Specify Working Directories for Agent Files

<div style="background-color:#C9A227; color:white; padding:8px; width:150px; text-align:center;">**Gold**</div>

By default the **conf**, **logs** and **perspectium_data** directories will be saved in the directory where the DataSync Agent is installed. However, you can specify a different "working directory" for these files/directories.

The directories that can be moved to a different working directory contain the following files:

- **conf** - The configuration directory holds the agent.xml and log4j2.xml configuration files
- **logs** - The directory that holds the Agent's log files
- **perspectium_data** - The directory that holds temporary data while the Agent runs. By default, the **perspectium_data** directory is created in the **bin** directory. The **perspectium_data** directory is generated automatically when the Agent starts.

blocked URL **NOTE:** You will still need to keep a **conf** directory in the directory where the Agent is installed. However, in the new working directory that you specify you must also create a **conf** directory containing your **agent.xml** and **log4j2.xml** files. The **perspectium_data** directory will be generated in the first level of the working directory alongside these two directories when the Agent starts.

Prerequisites

⚠️ First, you will need to set up one of the Perspectium DataSync Agents.

⚠️ You should also stop running your DataSync Agent before making any Agent configuration changes.

Procedure (Windows)

To specify working directories for the Agent in Windows, follow these steps:

1

Access the agent.bat file

Locate the **agent.bat** file in the directory where the Agent was installed.

2

Update the working directory

Open the **agent.bat** file in your preferred text editing application and locate the following line in the file:

SET JAVA_ARGS=-Xmx%2 -Dfile.encoding=UTF-8 -Dlog4j.configurationFile="%~dp0..\conf\log4j2.xml" -Dcom.perspectium.working.directory="**DIRECTORY_PATH**" -classpath "%~dp0..\jars*";"%~dp0..\extlib*" com.perspectium.replicator.Replicator

Replace this line with:

SET JAVA_ARGS=-Xmx%2 -Dfile.encoding=UTF-8 -Dlog4j.configurationFile="**DIRECTORY_PATH**\conf\log4j2.xml" -Dcom.perspectium.working.directory="**DIRECTORY_PATH**" -classpath "%~dp0..\jars*";"%~dp0..\extlib*" com.perspectium.replicator.Replicator

where **DIRECTORY_PATH** is the full path for the working directory where you want to save these directories.

3

Continue updating the working directory

Also within the **agent.bat** file, locate this line:

SET JAVA_ARGS=-Dfile.encoding=UTF-8 -Dlog4j.configurationFile="%~dp0..\conf\log4j2.xml" -Dcom.perspectium.working.directory="**DIRECTORY_PATH**" -classpath "%~dp0..\jars*";"%~dp0..\extlib*" com.perspectium.replicator.Replicator

Replace this line with:

SET JAVA_ARGS=-Dfile.encoding=UTF-8 -Dlog4j.configurationFile="**DIRECTORY_PATH**\conf\log4j2.xml" -Dcom.perspectium.working.directory="**DIRECTORY_PATH**" -classpath "%~dp0..\jars*";"%~dp0..\extlib*" com.perspectium.replicator.Replicator

where **DIRECTORY_PATH** is the full path for the working directory where you want to save these directories.

4

Update where logs will be saved (optional)

Open up the the log4j2.xml file in the **conf** folder of your new working directory(i.e. **DIRECTORY_PATH**\conf\log4j2.xml) in your preferred text editing application and locate the following line in the file:

<RollingRandomAccessFile name="FILE" fileName="**../logs/perspectium.log**" filePattern="**../logs/perspectium-%d{MM-dd-yyyy}-%i.log.gz**">

Replace this line with:

<RollingRandomAccessFile name="FILE" fileName="**DIRECTORY_PATH/logs/perspectium.log**" filePattern="**DIRECTORY_PATH/logs/perspectium-%d{MM-dd-yyyy}-%i.log.gz**">

where **DIRECTORY_PATH** is the full path for the working directory where you want to save the Agent's log files.

Procedure (Linux)

To specify working directories for the Agent in Linux, follow these steps:

1

Access the wrapper.conf file

Locate the **wrapper.conf** file within the **conf** directory of the directory where Agent is installed.

2

Update the working directory

Open the **wrapper.conf** file in your preferred text editing application and locate the following line in the file:

wrapper.java.additional.2=-Dlog4j.configurationFile=file:../conf/log4j2.xml

Replace this line with:

wrapper.java.additional.2=-Dlog4j.configurationFile=file:**DIRECTORY_PATH**/conf/log4j2.xml

3

Continue updating the working directory

Directly under the updated line in the previous step, add another line:

wrapper.java.additional.3=-Dcom.perspectium.working.directory=**DIRECTORY_PATH**

where **DIRECTORY_PATH** is the full path for the working directory where you want to save these folders.

4

Update where logs will be saved (optional)

Open up the the log4j2.xml file in the **conf** folder of your new working directory(i.e. **DIRECTORY_PATH**\conf\log4j2.xml) in your preferred text editing application and locate the following line in the file:

<RollingRandomAccessFile name="FILE" fileName="**../logs/perspectium.log**" filePattern="**../logs/perspectium-%d{MM-dd-yyyy}-%i.log.gz**">

Replace this line with:

<RollingRandomAccessFile name="FILE" fileName="**DIRECTORY_PATH/logs/perspectium.log**" filePattern="**DIRECTORY_PATH/logs/perspectium-%d{MM-dd-yyyy}-%i.log.gz**">

where **DIRECTORY_PATH** is the full path for the working directory where you want to save the Agent's log files.

Similar topics

- Change data types
- DataSync Agent field type mappings
- Monitoring DataSync Agent logs
- Skip altering of database tables
- Specify Working Directories for Agent Files

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