



Leverage Open-Source Benefits With the Assurance of Hitachi Vantara

Why Organizations Choose Pentaho Enterprise Edition

OVERVIEW

To protect companies from risks that can restrict or reverse productivity gains, IT departments must choose proven, best-practice solutions. Risks run the gamut, from breach of open-source IP license agreements, resulting in IP infringement, to software vulnerabilities that require fixes and updates, and can cause application downtime. Pentaho Enterprise Edition from Hitachi Vantara provides features and support that answer these challenges.



Select the Best-Fit Pentaho Edition for Your Big Data Strategy

To drive big data innovation, Hitachi Vantara offers two flavors of Pentaho: Pentaho Enterprise Edition, which is commercially supported, and Pentaho Community Edition, our contribution to the open source movement. Both offerings are built on the same core platform. However, there are major differences between the two, which impact how best to integrate Pentaho into your big data strategy, including features, packaging and support services.

Pentaho Enterprise Edition

Pentaho Enterprise Edition takes the best ideas from the community, rigorously battle tests them in multiple environments, and provides long-term support for big data success. That's why thousands of organizations choose Pentaho to meet tight deadlines, provide secure access to sensitive data, deliver on internal service level agreements (SLAs), and exceed expectations of senior leadership.

Pentaho Community Edition

This free, open-source software with core engines in the platform (Kettle, Mondrian) lets you experiment with a reduced set of features and capabilities. Extract, transform and load (ETL) limited data sets and create visualizations with Pentaho's report designer tool. It's easy to download with the source code to build yourself, or you can rely on major build releases, which are usually twice a year.

“

We didn't find any other product offering greater technological possibilities like Pentaho. It became clear very fast that we didn't want to resign from the advantages open source has. With Pentaho, we got a 100% open system we could immediately start with and easily adapt to our requirements and budget.

”

Michael Becker
Chief Inspector and Technical
Director of the Pentaho Project
German Federal Police Service
(Bundespolizei) in an [IT Novum
success story](#).

Take the Optimal Approach To Long-Term Support for Big Data Success

Benefits of open-source projects, like Pentaho Community Edition, include time to market, price and development agility. Enterprise Edition leverages these benefits while solving typical open-source software issues. Many organizations also use Enterprise Edition to ensure that updates and patches are made automatically, and that their vulnerabilities are tracked and fixes provided.

IP Risk: Navigate Open-Source Software Licenses

Don't put your code at risk. Breach of open-source licenses could result in IP infringement and a court order to release your source code.

Enterprise Edition ensures that your IP derived from Pentaho is protected from litigation. Enterprise Edition ensures that your IP built on Pentaho is protected from litigation while benefit from the innovative community, easy integration and flexibility toolset that go hand-in-hand with open-source.

Keep Business Moving: Avoid Downtime

Your choice to support your big data strategy should include just that: strong support.

Pentaho's award-winning 24/7/365 technical support provides response for critical issues, minimizing downtime and costs to your business.

Work With the Latest Secure Software

Software will inevitably have some bugs. To keep you on top of any potential issues, Pentaho's Enterprise Edition automatically sends monthly updates and patches and tracks vulnerabilities, fixes and updates.²

Pentaho's Community Edition users must track vulnerabilities and rely on the community for updates. Don't put this unnecessary responsibility on your engineers. Enterprise Edition keeps them focused on what they do best.

Engage With the Community

Both Pentaho's Enterprise Edition and Community Edition users can engage with its growing community of users in meetups.

Participate in the community to exchange stories, adopt best practices, and share plug-ins built on Pentaho's open-source platform.

Ensure Big Data Success

Using open-source code in your data pipeline may address your immediate goals. However, as your data pipelines grow in complexity, relying on a software built on legacy Pentaho components adds uncertainty to the long-term success of your data project.

Partner with Pentaho's professional services team. With over 1,500 complete projects and a customer satisfaction score of 95%, their expertise can help you achieve success with the most complex use cases.



The Case for Upgrading to Pentaho Enterprise Edition

German Federal Police (Bundespoleizei) originally selected Pentaho Community Edition because of its open-source architecture, rich comprehensive functionality, and easy integration with police data integration and data warehousing requirements. After attending several community events, Bundespoleizei recognized the value of Pentaho Enterprise Edition and partnered with IT Novum, which provided training, support, consulting and licensing. With this approach, they saved state funds and reduced manual processes by ~50%.

¹ Not all community development will be supported in future releases.

² Pentaho's community edition users must track these items themselves.

Gain of Full Suite of Technical Support and Exclusive Features With Pentaho Enterprise Edition

Backed by the reliability of Hitachi Vantara, Pentaho Enterprise Edition offers a robust set of data science capabilities, new features in major releases, and monthly service packages. These include bug fixes, enhancements, appropriate customer requests, and security advancements. Additional Enterprise-Edition-only features include:

Adaptive Execution Layer (AEL)

Futureproof your data pipelines from new and emerging big data engines. Today, AEL seamlessly switches between Pentaho's native Kettle engine and Spark.

Hitachi will ensure Pentaho's continued support of the latest engines so that developers won't need to rewrite their applications.

Robust Security Enhancements

Secure your critical and open-source applications with AES password support, Kerberos support and Sentry support for Hadoop, Hadoop high-availability support, Ranger support for Hortonworks Data Platform, and Knox security.

Conduct business with confidence in Pentaho's wide-ranging security and support.

Data Science Tools

Embed a Python execution step into your data pipeline to add data science capabilities to your transformation. Gain access to Sci-Kit, TensorFlow, Keras, deep learning frameworks, and other data science capabilities that are CPU and GPU agnostic in your pipeline.

Improve the alignment between your data preparation and model management.

Hitachi Content Platform (HCP) Connector

Use HCP to innovate better with your dark data: Extract, blend and orchestrate metadata from the object store with traditional structured and semi-structured data.

Improve data science models, customer 360 insights and efficiency, across your organization and at a fraction of the cost with HCP.



90%

90% of the effort in successful machine learning is not about the algorithm or the model or the learning. It's about logistics.

Ted Dunning and Ellen Friedman, Machine Learning Logistics

Pentaho Delivers Two Solution Versions To Meet Your Big Data Objectives

Pentaho Data Integration (PDI)	Enterprise	Community
Central repository of more than 300 steps to cleanse, blend and orchestrate data workflows	✓	✓
Basic data analysis and report building	✓	✓
PDI scheduling, and use carte on YARN to ease scalability challenges	✓	
Data science package (data mining): R script executor, Weka forecasting and Weka scoring tools, attribute-relation file format (ARFF) output, and a Python executor step for integrating data science models into workflows	✓	
Adaptive transformation execution with Spark, scalable to other engines	✓	
Splunk integration support	✓	
Native integration with Hitachi Content Platform via virtual file system	✓	
Weka integration support	✓	
Pentaho Business Analytics		
Report designer (pixel perfect, desktop)	✓	✓
Developer tools for customized dashboard creation	✓	✓
Browser-based interactive reporting	✓	
Dashboard designer	✓	
Analyzer (Pentaho's proprietary ad hoc analysis and visualization front end)	✓	
Pentaho Support Services		
Dedicated Customer Success Manager	✓	
Phone support (24/7/365)	✓	
Email support	✓	
Books	✓	✓
Forums	✓	✓

Learn more about [Pentaho Data Integration](#) > and [Pentaho Business Analytics](#). >

Ensure Big Returns on Big Data

Pentaho Community Edition offers great value and is an excellent choice for many situations. However, deploying it in a production, mission-critical environment may not be the best option. In critical environments, look to the benefits you gain from Pentaho Enterprise Edition:

- Comprehensive support of the platform.
- Monthly patch releases.
- Exclusive features and functionalities.
- One integrated platform with all tools integrated.

For modern data integration, orchestration and business analytics, choose your optimal version of the Pentaho platform: Enterprise Edition or Community Edition. Use this comprehensive software to access, prepare, blend and analyze any data from any source, while minimizing costs and risk.



Download the Pentaho Enterprise Edition 30-day trial to see how Hitachi Vantara can help your organization innovate with data.



Hitachi Vantara at a Glance

Your data is the key to new revenue, better customer experiences and lower costs. With technology and expertise, Hitachi Vantara drives data to meaningful outcomes.

Hitachi Vantara



Hitachi Vantara
Corporate Headquarters
2845 Lafayette Street Santa Clara, CA 95050-2639 USA
HitachiVantara.com | community.HitachiVantara.com

Contact Information
USA: 1-800-446-0744
GLOBAL: 1-858-547-4526
HitachiVantara.com/contact

HITACHI is a trademark or registered trademark of Hitachi, Ltd. Pentaho is a trademark or registered trademark of Hitachi Vantara Corporation. All other trademarks, service marks, and company names are properties of their respective owners.

OB-090-A BTD January 2019