

An abstract, artistic image of a red liquid splash or ink blot, rendered in a semi-transparent, ethereal style. The splash originates from the top left and flows downwards and to the right, creating a dynamic, flowing shape. The color is a vibrant red, and the edges are soft and blurred, giving it a sense of motion and fluidity.

# Versioning in XSD 1.1 Nothin' but brackets

David Orchard  
BEA Systems

# What you want

V1:

```
<personName>  
  <given>Dave</given>  
  <family>Orchard</family>  
</personName>
```

V2:

```
<personName>  
  <given>Dave</given>  
  <middle>Bryce</middle>  
  <family>Orchard</family>  
</personName>
```

# XSD 1.0

```
<s:sequence>  
  <s:any processContents="lax" namespace="##any" minOccurs="0" maxOccurs="unbounded" />  
  <s:element name="given" type="s:string" />  
  <s:any processContents="lax" namespace="##any" minOccurs="0" maxOccurs="unbounded" />  
  <s:element name="family" type="s:string" />  
  <s:any processContents="lax" namespace="##any" minOccurs="0" maxOccurs="unbounded" />  
</s:sequence>
```

# What you get in XSD 1.0

V1:

```
<personName>  
  <given>Dave</given>  
  <family>Orchard</family>  
</personName>
```

V2:

```
<personName>  
  <given>Dave</given>  
  <family>Orchard</family>  
  <middle>Bryce</middle>  
</personName>
```

# XSD 1.0

V1

```
<s:sequence>  
  <s:element name="given" type="s:string"/>  
  <s:element name="family" type="s:string"/>  
  <s:any processContents="lax" namespace="###any" minOccurs="0" maxOccurs="unbounded"/>  
</s:sequence>
```

V2:

```
<s:sequence>  
  <s:element name="given" type="s:string"/>  
  <s:element name="family" type="s:string"/>  
  <s:element name="middle" type="s:string" minOccurs="0"/>  
  <s:any processContents="lax" namespace="###other" minOccurs="0" maxOccurs="unbounded"/>  
</s:sequence>
```

# More what you get in XSD 1.0

V3:

```
<personName>  
  <given>Dave</given>  
  <family>Orchard</family>  
  <middle>Bryce</middle>  
  <news:written>David Orchard</news:written>  
</personName>
```

# XSD 1.0 V3 2 options

```
<s:sequence>
```

```
  <s:element name="given" type="s:string"/>
```

```
  <s:element name="family" type="s:string"/>
```

```
  <s:element name="middle" type="s:string" minOccurs="0"/>
```

```
  <s:any processContents="lax" namespace="##other"  
    minOccurs="0" maxOccurs="unbounded" />
```

```
</s:sequence>
```

```
<s:sequence>
```

```
  <s:element name="given" type="s:string"/>
```

```
  <s:element name="family" type="s:string"/>
```

```
  <s:element name="middle" type="s:string" minOccurs="0"/>
```

```
  <s:element ref="news:written" minOccurs="0"/>
```

```
</s:sequence>
```

# What's new in XSD 1.1

- Updated Wildcards
- Negative Wildcards
- Default Open Content
- Not In Schema



# XSD 1.1

```
<s:sequence>  
<s:any processContents="lax" namespace="##any" minOccurs="0" maxOccurs="unbounded" />  
<s:element name="given" type="s:string"/>  
<s:any processContents="lax" namespace="##any" minOccurs="0" maxOccurs="unbounded" />  
<s:sequence minOccurs="0">  
  <s:element name="middle" type="s:string"/>  
  <s:any processContents="lax" namespace="##any"  
    minOccurs="0" maxOccurs="unbounded" />  
</s:sequence>  
<s:element name="family" type="s:string"/>  
<s:any processContents="lax" namespace="##any" minOccurs="0" maxOccurs="unbounded" />  
</s:sequence>
```

# XSD 1.1 Negative Wildcards

```
<s:sequence>  
<s:any processContents="lax" namespace="##any"  
  notQName="namens:given namens:family"  
  minOccurs="0" maxOccurs="unbounded" />  
<s:element name="given" type="s:string"/>  
<s:any processContents="lax" namespace="##any"  
  notQName="namens:given namens:family"  
  minOccurs="0" maxOccurs="unbounded" />  
<s:element name="family" type="s:string"/>  
<s:any processContents="lax" namespace="##any"  
  notQName="namens:given namens:family"  
  minOccurs="0" maxOccurs="unbounded" />  
</s:sequence>
```

# XSD 1.1 ComplexType Open Content

```
<s:complexType name="personName">  
  <s:openContent mode="interleave">  
    <s:any namespace="##any" processContents="lax"  
      notQName="namens:given namens:family"  
      minOccurs="0" maxOccurs="unbounded"/>  
  </s:openContent>  
  <s:sequence>  
    <s:element name="given" type="s:string"/>  
    <s:element name="family" type="s:string"/>  
  </s:sequence>  
</s:complexType>
```

# XSD 1.1 Not In Schema

```
<s:complexType>  
  <s:openContent mode="interleave">  
    <s:any namespace="##any" processContents="lax"  
      notQName="##defined"  
      minOccurs="0" maxOccurs="unbounded"/>  
  </s:openContent>  
  <s:sequence>  
    <s:element name="given" type="s:string"/>  
    <s:element name="family" type="s:string"/>  
  </s:sequence>  
</s:complexType>
```

# XSD 1.1 Schema Open Content

```
<s:schema xmlns:namens="http://www.example.org/ns/personName/1">
  <s:openContent mode="interleave">
    <s:any namespace="##any" processContents="lax"
      notQName="##defined" minOccurs="0" maxOccurs="unbounded"/>
  </s:openContent>
  <s:complexType name="personName"/>
    <s:sequence>
      <s:element name="given" type="s:string"/>
      <s:element name="family" type="s:string"/>
    </s:sequence>
  </s:complexType>
</s:schema>
```