Pentaho Professional Services

Overview

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Pentaho Overview

Pentaho is building the future of business analytics. Pentaho's open source heritage drives our continued innovation in a modern, integrated, embeddable platform built for accessing all data sources, including diverse and big data. Pentaho tightly couples data integration with business analytics to bring together IT, data scientists, and business users to easily access, mine, visualize, and explore all data that impacts business results.

What is BI?

Business intelligence (BI) refers to skills, technologies, applications and practices used to help a business acquire a better understanding of its commercial context. Business intelligence may also refer to the collected information itself.

BI technologies provide historical, current, and predictive views of business operations. Common functions of business intelligence technologies are reporting, OLAP, analytics, data mining, business performance management, benchmarking, text mining, and predictive analytics.

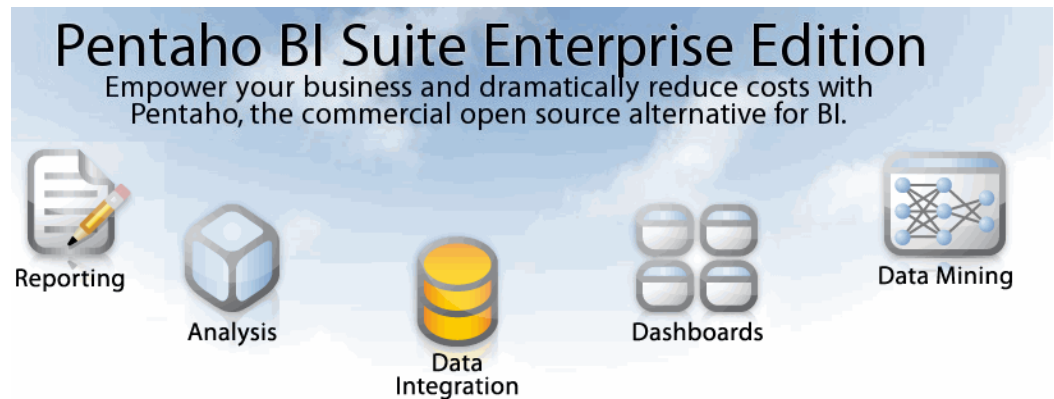Business intelligence often aims to support better business decision-making.

Why BI?

Advantages of business intelligence are
- the high responsiveness of the company to the needs of its customers
- recognition of customer needs
- ability to act on market changes
- optimization of operations
- cost-effectiveness
- quality analysis as the basis for future projections
- the best possible utilization of resources

Why Pentaho BI ?

- Pentaho is the first and only comprehensive BI platform to be designed and released in open source, enabling it to benefit from the best the open source community has to offer.

- Pentaho BI Suite Enterprise Edition provides comprehensive reporting, OLAP analysis, dashboards, data integration, data mining and a BI platform that have made it the world's leading and most widely deployed open source BI suite.

- Pentaho's commercial open source business model eliminates software license fees, providing support, services, and product enhancements via an annual subscription.

- Pentaho is the world's most widely deployed open source BI suite.

- Pentaho is the only commercial open source BI suite provider who leads and sponsors all of its core open source BI projects.

Pentaho Capabilities - Reporting

Pentaho Reporting allows organizations to easily access, format, and distribute information to employees, customers, and partners.

- Flexible deployment from standalone desktop reporting, to interactive web-based reporting to enterprise business intelligence

- Broad data source support including relational, OLAP, or XML-based data sources

- Flexible output options including Adobe PDF, HTML, Microsoft Excel, Rich Text Format, or plain text

- Wizard-driven report design for fast, easy report creation

- Web-based ad hoc query and reporting for business users

- Full-featured graphical Report Designer for report developers

- Enterprise Edition provides enhanced software functionality, comprehensive professional technical support, product expertise, certified software and software maintenance, and more.

Adaptability Without Programming
See "**DYNAMIC Application Platform**" to learn how you can't ake develop and customize applications using the innovative Compiere platform.

Pentaho Capabilities - Analysis

Pentaho Analysis puts rich, analytic power in the hands of your business users - helping them gain the insights and understanding they need to make optimal business decisions.

Pentaho Analysis answers business questions by

- Making it easy for users to freely explore business information by interactively drilling into and cross-tabulating data
- Providing speed-of-thought response times to complex analytical queries Presenting data multi-dimensionally and letting users select what dimensions and measures to explore
- Offering complete integration with other products in the Pentaho BI Suite

Pentaho Capabilities – Data Integration

Pentaho Data Integration delivers powerful Extraction, Transformation and Loading (ETL) capabilities using an innovative, metadata-driven approach. It has an intuitive, graphical, drag and drop design environment, and a proven, scalable, standards-based architecture. Pentaho Data Integration is a full-featured ETL solution including:

- Rich transformation library with over 100 out-of-the-box mapping objects
- Broad data source support including packaged applications, over 30 open source and proprietary database platforms, flat files, Excel documents, and more
- Advanced data warehousing support for Slowly Changing and Junk Dimensions
- Proven enterprise-class performance and scalability
- Integration with the Pentaho BI Suite for Enterprise Information Integration (EII), advanced scheduling, and process integration
- Common use cases for Pentaho Data Integration include:
  - Data warehouse population
  - Information enrichment by integrating data from various sources
  - Data migration between applications
  - Imports of data into databases from text-files, Excel spreadsheets, relational systems and more
  - Exports of data to other databases or text files
  - Data cleansing by applying complex conditions in data transformations
  - Exploration of data in existing databases (tables, views, etc.)

The Pentaho Data Integration Enterprise Console is additional software available in Pentaho Data Integration Enterprise Edition that provides an ETL dashboard for monitoring servers and system performance, setting minimum and maxim thresholds for jobs, and remotely controlling live ETL activities, including the starting, stopping and pausing of data integration jobs

Pentaho Capabilities – Dashboards

Infinite Possibilities Pentaho Capabilities – Dashboards Pentaho dashboards gives business users the critical information they need to understand and improve organizational performance.

Pentaho Dashboards delivers this visibility by providing:

- Rich, interactive displays including Adobe Flash-based visualizations so that business users can immediately see which business metrics are on track, and which need attention
- Self-service dashboard designer that lets business users easily create personalized dashboards with zero training
- Integration with Pentaho Reporting and Pentaho Analysis so that users can drill to underlying reports and analysis to understand what factors are contributing to good or bad performance
- Portal integration to make it easy to deliver relevant business metrics to large numbers of users, seamlessly integrated in to their application
- Integrated alerting to continuously monitor for exceptions and notify users to take action

Pentaho Capabilities – Data Mining

Data Mining is the process of running data through sophisticated algorithms to un cover meaningful patterns and correlations that may otherwise be hidden. These can be used to help you understand the business better and also exploited to improve future performance through predictive analytics.

Features of Pentaho Data Mining are:

- Provides insight into hidden patterns and relationships in your data
- Provides indicators of future performance
- Enables embedding of recommendations in your applications
- Enables you to take full advantage of a range of data mining algorithms
- Graphical user interfaces are provided for data pre-processing, classification, regression, clustering, association rules, and visualization.

Pentaho Services

Profile of Pentaho Professional Services Including Benefits, Offerings and Methodology.

Professional Services Introduction

The goal of Pentaho Professional Services is to engage with our customers and ensure their Business Analytics solution implementation is a success. Because studies show that product technology is only one element of a successful Analytics project, we take a holistic approach to our consulting services, addressing elements of knowledge, methods and technology to eliminate risks and roadblocks. Our engagement plan is focused on partnering and enablement to quickly build customer self-sufficiency.

Pentaho has a world-wide network of consultants, implementation specialists and trainers that are experts in Pentaho Analytics and have years of successful deployment experience to help you accelerate productivity and achieve project success. Our unique value is our agile project methodology with our Pentaho integrated toolset enabling our customers to achieve rapid deployment and ROI.

Compiere Partners The Compiere Partner Network includes Value-Added Resellers, System Integrators and Technology companies that provide products and services that enhance Compiere solutions.

Why Engage Pentaho Professional Services?

- Help accelerate productivity with Pentaho BA features and functionality through training and expert mentorship.
- Learn the use of Agile practices to quickly deploy BA applications to your business end-users.
- Reduce roadblocks to project success by collaborating with Pentaho on creating a sound project and architecture baseline as a sturdy foundation to execute your Analytics project.
- Receive expert guidance and support during your project on the use and implementation of Pentaho.
- Complement and/or supplement the resources on your team with experienced experts in Pentaho.
- Leverage close relationship with Pentaho engineering to support complex and advanced use cases.
- Deploy a business analytics solution leveraging a full team of Pentaho certified consultants.

Service Offerings

Pentaho offers a range of Business Analytics implementation, education and support services to help organizations quickly deploy solutions using agile techniques with the world's leading Business Analytics suite.

Pentaho consultants can guide you through the requirements, design and implementation of your project. We offer pre-packaged programs to accelerate your project and custom engagements that span from supporting your team to full delivery of a Business Analytics solution.

Pentaho provides education and consulting services across the entire Business Analytics program life-cycle. Services available include:

- Training and certification programs to educate project team members on Pentaho BA and agile implementation techniques.
  - Agile BA for Business Analysts
  - Analytics for Business Analysts
  - Report Design Techniques
  - PDI for Developers
  - Analytics for Business Users
  - Architect Bootcamp
- Deployment Assurance Program to accelerate the productivity of your team and help eliminate project false starts resulting in faster ROI
  - Deploy a working Pentaho environment, connecting to a data source and building example reports and dashboards
  - Demonstrate the use of agile techniques to quickly deploy Business Analytics applications to end-users;•
  - Mentor on implementation best practices; and
  - Recommend architecture and design to best meet your project requirements
- Implementation assessments to provide a risk-based review of the core elements for a successful Business Analytics project
  - Pre-implementation to assist in planning and building a strong foundation for project success
  - In-flight or post deployment to identify and resolve implementation difficulties and improvement planning
  - Core elements reviewed include: Business Analytics solution and deployment architectures; product usage; project implementation approach and team skills.
- Custom Engagements to support the design, development and deployment of Business Analytics applications
  - Security integration
  - Data warehouse architecture and development
  - Data Integration design and ETL development
  - Dashboard and Report design and development
  - Analysis (OLAP) design and development
  - Metadata design and development
  - Application integration
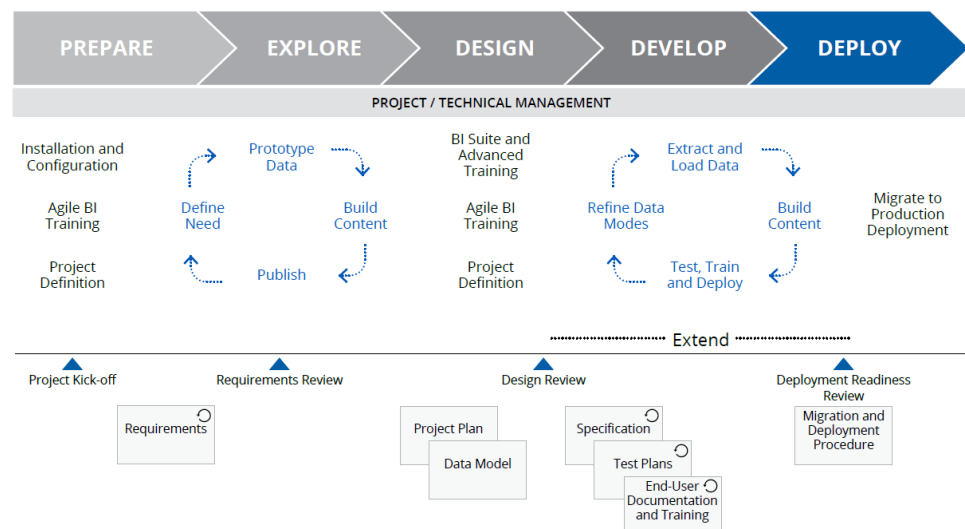 - Data Mining approaches and development

- Technical Account Management and Checkpoints to provide advice, guidance and trouble resolution throughout your project life-cycle
    - On-going project and technical guidance
    - Requirement, design and implementation reviews
    - Performance tuning
    - Application troubleshooting
- Health Checks to review your current Business Analytics program and deployment to maximize your investment
    - Environment review to maximize performance
    - Best-practice review to improve Business Analytics application development processes
    - Solution assessment to ensure optimal design and use of Pentaho features and functionality
    - Solution implementation to outsource the full or partial implementation of your project to a reliable and skilled Business Analytics team
    - Upgrade and Migration support to provide expert knowledge and best practices to quickly deploy and operationalize new releases of Pentaho

Agile Project Methodology

Pentaho employs a five step Business Analytics project implementation approach to ensure project success and quick ROI realization. The approach is based on the following elements

- Experience - our Business Analytics and Pentaho product experience and best practices
- Proven standards - consistent with Scrum, Kimball, Inmon, and PMI
- Agility - incremental and iterative exploration and development of Business Analytics applications
- Flexibility - to fit all identified use cases and customer profiles

KEY FEATURES OF PENTAHO'S AGILE METHODOLOGY INCLUDE:

Training:

Customer resources assigned to the project are identified and commence their certification program. Pentaho offers training and certification tracks for Analysts, Developers and administrators. Details on Pentaho's training programs can be found at

http://www.pentaho.com/services/training/

Iterative Exploration and Development:

The project is developed through collaborative Explore and Develop phases. An agile approach is used during Explore to quickly deploy and validate Business Analytics application requirements with end-users. Once requirements are set, a quick design and iterative development phases are carried out to deploy the BA applications into a production-ready environment.

Deliverables and Quality Reviews:

Throughout the project life cycle, documentation is produced to capture the requirement, design and implementation decisions made in the construction of the Business Analytics solution. Quality reviews are performed to provide management with confidence that sound decisions are made, best practices are implemented and project risks are managed.

Best Practices:

Pentaho possesses an extensive tool kit of methods, practices and tools that have been developed and refined from 100's of successful BA projects that help to ensure project success and provides customers with base practices for further BA application development.

Project Team and Resources

Pentaho's certified experts have years of experience delivering successful Business Analytics implementations across all industry verticals. Pentaho leverages certified partners worldwide to complement and supplement Pentaho teams based on the specific needs of the engagement and solution to be delivered.

Our Professional Services team and extensive partner network provides project staffing options to deliver services locally on-site, near-shore, and off-shore to provide the best-value solution. For complex use cases, the Professional Services team can be strengthened with product engineering resources. On all projects, a Pentaho Engagement Manager is assigned and engaged to ensure project success.

Next Steps to Engaging Pentaho Services

One way that Pentaho strives to differentiate from other vendors is being easy to do business with from evaluation to renewal. We have structured a disciplined approach for creating the best-value engagement to address your needs and help ensure your success. The image below highlights the three main steps we take for each engagement.

Call us today to start the planning phase to define the right engagement for you.

- Plan
  - Score risk factors
  - Assess situation and needs
  - Determine best engagement approach
- Define
  - Detailed scope session
  - Engagement proposal review
  - Scope of Work (SOW) creation and approval
- Do
  - Engagement kick-off meeting
  - SOW delivery
  - Review and monitor

About Tenth Planet Pentaho BI

Founded in 2002. Tenth Planet is an open source IT services company. We are in chennai, India. We serve customers across the globe. Tenth Planet products support the needs of a wide range of distribution and manufacturing companies, including Compiere - the world's leading open source and cloud-based BI business solution. Created in 1999, this award-winning software has been downloaded over 1.8 million times and is deployed worldwide by companies of all sizes. Powered by a revolutionary model-based platform, Pentaho is a comprehensive, modern, highly-adaptable and low cost BI solution available from Tenth Planet. Pentaho BI solutions are available on-premise or on the Cloud.

For more information, please

VISIT WWW.PENTAHO.COM