



**AGETOR®**

AXT Content Based  
Document Flow

## Table of contents

1	Prerequisites .....	3
2	Description .....	3
3	Installation .....	3
4	Configuration example .....	4
4.1	Description of the configuration .....	4
4.2	Example .....	5
4.3	Error handling .....	5

## 1 Prerequisites

To use the CBDF filter (DocumentFlowFilter) a basic understanding of the AXT flow is an advantage. Also understanding how documents are posted to AXT to invoke a configuration entrance is recommended.


## 2 Description

AXT Content Based Document Flow (CBDF) basically meets the need of invoking AXT configuration entrances based upon the content of the incoming document. For instance if you want to decide which AXT documentation entrance you want to invoke based on one or more names in the received document then you can do this with the DocumentFlowFilter.

The DocumentFlowFilter extracts one or several XML Element(s) from the content of the received document based upon a path to the given element configured in the AXT configuration.

## 3 Installation

This section gives you step-by-step information on how to install AXT CBDF.

 The newest version of AXT CBDF is always available at the Bording Data download center at <http://www.agetor.dk>.

Before you begin the installation of the AXT CBDF, make sure you have the following prerequisites installed:

- Java Development Kit (JDK) version 1.3 or newer.
- AGETOR Development Kit (ADK) version 2.0.0 or newer.
- AXT version 2.0.0 or newer.
- Webserver with servlet runner e.g. Jakarta-Tomcat or Apache with Apache JServ.

Download the newest version of the AXT CBDF and copy the package into your "AGETOR\_HOME/install/packages" directory. If you are upgrading an existing installation the existing configuration will be retained.

- Open a command window with "AGETOR\_HOME/bin/prompt.bat" and run "installer.bat".
- After the AGETOR® installtool has started open a Internet browser and point to "http://localhost:8020".
- If prompted for login and password, please type in your login and password.
- Under "Product(s) ready to install" click on "AXT CBDF 2.0.0" and answer the few questions.

Please note, that new properties might have been added and you should always consult the release.txt for any changes you might need to incorporate.

## 4 Configuration example

Document entrance added to AXTCOnfiguration.xml:

```
<axt-conf xmlns="http://www.bording.dk/2001/AXT/config">
  <doc name="cbdf entrance">
    <key name="ip" value="*" />
    <key name="content-type" value="text/xml" />
    <key name="url" value="cbdf" />
    <filter class="dk.bording.axt.tc.cbdf.DocumentFlowFilter">
      <param name="xpathkey:user" value="/doc/user" />
      <param name="xpathkey:url" value="/doc/url" />
      <param name='deletedocparams' value='false' />
      <param name='otherparam' value='as many as you like' />
      <param name="posturl"
        value="http://axtserver/servlet/dk.bording.axt.server.ContainerServlet" />
      <param name='xmlencoding' value='iso-8859-1' />
    </filter>
  </doc>
</axt-conf>
```

### 4.1 Description of the configuration

The filter configured in the above example is the DocumentFlowFilter. This filter takes a number of parameters:

Parameter name	Parameter possible values	Parameter description
xpathkey:xxx  where xxx is the name of the parameter you want to extract from the incoming document.	A valid XPath which matches a XML Element on the form <xxx>value</xxx>.	The extracted value is used combined with the xxx as a name-value pair to post to the configured url. E.g. the xpathkey:url with value "/url" extracts the value from the tag "<url>someurl</url>" and adds the new name-value pair (name="url" value="someurl") to be included when posting to the URL.
posturl	A valid url to post the incoming document to included the params extracted from the Xpath keys.	If no default URL is given the axt.server.url property is used. If this property is not found, the DocumentFlowFilter assumes that the AXT server which the filter should invoke is running on the same computer (localhost) and uses the URL http://localhost/servlet/dk.bording.axt.server.ContainerServlet
deletedocparams	True or false, yes or no.	Indicates whether the extracted parameters should be deleted and not be part of the document.
xmlencoding	All xml character xml encodings. Default value is "ISO-8859-1"	The xmlencoding is the encoding that is in the xml prologue at the very top of the produced xml document. E.g. if the "xmlencoding"-parameter is "MyEncode" then the following string will appear at the very beginning of the produced document; <?xml version="1.0" encoding="MyEncode"?>

If you need to add other parameters to be used as part of the invocation of document entrances, then you can just add these parameters as part of the filter parameters. E.g. if you know that the DocumentFlowFilter always should use a parameter “user” with the value “admin” then this parameter can be added to the filter;

```
<param name='user' value='admin'/>.
```

## 4.2 Example

AXTConfiguration.xml:

```
<axt-conf xmlns="http://www.bording.dk/2001/AXT/config">
  <doc name="cbdf entrance">
    <key name="ip" value="*" />
    <key name="content-type" value="text/xml" />
    <key name="url" value="cbdf" />
    <filter class="dk.bording.axt.tc.cbdf.DocumentFlowFilter">
      <param name="xpathkey:user" value="/doc/user"/>
      <param name="xpathkey:url" value="/doc/url"/>
      <param name='deletedocparams' value='true'/>
      <param name='otherparam' value='as many as you like'/>
      <param name="posturl"
        value="http://axtserver/servlet/dk.bording.axt.server.ContainerServlet"/>
    </filter>
  </doc>

  <doc name="copyer">
    <key name="ip" value="*" />
    <key name="content-type" value="text/xml" />
    <key name="url" value="copyer" />
    <key name="user" value="superuser" />
  </doc>
</axt-conf>
```

A XML document posted to the AXT server URL with name="url" value="cbdf" in the header:

```
<?xml version="1.0"?>
<doc>
  <user>superuser</user>
  <url>copyer</url>
  <content>
    This is the content of the XML document!
  </content>
</doc>
```

When the XML document is posted to the AXT server URL, it hits the cbdf document entrance. The user and url parameters are extracted according to the two xpathkeys and these tags are deleted from the document (deletedocparams=true) before this is posted to the URL, given by the posturl parameter. In this case the document hits the copyer entrance.

## 4.3 Error handling

When an AXT error occurs, CBDF throws an:

```
dk.bording.axt.tc.cbdf.DocumentFlowFilterException
```

An error router in AXT can catch this exception.