

# YADE - Reference Documentation - Parameter Reference

## Introduction

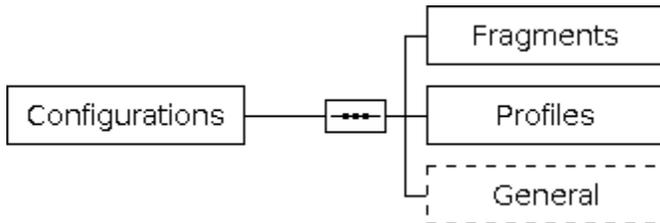
- The Parameter Reference is used for configuring YADE file transfer settings.
- The Parameter Reference is generated from the latest version of the XSD schema in [YADE - Reference Documentation - XSD Schema Reference](#) and includes additional explanations of configuration elements.
- The [YADE - User Manual](#) provides an overview of features, explains use cases and includes references to this documentation.

### Status of Documentation

- The [Parameter Reference](#) explains the structure of configuration elements that is intended for future YADE releases.
  - **FEATURE AVAILABILITY STARTING FROM RELEASE 1.11**
  - YADE shifts from plain text configuration files (.ini format) to [XML Configuration](#) files.
    - For releases 1.9 and 1.10 the plain text configuration files are maintained.
    - For releases 1.11 and later XML Configuration will be available as documented.
  - YADE releases correspond to the following XSD schema file versions:
    - YADE releases 1.9 up to 1.11 use [https://www.sos-berlin.com/schema/yade/YADE\\_configuration\\_v1.0.xsd](https://www.sos-berlin.com/schema/yade/YADE_configuration_v1.0.xsd)
    - YADE releases 1.12 use [https://www.sos-berlin.com/schema/yade/YADE\\_configuration\\_v1.12.xsd](https://www.sos-berlin.com/schema/yade/YADE_configuration_v1.12.xsd)
- The [Parameter Reference for releases 1.10 and older](#) is available for reference.
- The [Parameter Mapping](#) is intended for users of YADE releases before 1.11 who want to benefit from the Parameter Reference documentation.
  - Mapping tables assist to identify XML configuration elements and plain text configuration items (.ini format).
- The [XML Editor](#) is schema-aware and can be used to create valid XML configurations.
- The [YADE - User Manual](#) is available and under continuous extension.

## Parameter Reference

### Diagram



### Elements

Configurations			
<b>References</b> <ul style="list-style-type: none"> <li>• Schema: <a href="#">Configurations</a></li> <li>• Parameter: <a href="#">Configurations</a></li> <li>• Mapping:                             <ul style="list-style-type: none"> <li>• <a href="#">settings</a></li> </ul> </li> </ul>			
<b>Notes</b> <p>The root element of a YADE configuration file.</p> <p>This element can be assigned the location of the XSD schema, e.g. <a href="http://www.sos-berlin.com/schema/yade/YADE_configuration_v1.12.xsd">http://www.sos-berlin.com/schema/yade/YADE_configuration_v1.12.xsd</a></p> <p>We recommend to assign the XSD schema version for which the YADE configuration has been created. This allows to validate a YADE configuration file with the XSD schema version that is was designed for.</p>			
Element	Type	Required	Description
Fragments	<ul style="list-style-type: none"> <li>• Occurrence: 1</li> </ul>	Required	<b>References</b> <ul style="list-style-type: none"> <li>• Schema: <a href="#">Fragments</a></li> <li>• Parameter: <a href="#">Fragments</a></li> </ul> <b>Notes</b> <p>The branch element for reusable transfer configuration.</p> <p>Subsequent fragments are used e.g. for file transfer specifications, notifications, mail server settings, that can be used in a number of file transfer <a href="#">Profiles</a>.</p> <p>A fragment specifies how a file transfer is carried out whereas a <a href="#">Profile</a> specifies what should be transferred. Therefore multiple profiles can use the same fragments, e.g. to transfer different files from the same source or to reuse the same transfer specification as the source and the target in different transfer operations.</p>

Profiles	<ul style="list-style-type: none"> <li>• Occurrence: 1</li> </ul>	Required	<p><b>References</b></p> <ul style="list-style-type: none"> <li>• Schema: <a href="#">Profiles</a></li> <li>• Parameter: <a href="#">Profiles</a></li> </ul> <p><b>Notes</b></p> <p>A profile specifies the operation and the settings that are used for a file transfer. Multiple profiles can be included in a YADE configuration.</p>
General	<ul style="list-style-type: none"> <li>• Occurrence: 0..1</li> </ul>	Optional	<p><b>References</b></p> <ul style="list-style-type: none"> <li>• Schema: <a href="#">General</a></li> <li>• Parameter: <a href="#">General</a></li> </ul> <p><b>Notes</b></p> <p>The <i>General</i> configuration options refer to central settings that are applied to all file transfer configurations such as use of the YADE Background Service and logging.</p> <p>Some settings from the <i>General</i> branch can be superseded by <a href="#">Profile</a> settings that apply to an individual file transfer configuration.</p> <p>The specification of <i>General</i> configuration parameters is not mandatory.</p>

## Explanations

The XML file transfer configuration that is introduced with version 1.11 of the YADE Client uses an XSD schema to define relationships between parameters and which parameters can be used together.

The top two levels of the schema are shown in the diagram at the top of this page:

The Configurations element is the top level element in the transfer configuration and has three child elements, representing three main branches of the configuration:

- **Fragments branch:**
  - Parameters set in the *Fragments* configuration branch specify *how* the transfer is to be carried out.
  - An example transfer fragment could specify that FTP protocol should be used, via a SOCKS5 proxy on a particular port, with password authentication.
  - At least a minimum set of *Fragments* parameters is required.
  - More than one transfer method can be specified in the *Fragments* branch.
  - *ProtocolFragments* can be thought of as a library of predefined transfer configurations that can be called up as required.
  - The transfer method that will be used is specified as a reference in the *Profiles* configuration branch.
- **Profiles branch:**
  - *Profiles* are the central defining file transfer elements - it is a profile that is called when a file transfer is to be carried out.
  - The *Profiles* element specifies *what* is to be done - i.e. the operations involved.
  - An example transfer *Profile* could specify that files are to be moved from a source to a target and renamed.
  - At least a minimum set of *Profile* parameters is required.
- **General branch:**
  - The *General* Configuration options refer to central settings that are applied to all file transfer configurations such as use of the YADE Background Service and logging.
  - Some settings from the *General* branch can be superseded by [Profile](#) settings that apply to an individual file transfer configuration.
  - The specification of *General* configuration parameters is not mandatory.

In addition there are:

- **Reusable elements**
  - (Not shown on the diagram above.) [Reusable Elements](#) can be included at different points in the configuration as allowed in the schema - eventually more than once.
  - Example Reusable Elements are:
    - the *BasicConnection* element, which requires a *Hostname* and optionally a *Port* and can be used, for example, in an *FTPFragment* and *FTPSFragment* but not in a *HTTPFragment*.
    - the *ProxyForFTPS* element, which requires that either a *SOCKS4Proxy* or a *SOCKS5Proxy* is specified and can only be used in an *FTPSFragment*.

Note that both the *SOCKS4Proxy* and *SOCKS5Proxy* elements are themselves Reusable Elements.