



## **Primo File Splitters**

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## **Developing Enrichment Plug-ins:**

- Enrichment
- Import Extensions

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# Developing An Enrichment Plug-in

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- Additional information that does not exist in the source record can be added to harvested records

- Enrichment allows modifications for each record harvested during a pipe run

- Enrichment plug-in modifies existing PNX records



# Steps for Developing an Enrichment Plug-in

1. **Extract** the **primo\_publishing-api.jar** from within the primo installation directory. Location: `$primo_dev/ng/primo/home/system/publish/client`
2. **Implement** the **EnrichmentPlugin** interface
3. **Wrap** the plug-in in a jar file
4. **Place** the jar file under:  
`$primo_dev/ng/primo/home/profile/publish/publish/production/conf/enrichPlugin/lib/`
5. **Edit** the following XML file to include the wanted plug-in to be run:  
`$primo_dev/ng/primo/home/profile/publish/publish/production/conf/enrichPlugin/custom_enrich_tasks_list.xml`
6. **Edit** the following parameter file if needed:  
`$primo_dev/ng/primo/home/profile/publish/publish/production/conf/enrichPlugin/plugin_parameters.txt`
7. **Enable** “User Plug-in Enrichment” in the Back Office



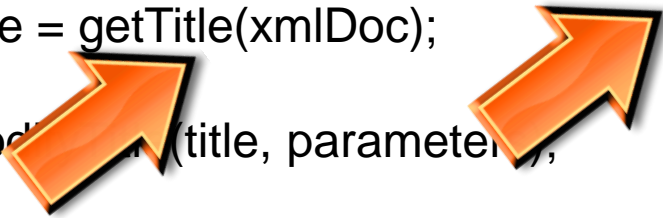
## 2. Implement **EnrichmentPlugin** Interface

### Interface:

```
public interface EnrichmentPlugin {  
  
    public Document enrich(Document xmlDoc, Map parameters);  
}
```

### Implementation:

```
public class DemoEnrichmentPlugin implements EnrichmentPlugin {  
    public Document enrich (Document xmlDoc, Map parameters) {  
        String title = getTitle(xmlDoc);  
        title = modify(title, parameters);  
        updateTitle(xmlDoc, title);  
  
        return xmlDoc;  
    }  
}
```





# 3. Wrap the Plug-in in a Jar File

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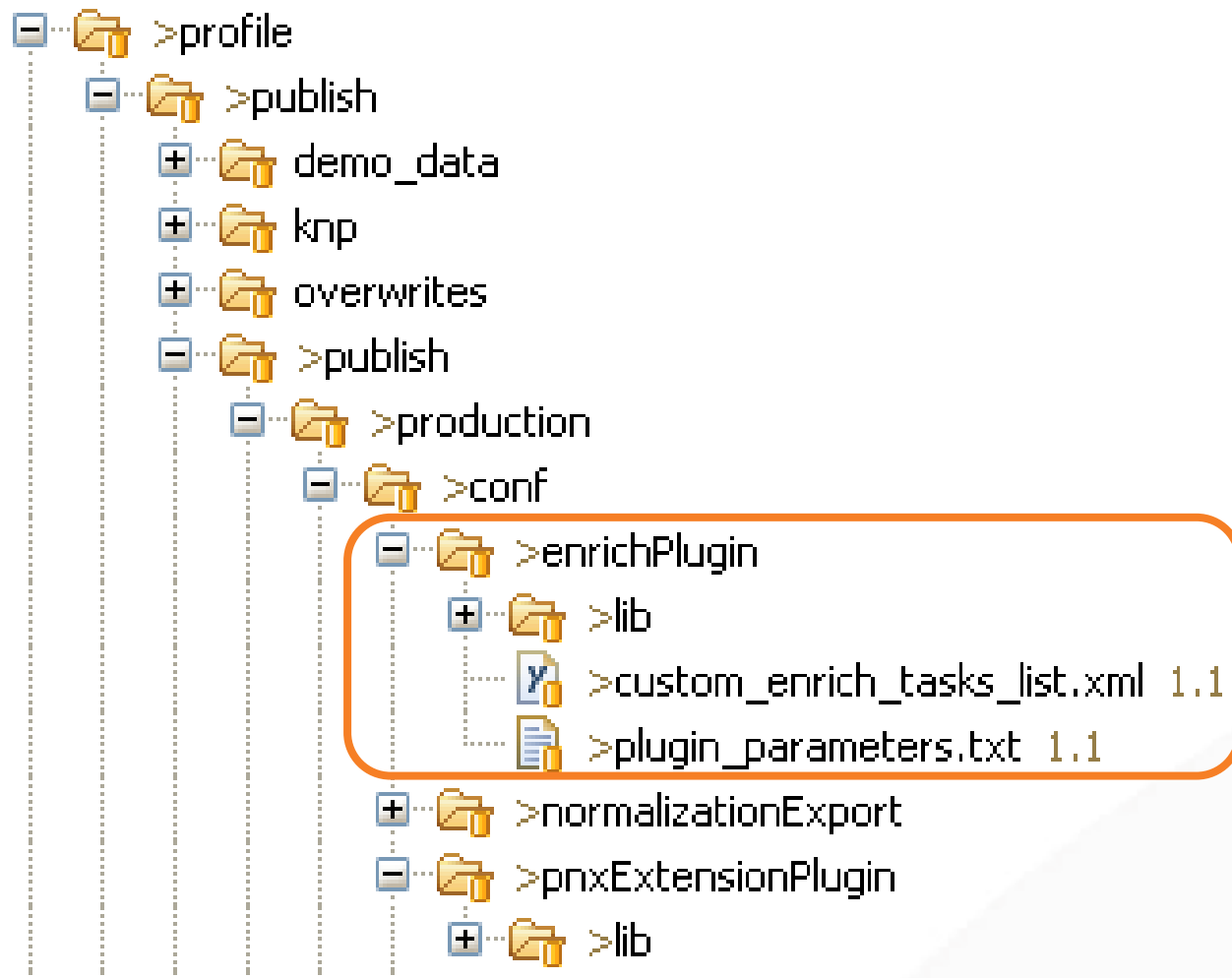
```
jar cvf demo_enrichment_plugin.jar DemoEnrichmentPlugin.class
```

Jar name  
to be created

File to be included  
in the jar



# 4. Place The Jar File





## 5. Edit XML File to Include the Plug-in

custom\_enrich\_tasks\_list.xml

```
<?xml version = "1.0" encoding = "UTF-8"?>

<tasksConfiguration>
  <tasksPackage>com.exlibris.primo.publish.platform.nep.enrichment</tasksPackage>
  <tasksList>
    <taskName>DemoEnrichmentPlugin</taskName>
    <!-- <taskName>UserPlugInTest2</taskName> -->
  </tasksList>
</tasksConfiguration>
```







# 7. Configure Enrichment Sets in BO

Enable the "User Plug in Enrichment" for the enrichment set configuration:

[Primo Home](#) > [Ongoing Configuration Wizards](#) > [Pipe Configuration Wizard](#) > **Enrichment Sets Configuration**

> **Enrichment Sets**

Set:

**Enrichment Rules in Enrichments Set Horizon**

| Step | Enabled                             | Enrichment Name               | Description                       |
|------|-------------------------------------|-------------------------------|-----------------------------------|
| 1    | <input type="checkbox"/>            | RVK Classification Enrichment | Ranges Enrichment Task            |
| 2    | <input type="checkbox"/>            | Availability Enrichment       | Availability Enrichment Task      |
| 3    | <input type="checkbox"/>            | LCC Enrichment                | LCC Enrichment Task               |
| 4    | <input type="checkbox"/>            | Remove Double Angle Brackets  | Remove Double Angle Brackets Task |
| 100  | <input checked="" type="checkbox"/> | User Plugin Enrichment        | User Plugin Enrichment Task       |

[Cancel & Go Back](#)  
To Enrichment Sets

enable checkbox



# Bib Record Import Extensions

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After a Bib Record is already loaded into the system, we might still want to add additional information to be linked to this record.

## Supported extension types:

- Tags (searchable & displayed)
- Popularity (sort by)
- TOC (searchable)
- Abstract (searchable)
- Fiction (searchable)
- Reviews (displayed)

# Bib Record Import Extensions

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The *extension data* is given by external organizations such as :

- Syndetics (TOC, Abstract, Fiction)
- LibraryThing (Tags, Reviews)
- ...

This mechanism was designed in a way that enables programmers to develop their own loading mechanism to support different sources that provide such extensions.

# Developing Import Extensions Plug-in

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- 1. Extract** the primo\_publishing-api.jar from within the primo installation directory

Location:

`$primo_dev/ng/primo/home/system/publish/client/`

- 2. Implement** the **PNXExtensionPlugin** interface

- 3. Wrap** the plug-in in a jar file

- 4. Place** the jar file under:

`$primo_dev/ng/primo/home/profile/publish/publish/production/conf/enrichIndexingPlugin/lib/`

- 5. Add** the plug-in to the “PNX Extension Sources” mapping table

## 2. Implement PNXExtensionPlugin Interface

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### Interface:

```
public interface PNXExtensionPlugin {  
  
    void convert(String src, String dest) throws Exception;  
}
```

### Implementation:

```
public class DemoPNXExtensionPlugin implements PNXExtensionPlugin {  
    public void Convert(String src, String dest) throws Exception {  
  
        File sourceFile = openFile(src);  
  
        File pnxImportFile = convertFile(sourceFile);  
  
        saveFile(pnxImportFile, dest);  
    }  
}
```

# 5. Back Office Configuration

## Adding Plug-in to PNX Extension Sources Mapping Table

### > Mapping Tables

Sub System :

Table Name :

#### Mapping Table Rows

| Enabled                             | Source System        | Type                 | FileNamesFormat      | Uniqueness strategy | Conversion Class      | Description          |
|-------------------------------------|----------------------|----------------------|----------------------|---------------------|-----------------------|----------------------|
| <input type="checkbox"/>            | <input type="text"/> | <input type="text"/> | <input type="text"/> | Select Value ▾      | <input type="text"/>  | <input type="text"/> |
| <input checked="" type="checkbox"/> | Syndetics            | TOC                  | .*tableofcontent     | Update ▾            | com.exlibris.primo.pu | Table of Contents    |
| <input checked="" type="checkbox"/> | Syndetics            | ABSTRACT             | .*summary.*          | Update ▾            | com.exlibris.primo.pu | Abstract (Summary)   |
| <input checked="" type="checkbox"/> | Syndetics            | FICTION              | .*fiction.*          | Update ▾            | com.exlibris.primo.pu | Fiction Profile      |
| <input checked="" type="checkbox"/> | LibraryThing         | TAG                  | LibraryThingTa       | New ▾               | com.exlibris.primo.pu | LibraryThing TAGs    |
| <input checked="" type="checkbox"/> | LibraryThing         | REVIEW               | LibraryThingRe       | New ▾               | com.exlibris.primo.pu | LibraryThing Reviews |

Table Description:

#### Create a New Mapping Row

| Source System        | Type                 | FileNamesFormat      | Uniqueness strategy | Conversion Class     | Description          |
|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | Select Value ▾      | <input type="text"/> | <input type="text"/> |

# 5. Back Office Configuration

## Primo Back Office

[Primo Home](#) > [Primo Tools](#) > [Import PNX Extensions](#)

### > Import PNX Extensions

Source Name: \*

Content Type: \*

Harvesting method: \*

Source directory: \*

Start harvesting files/records from: \*  

Email:

# Thank You!

[traininghq@exlibrisgroup.com](mailto:traininghq@exlibrisgroup.com)

