



What's New In PDI 4.4



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Introducing Instaview

Pentaho Instaview is the fastest way to start using Pentaho Data Integration to analyze and visualize data.

Instaview uses templates to manage the complexities of data access and preparation. You can focus on selecting and filtering the data you want to explore, rather than spending time creating source connections and identifying measure and dimension fields.

Once the data has been selected, Instaview automatically generates transform and metadata models, executes them, and launches Pentaho Analyzer. This allows you to explore your data in the Analyzer desktop user interface.

With Instaview, you no longer have to set up a staging database, understand ETL transforms, learn about metadata models, or publish to a server before visualizing data. As your data requirements become more advanced, you have the ability to create your own templates and use the full power of Pentaho Data Integration (PDI).

See the *Getting Started with Pentaho Data Integration Instaview Guide* to understand and learn more about Pentaho Instaview.

What's New in 4.4?

There are several major changes between Pentaho Data Integration 4.3 and 4.4.

PDI Operations Mart

- **The PDI Operations Mart enables administrators to collect and query PDI log data into one centralized data mart for easy reporting and analysis.**
 - The operations mart has predefined samples for Pentaho Analyzer, Interactive Reporting, and Dashboards. You can create individualized reports to meet your specific needs.
- Sample inquiries include
- How many jobs or transformations have been successful compared to how many failed in a given period?
 - How many jobs or transformations are currently running?
 - What are the longest running jobs or transformations in a given period?
 - What is the highest failure rate of job or transformations in a given period?
 - How many rows have been processed in a particular time period? This enables you to see a trend of rows or time in time series for selected transformations.
 - The operations mart provides setup procedures for MySQL, Oracle, and PostgreSQL databases.
 - Install instructions for the PDI Operations Mart are available in the Pentaho InfoCenter.

Concat Fields Step

- **The Concat Fields step is used to join multiple fields into one target field.**
 - The fields can be delimited by a separator and the enclosure logic is completely compatible with the **Text File Output** step.
 - This step is very useful for joining fields as key/value pairs for the Hadoop **MapReduce Output** step.

SAS Input Step

- **The SAS Input step reads files in sas7bdat format created by SAS software.**
 - This step allows PDI developers to import files in sas7bdat format.

EDI to XML Step

- **The EDI to XML step converts EDI message text, which conforms to the ISO 9735 standard, to generic XML.**
 - The XML text is more accessible and enables selective data extraction using XPath and the **Get Data From XML** step.

New Pentaho Data Integration Software Development Kit

- ***Extending and Embedding Pentaho Data Integration* enables developers to utilize PDI beyond the out-of-the box functionality.**
 - This guide explains the mechanics of extending PDI plugins. It also explains embedding PDI functionality directly into Java applications. Pentaho provides sample code for all plugin types and embedding scenarios.