

# The properties Module

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## 1. Introduction

The `properties` module provides a service (`InputModule`) to configure publications using properties. The idea is to have a fallback of properties.

## 2. Sample

```
<properties>
  <property name="pubs.default.author" value="Miguel de Cervantes Saavedra"/>
</properties>
```

## 3. Order of precedence

### Note:

The first values set get precedence, as in `AntProperties`

1. Publication (lazy loaded in `loadPublicationPropertiesIfNotDone()`)
2. Lenya local
3. Modules (all modules, not only the ones referenced in the publication)
4. Lenya

## 4. Locations

1. `{pubDir}/lenya.properties.xml`
2. `$LENYA_HOME/src/webapp/local.lenya.properties.xml`
3. `{module}/lenya.properties.xml`
4. `$LENYA_HOME/src/webapp/lenya.properties.xml`

## 5. Usage

To activate your properties you need to save the above sample file in one of the above locations.

1. Publication - on a publication level you are able to implement all properties and override all possible default ones.
2. Lenya local - use this for global properties for all your lenya based pubs
3. Modules - modules can use properties to allow user to override module specific properties.
4. Lenya - global default properties

### 5.1. sitemap.xmap

Since the `properties` module is a cocoon input module, you can use it as any other input module.

```
...
<map:transform src="cocoon:/getDoctypeXSLT/{4}">
  <map:parameter name="author" value="{properties:pubs.default.author}"/>
  ...
</map:transform>
```

## **5.2. java**

In your custom cocoon components use like follows.

```
InputModule inputModule = null;
ServiceSelector selector = null;
String propKey = "pubs.default.author";
try {
    selector = (ServiceSelector) m_manager.lookup(InputModule.ROLE + "Selector");
    inputModule = (InputModule) selector.select("properties");
    String propValue = (String) inputModule.getAttribute(propKey, null,
        objectModel)
    ...
}
```