

STRUTS - XML BASED VALIDATORS

http://www.tutorialspoint.com/struts_2/xml_based_validators.htm

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Following is the list of various types of field level and non-field level validation available in Struts2:

date validator

```
<field name="birthday">
<field-validator type="date">
  <param name="min">01/01/1990</param>
  <param name="max">01/01/2000</param>
  <message>
    Birthday must be within ${min} and ${max}
  </message>
</field-validator>
</field>
```

double validator

```
<field name="percentage">
<field-validator type="double">
  <param name="minExclusive">0.123</param>
  <param name="maxExclusive">99.98</param>
  <message>
    Percentage needs to be between ${minExclusive}
    ${maxExclusive} (exclusive)
  </message>
</field-validator>
</field>
```

email validator

```
<field name="myEmail">
<field-validator type="email">
  <message>
    Must provide a valid email
  </message>
</field-validator>
</field>
```

expression validator

A Non-Field Level validator that validates based on regular expression supplied.

```
<field-validator type="expression">
  <param name="expression">....</param>
  <message>
    Failed to meet Ognl Expression ....
  </message>
</field-validator>
```

int validator

```
<field name="age">
<field-validator type="int">
  <param name="min">5</param>
  <param name="max">50</param>
  <message>
    Age needs to be between ${min} and ${max}
  </message>
</field-validator>
</field>
```

regex validator

```
<field name="myStrangePostcode">
<field-validator type="regex">
  <param name="fieldName">myStrangePostcode</param>
  <param name="expression">
    <![CDATA[([aAbBcCdD][123][eEfFgG][456])]]>
  </param>
</field-validator>
</field>
```

required validator

```
<field name="username">
<field-validator type="required">
  <message>
    username must not be null
  </message>
</field-validator>
</field>
```

requiredstring validator

```
<field name="username">
<field-validator type="requiredstring">
  <param name="trim">true</param>
  <message>
    username must not be null
  </message>
</field-validator>
</field>
```

stringlength validator

```
<field name="username">
<field-validator type="stringlength">
  <param name="minLength">10</param>
  <param name="maxLength">10</param>
  <param name="trim">true</param>
  <message>
    Your username needs to be 10 characters long
  </message>
</field-validator>
</field>
```

url validator

```
<field-validator type="url">
  <param name="fieldName">myHomePageURL</param>
  <message>
    Invalid homepage url
  </message>
</field-validator>
```