

## Conversion Tools - Feature #6253

### add file-set processing into p2j.cfg.xml

04/06/2022 06:14 PM - Greg Shah

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Constantin Asofiei	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>vendor_id:</b>	GCD
<b>billable:</b>	No		
<b>Description</b>			
<b>Related issues:</b>			
Related to Conversion Tools - Bug #5135: replace -s, -f and -x options of Con...		<b>Closed</b>	
Related to Conversion Tools - Feature #7169: drive conversion order using use...		<b>New</b>	

#### History

##### #1 - 04/06/2022 06:14 PM - Greg Shah

- Related to Bug #5135: replace -s, -f and -x options of ConversionDriver with a single combined mode added

##### #2 - 04/06/2022 06:33 PM - Greg Shah

- Assignee set to Constantin Asofiei

The global section of the p2j.cfg.xml should allow the definition of a file-set element which will allow the explicit configuration of files to be processed in a project. There will be 2 mutually exclusive approaches provided:

1. External configuration mode. This references the same -Zinput\_file used for [#5135](#).

```
<file-set input-file="an_awesome_cfg_file.lst" />
```

2. Inline configuration mode. This is an XML form of the same syntax used in [#5135](#).

```
<file-set>
  <directory recursive="true" path="./abl/some/path/" spec="(*.[pPwW]|*.cls)" />      <!-- directive "D" -->
  <filename path="./abl/some/path/file.p" />                                       <!-- directive "F" -->
  <directory recursive="false" path="./abl/some/other/path/again/" spec="*.[tT]" /> <!-- directive "N" -->
  <filename path="./abl/some/other/path/file.p" />                                 <!-- directive "F" -->
  <exclude filter="./abl/possenet/*" />                                             <!-- directive "X" -->
  <include filter="./abl/possenet/src/adecomm/as-utils.w" />                       <!-- directive "I" -->
  <include filter="./abl/possenet/src/adecomm/get-user.p" />                       <!-- directive "I" -->
  ...
</file-set>
```

By default, if this is present, the ConversionDriver should use -Z mode and honor any file-set as its input.

**#3 - 04/07/2022 11:26 AM - Constantin Asofiei**

- Status changed from New to WIP

**#4 - 04/13/2022 08:07 AM - Constantin Asofiei**

I've used `<file-set filename="file-set.txt" />` (filename instead of input-file) because of the dash in input-file and to be more consistent with other naming.

**#5 - 04/13/2022 08:08 AM - Constantin Asofiei**

A command like this:

```
java -server -Xmx16G -XX:-OmitStackTraceInFastThrow -DP2J_HOME=. -classpath deploy/lib/app.jar:deploy/lib/p2j.jar com.goldencode.p2j.convert.ConversionDriver -LId2 f2+m0+cb
```

will use the file-set configuration from the `cfg/p2j.cfg.xml` (will assume the 'Z' mode). Here I use L for the 'dry-run'.

**#6 - 04/13/2022 08:09 AM - Greg Shah**

I've used `<file-set filename="file-set.txt" />` (filename instead of input-file) because of the dash in input-file and to be more consistent with other naming.

No objection.

**#7 - 04/13/2022 08:10 AM - Greg Shah**

Constantin Asofiei wrote:

A command like this:

[...]

will use the file-set configuration from the `cfg/p2j.cfg.xml` (will assume the 'Z' mode). Here I use L for the 'dry-run'.

Yes, I like the idea. If there are no other inputs and no explicit mode AND the file-set exists outside of the profiles, then use -Z by default.

**#8 - 04/13/2022 08:15 AM - Constantin Asofiei**

The file-set in `p2j.cfg.xml` will look like this:

```
<!-- P2J main configuration -->
<cfg>
```

```
<global>
```

```
...
```

```
<!-- explicit file
<file-set filename="file-set.txt" />
```

or

```
-->
```

```
<file-set>
```

```
<directory recursive="true" path="./abl/possenet/src" spec="(*.[pPwW]|*.cls)" />
```

```
<directory recursive="true" path="./abl/src/" spec="(*.[pPwW]|*.cls)" />
```

```
<filename path="./abl/fwd-embedded-driver.p" />
```

```
<exclude filter="./abl/possenet/src/*" />
```

```
<include filter="./abl/possenet/src/adecomm/as-utils.w" />
```

```
<include filter="./abl/possenet/src/adecomm/get-user.p" />
```

```
<include filter="./abl/possenet/src/adeuib/_uibmode.p" />
```

```
<include filter="./abl/possenet/src/adm2/containr.p" />
```

```
<include filter="./abl/possenet/src/adm2/dyndata.w" />
```

```
<include filter="./abl/possenet/src/adm2/fetchdata.p" />
```

```
<include filter="./abl/possenet/src/adm2/fetchrows.p" />
```

```
<include filter="./abl/possenet/src/adm2/query.p" />
```

```
<exclude filter="./abl/src/config/*" />
```

```
<exclude filter="./abl/src/db/*" />
```

```
<exclude filter="./abl/src/dev/*" />
```

```
</file-set>
```

```
</global>
```

```
...
```

**#9 - 04/13/2022 08:28 AM - Greg Shah**

It looks good.

Should we make the following common cases the default?

- recursive="true"

- spec="(\*.[pPwW])\*cls)"

I'm less convinced about the spec because there is some value to making it explicit. On the other hand, reducing the configuration is a great benefit because it reduces errors and maintenance.

#### #10 - 04/13/2022 08:32 AM - Constantin Asofiei

- % Done changed from 0 to 100
- Status changed from WIP to Review

The changes are in 3821c/13778 for both this task and [#5135](#).

#### #11 - 04/13/2022 08:34 AM - Constantin Asofiei

Greg Shah wrote:

Should we make the following common cases the default?

- recursive="true"
- spec="(\*.[pPwW])\*cls)"

I'm less convinced about the spec because there is some value to making it explicit. On the other hand, reducing the configuration is a great benefit because it reduces errors and maintenance.

I don't really like to hide the attributes behind the defaults... but recursive makes sense for it to default to 'true'.

#### #12 - 04/14/2022 04:56 PM - Greg Shah

Code Review Task Branch 3821c Revision 13778

The changes are good.

1. An "include file" has a special meaning in this project. For that reason, I think the IncludeFile and ExcludeFile should be named IncludeFilter and ExcludeFilter.
2. StringHelper.readQuotedString() needs javadoc.

#### #13 - 04/14/2022 04:57 PM - Greg Shah

but recursive makes sense for it to default to 'true'.

Let's do it.

**#14 - 04/16/2022 02:58 PM - Constantin Asofiei**

The changes are in 3821c/13788.

**#15 - 04/18/2022 05:45 AM - Greg Shah**

- *Status changed from Review to Closed*

Code Review Task Branch 3821c Revision 13788

It is good.

**#16 - 04/19/2022 10:41 AM - Greg Shah**

A command like this:

[...]

will use the file-set configuration from the `cfg/p2j.cfg.xml` (will assume the 'Z' mode). Here I use L for the 'dry-run'.

Yes, I like the idea. If there are no other inputs and no explicit mode AND the file-set exists outside of the profiles, then use -Z by default.

This is not quite working properly. It turns out that you **must** put an option on the command line, which means it is not optional. :)

Given proper file-set configuration in `p2j.cfg.xml`, this fails:

```
java -classpath p2j/build/lib/p2j.jar com.goldencode.p2j.convert.ConversionDriver F2
```

But this works:

```
java -classpath p2j/build/lib/p2j.jar com.goldencode.p2j.convert.ConversionDriver -D2 F2
```

**#17 - 04/19/2022 12:02 PM - Constantin Asofiei**

Please check 3821c/13794.

**#18 - 03/03/2023 04:04 PM - Greg Shah**

- *Related to Feature #7169: drive conversion order using user-specified dependencies added*