



Informatica® PowerExchange CDC Publisher
1.0

Release Notes

Informatica PowerExchange CDC Publisher Release Notes

1.0

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About the Release Notes

This document contains important information about Informatica PowerExchange CDC Publisher version 1.0.

For documentation on installing and using the product, see the *PowerExchange CDC Publisher User Guide* PDF. Informatica updates product documentation PDFs, as needed. To get the latest PDF, go to the Informatica Knowledge Base at

https://kb.informatica.com/_layouts/ProductDocumentation/Page/ProductDocumentSearch.aspx.

CHAPTER 1

Introducing PowerExchange CDC Publisher

The PowerExchange CDC Publisher is a new Java-based tool that streams change data that has been captured from a PowerExchange data source to a target Apache Kafka messaging system. This tool is licensed as an option of the PowerExchange CDC product.

The following PowerExchange data sources are supported:

- On z/OS: Adabas, Datacom, DB2 for z/OS, IDMS, IMS, CICS/VSAM, and Batch VSAM
- On i5/OS: DB2 for i
- On Linux, UNIX, and Windows: DB2 for Linux, UNIX, and Windows, Microsoft SQL Server, and Oracle

The only supported target is currently Apache Kafka.

The PowerExchange CDC Publisher must run on a Red Hat Linux or Windows machine. Because the CDC Publisher retrieves change data from PowerExchange Logger for Linux, UNIX, and Windows log files, it requires that you use the PowerExchange Logger in your PowerExchange environment. You can run the CDC Publisher on the PowerExchange Logger or data source machine or on a machine that is remote from the PowerExchange Logger and data source. The CDC Publisher acts like a client of PowerExchange and target messaging system.

The PowerExchange CDC Publisher consists of the following command-line utilities:

- `PwxCDCPublisher` - The main utility for streaming PowerExchange change data to the target messaging system.
- `PwxCDCAdmin` - The utility for performing administrative functions, such as shutting down the `PwxCDCPublisher` process.
- `PwxCDCInfo` - The utility for reporting the color-coded status of the `PwxCDCPublisher` process and each of its main subprocesses. This utility can also report statistics and state information for each Kafka topic and for diagnostic attributes.

When you start the main `PwxCdcPublisher` utility from a command prompt, it performs the following processing:

1. Retrieves the PowerExchange extraction maps that define the data source objects.
2. If you configure filtering criteria, filters the extraction maps.
3. Starts an extraction process that reads change data from PowerExchange Logger log files for the source objects.
4. When the first change for an extraction map is received, generates an Avro schema.
5. Formats the change data into Kafka messages based on the Avro schema.
6. Connects to the Kafka target and sends the messages to the target. Consumer applications can then read the data from Kafka.

For detailed information about installing, configuring, and using the CDC Publisher, see the *PowerExchange CDC Publisher User Guide*.

CHAPTER 2

Known Limitations

The following table describes known limitations:

Bug	Description
PWXPUB-40	<p>When you restart the PwxCDCPublisher utility with the <code>RESTART=FROM_END</code> parameter, the CDC Publisher does not set the checkpoint to the end-of-log position. The checkpoint is updated only when the CDC Publisher sends change data to the target. If no change data is sent, the recorded checkpoint remains unchanged. In this situation, the next time you restart the utility, it starts from the last recorded checkpoint instead of from the end-of-log position that was requested for the previous restart.</p> <p>Workaround: If you want to restart PwxCDCPublisher utility from the previously requested end-of-log position, specify <code>RESTART=FROM_CONFIG</code> and use the <code>Extract.restart1</code> and <code>Extract.restart2</code> properties to specify the restart point.</p>
PWXPUB-3	<p>The PowerExchange CDC Publisher does not automatically exclude extraction maps that are associated with capture registrations that have the status of Inactive, History or Suspended. The CDC Publisher will not publish change data based on these extraction maps for the registered source objects.</p> <p>Workaround: You can exclude the extraction maps from CDC Publisher processing to reduce resource consumption by using the <code>Extract.captureConsumerExcludeNameList</code> configuration property. First ensure that any change data that was previously captured for the source object has been published to the target messaging system. Then define the exclusion filter and restart the CDC Publisher process.</p>

CHAPTER 3

Informatica Global Customer Support

You can contact a Global Support Center by telephone or through Online Support on Informatica Network.

To find your local Informatica Global Customer Support telephone number, visit the Informatica website at the following link:

<http://www.informatica.com/us/services-and-training/support-services/global-support-centers>.

If you are an Informatica Network member, you can use Online Support at <http://network.informatica.com>.