Referencing DTD or Schema

For an XML file to validate, you have to reference a DTD or a schema file. You can identify the DTD source in your xml file, for instance, like this:

```
<!DOCTYPE ejb-jar PUBLIC "-//Sun Microsystems, Inc.//DTD Enterprise JavaBeans 2.0//EN"
"http://java.sun.com/dtd/ejb-jar_2_0.dtd" >
```

To reference a schema file, IntelliJ IDEA supports standard ways, in particular, `xsi` attribute.

If IntelliJ IDEA cannot find the specified DTD or schema, they are marked as errors. In this case special intention actions are suggested to:

- Resolve the reference, if it is represented as a URL.

- Map a URI to a local file.

- Permanently ignore it. An ignored URI will not be highlighted as an error any more, until removed from the ignore list.

- Add Xsi schema location for external resources. A special attribute is added to point *namespace* location.

- Configure schema for your XML file. The schema for your XML file can be configured based on detecting schemas located locally in project sources or libraries.

To fetch a DTD or schema file

1. In the `xml` file, specify the URI of the DTD or schema. If the desired file is not found, the reference is marked as an error.

2. Press **Alt+Enter**.

3. In the suggestion list, choose **Fetch external resource**.

To map a DTD or schema URI to a local file

1. In the `xml` file, specify the URI of the DTD or schema. If the desired file is not found, the reference is marked as an error.

2. Press **Alt+Enter**.

3. In the suggestion list, select the option **Manually Set Up External Resource**. The Resources dialog box opens showing the new URI selected.

4. Click 🖉 (**Enter**).

5. In the **External Resources** dialog box, specify the path to the desired DTD or schema file and click **OK**.

6. Apply changes and close the **Resources** dialog box.

To permanently ignore a DTD or schema

1. In the `xml` file, specify the URI of the desired DTD or schema.

2. Press the **Alt+Enter** keyboard shortcut, if the specified DTD or schema is not found and marked as an error.

3. In the suggestion list, select the option **Ignore External Resource**. The URI is added to the Ignored Resources list of the **Resources** dialog box.

> To remove a URI from the ignore list, open the **Resources** dialog box (**File | Settings | IDE Settings | Resources**), select the desired URI in the **Ignored Resources** list, then click **Remove**.

To add Xsi schema location for external resources

1. In the `xml` file, specify URI of DTD or schema.

2. Press the `Alt+Enter` keyboard shortcut, if the specified DTD or schema is not found and marked as error.

3. In the suggestion list, select the option **Add Xsi Schema Location for External Resources**.

To configure schema for XML file

1. In the `xml` file, specify the schema. If the desired file is not found, the reference is marked as an error.

2. Press `Alt+Enter` keyboard shortcut, if the specified schema is not found and marked as error.

3. In the suggested list, select the option **Manually Setup External Resource**. The **Map External Resource** dialog box opens showing the list of all schemas found in your project.

4. In the **Map External Resource** dialog box, select the path to the desired schema file and click **OK**.

> IntelliJ IDEA automatically tries to match schema by information available in the document, such as namespace or system id. If auto-detection fails or you need to adjust the schema manually, you can use **Manually Setup External Resource** intention.

See Also

Procedures:

- Generating DTD
- Generating XML Schema from Instance Document

Reference:

- Schemas and DTDs
- XML-Java Binding Reference

Web Resources:

- Developer Community ⮺