policy 1.2)
- Automated processing require:
 - Standard syntax - WS-Policy
 - Formal definition of actual properties - domain specific, WS-Addressing, WS-RM Policy, etc.
 - Association method - WS-Policy Attachment

Policy Editor (I)

The screenshot displays the Policy Editor interface for a file named "ExampleService.opdx". The main area shows a tree view of policies:

- human-readable name
- ExactlyOne
 - All
 - ExactlyOne
 - sopa:HttpTransport
 - sopa:JmsTransport
 - sopa:HttpsTransport
 - ExactlyOne
 - sopa:Compression (highlighted with a blue arrow)

Below the tree view, there are tabs for "Design" and "Source". The "Design" tab is active, showing a "Policies" section with two sub-panels:

- Applied Policies:** A list containing "ns1.1:Compression". Buttons for "Add Policy..." and "Delete" are visible.
- Policy Values:** Configuration for the selected "ns1.1:Compression" element.
 - Element: ns1.1:Compression
 - size: 0
 - message: all
 - Optional: True False

At the bottom of the interface, there are tabs for "Policy" and "XML".

Problems with Policy Editor

- Two or more editors which are editing the same resource/different parts of the same resource.
- Synchronization issues.
- Workflow issues with multiple editors.
- Properties/Editors are not used consistently

Design proposal (I)

The screenshot shows a software interface for configuring a WS-Policy. The window title is "*ExampleService.opdx".

Left Pane (Tree View):

- WS-Policy
 - human-readable name
 - ExactlyOne
 - All
 - ExactlyOne
 - sopa:HttpTransport
 - sopa:JmsTransport
 - sopa:HttpsTransport
 - ExactlyOne
 - sopa:Compression (Selected)

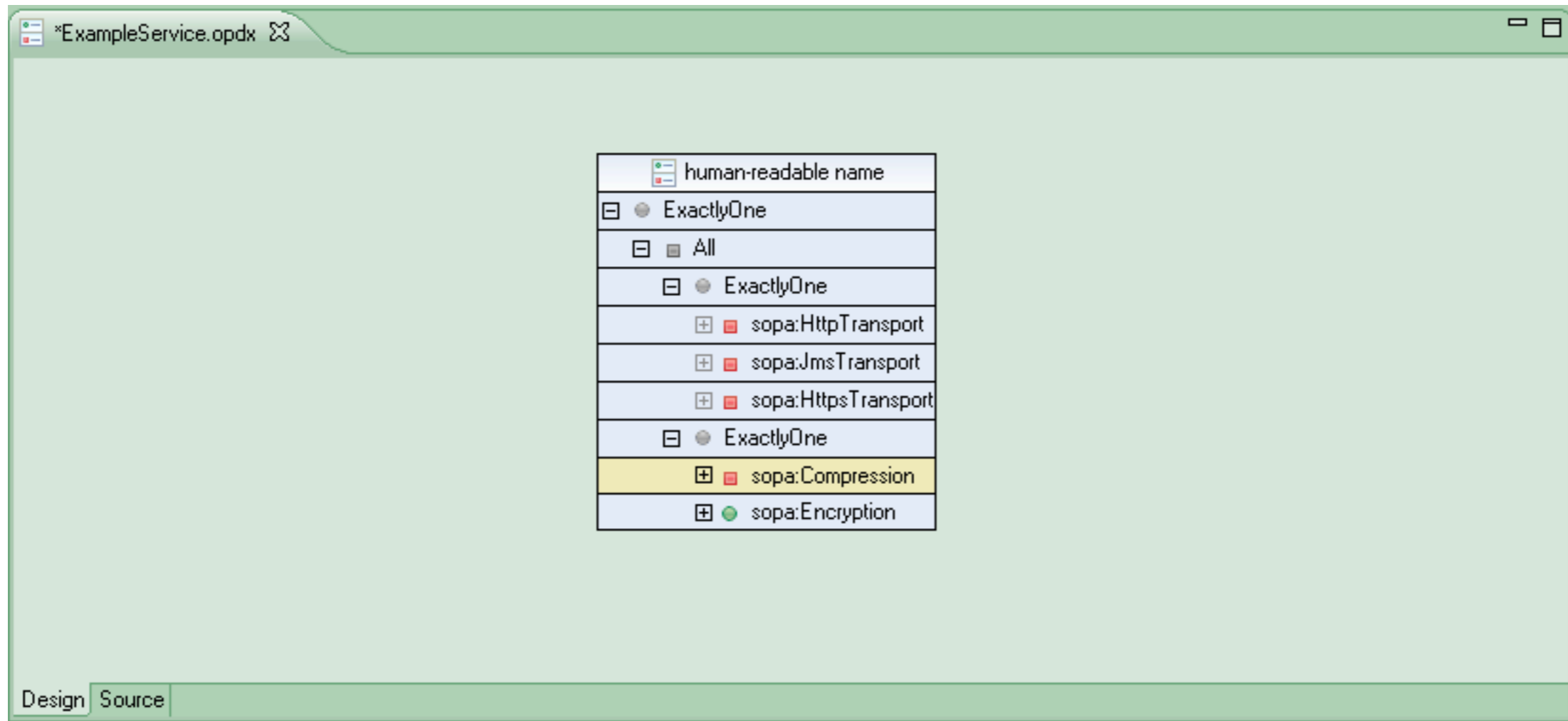
Right Pane (Element Configuration):

Element: ns1.1:Compression

- size: 0
- message: all
- Optional: True False

At the bottom, there are tabs for "Design" and "Source".

Design proposal (2)



Design proposal (2)

The screenshot shows a design tool window titled '*ExampleService.opdx'. The main area is a configuration panel for a 'human-readable name'. The panel is organized as follows:

- human-readable name** (header)
- ExactlyOne** (group)
 - All** (group)
 - ExactlyOne** (group)
 - sopa:HttpTransport** (checkbox)
 - sopa:JmsTransport** (checkbox)
 - sopa:HttpsTransport** (checkbox)
 - ExactlyOne** (group)
 - sopa:Compression** (checkbox)
 - size: 0 (input field)
 - message: all (dropdown)
 - Optional: True False
 - sopa:Encryption** (checkbox)
 - message: all (dropdown)
 - Optional: True False

At the bottom left, there are tabs for 'Design' and 'Source'.

Design proposal (3)

The screenshot shows a design tool window titled "*ExampleService.opdx". The main area contains a tree view of service elements. The tree structure is as follows:

- human-readable name
 - ExactlyOne
 - All
 - ExactlyOne
 - sopa:HttpTransport
 - sopa:JmsTransport
 - sopa:HttpsTransport
 - ExactlyOne
 - sopa:Correlation
 - sopa:Part
 - sopa:Namespace
 - sopa:Compression

On the right side, there is a configuration panel with the following fields:

- name: test
- message: request
- location: sender
- expose: True False

At the bottom left, there are tabs for "Design" and "Source".

Design proposal (3)

The screenshot shows a design tool window titled "*ExampleService.opdx". The main area contains a tree view of service components. The tree structure is as follows:

- human-readable name
 - ExactlyOne
 - All
 - ExactlyOne
 - sopa:HttpTransport
 - sopa:JmsTransport
 - sopa:HttpsTransport
 - ExactlyOne
 - sopa:Correlation
 - sopa:Part
 - sopa:Namespace
 - sopa:Compression

On the right side, there is a configuration panel for the selected component. It contains the following fields:

- name: test
- message: request
- location: sender
- expose: True False
- name: (empty)
- xpath: (empty)

At the bottom left, there are two tabs: "Design" and "Source".

Discussion