

IngestTool Configuration

In the WebRoot/WEB-INF/conf directory, there should be an IngestTool.properties file with the following configurations:

Shared Configurations:

- DB connection information for the tracking DB:
 - jdbcDriver
 - Sets the JDBC driver class
 - defaults to: oracle.jdbc.OracleDriver
 - jdbcPath
 - Sets the JDBC path, for example: jdbc:oracle:thin:@ora-iudl-dev.dlib.indiana.edu:1521:iudl
 - No default
 - jdbcUsername
 - Sets the JDBC username to use when connecting to the jdbcPath, for example: infrastructure
 - No default
 - jdbcPassword
 - Sets the JDBC password to use when connecting to the jdbcPath, for example: ey3nEff
 - No default

Startup Servlet Configurations:

- Background execution configuration:
 - javaExecutable
 - This is the full path of the java application to use when running the worker process.
 - Defaults to: C:/Sun/AppServer/jdk/bin/java.exe
 - javaArgs.[num]
 - These are the arguments to pass to the javaExecutable when running the worker process.
 - The defaults are as follows (remove linebreaks):
 - javaArgs.1= -Djavax.xml.parsers.DocumentBuilderFactory= org.apache.xerces.jaxp.DocumentBuilderFactoryImpl
 - javaArgs.2= -Djavax.xml.parsers.SAXParserFactory= org.apache.xerces.jaxp.SAXParserFactoryImpl
 - javaArgs.3= -Djavax.xml.transform.TransformerFactory= net.sf.saxon.TransformerFactoryImpl
 - javaArgs.4= -Djavax.xml.xpath.XPathFactory= net.sf.saxon.xpath.XPathFactoryImpl
 - javaArgs.5= -Djavax.xml.xpath.XPathFactory:<http://saxon.sf.net/jaxp/xpath/om>= net.sf.saxon.xpath.XPathFactoryImpl
 - javaArgs.6= -Xmx1536M
 - javaWorker
 - This is the worker class to execute
 - Defaults to: edu.indiana.dlib.fedora.server.ingestTool.IngestToolWorker

Worker Configurations:

- Fedora configurations:
 - fedoraVersion
 - This is the version of Fedora that we will connect to. Must be 2.0 or 2.1 (In 2.1 mode, the normal operation is to do uploads via (SSL) https://, and ingests via http://)
 - Defaults to: 2.1
 - fedoraServer
 - This is the Fedora server to connect to.
 - Defaults to: localhost
 - fedoraPort
 - This is the port of the Fedora server.
 - Defaults to: 8080
 - fedoraUploadPort
 - This is the port for upload (and other secure processes?) on the Fedora server. Only valid for version 2.1 and beyond.
 - Defaults to: 8443
 - fedoraUsername
 - This is the username for the Fedora Server, for example: fedoraAdmin
 - No default.
 - fedoraPassword
 - This is the password for the Fedora Server, for example: fedoraAdmin
 - No default.
 - advanced:
 - fedoraUploadUsername
 - This is the username for upload (and other secure functions?) on the fedora server. Only valid in version 2.1 and beyond.
 - Defaults to the same username as specified by fedoraUsername
 - fedoraUploadPassword
 - This is the password for upload (and other secure functions?) on the fedora server. Only valid in version 2.1 and beyond.

- Defaults to the same password as specified by fedoraPassword
- fedoraMethod
 - This is the Fedora access method.
 - Defaults to: http://
- fedoraUploadMethod
 - This is the Fedora access method for upload (and other secure functions?). Only valid in versions 2.1 and beyond.
 - Defaults to: https://
- fedoraAccessURI
 - Defaults to: /fedora/services/access
- fedoraManagementURI
 - Defaults to: /fedora/services/management
- fedoraUploadURI
 - Defaults to: fedora/management/upload
- fedoraGetURI
 - Defaults to: /fedora/get
- fedoraCerts
 - This is the java keystore of trusted keys. It is located in the webroot folder, and should be a file that comes from the fedora distribution. This is essential for version 2.1. (Note, it might be a good idea to remove the hardcoded path to the webroot folder in the code, and allow for that to be provided here. Just s thought)
 - Defaults to: truststore
- User-level Logging Configuration
 - loggingSender
 - This is who the mailed logs appear to come from, for example: erpeters@indiana.edu
 - There is no default
 - loggingSubject
 - This is the subject of the emailed log files, for example: IngestTool Output...
 - There is no default
 - loggingSMTPServer
 - This is the SMTP server to use when emailing logs, for instance: rhyme.dlib.indiana.edu
 - There is no default
 - log4jConfigFile
 - This is the location of the server log configuration file.
 - Defaults to: .log4j.properties
- Default missing image configuration:
 - missingImage
 - This is the path to the default image to use when images are not available, for example: resources/unavailable.jpg
 - There is no default.
- Debug configuration:
 - testingWorker
 - Defines if any of the testing flags will be functional
 - Defaults to: false
 - testingSingleItem
 - If set to true, only 1 item will be processed, and the processing will end. The processing will end regardless of the success or failure of the single item ingest.
 - Defaults to: false
 - testingFakeFedora
 - This will fake all Fedora calls, imitating a success. This is used for quickly testing logical flow, or for development while Fedora is off-line.
 - Defaults to: false
 - testingSkipAnalysis
 - This will skip the (lengthy) analysis steps.
 - Defaults to: false
- Behavior configurations:
 - ingestSleepTime
 - This is a sleep time for the worker to pause between each ingestion. Unfortunately, the process is very greedy, so it will rest to let others get Fedoras attention from time to time.
 - Defaults to: 250
 - commRetryCount
 - This is the number of times the ingest tool will retry a fedora operation in the event of a connection reset or refused error.
 - Defaults to: 5
 - commRetryDelay
 - This is the delay between retries of a fedora operation in the event of a connection reset or refused error.
 - Defaults to: 5000