

A large, stylized orange arrow pointing to the right, with a white outline, positioned behind the text "High performance. Delivered.".

High performance. Delivered.

Accelerating High  
Performance with  
Accenture Application  
Services for Java



# The Java Imperative

"Among applications with 100,000 concurrent users (typically very large Web-based systems), by 2016, Java will capture a 55% market share – up from 10% in 2006 and 40% in 2010."<sup>1</sup>

Gartner, Inc.

Businesses and governments face greater pressure than ever to drive excellence in business and IT operations—to simplify IT, increase IT agility and be smart about using disruptive technology.

Java's IT benefits help organizations do just that. Java is open, portable and platform-agnostic. It is beneficial in scenarios as diverse as deploying applications to the cloud or integrating on a variety of middleware platforms.

Given that today's innovation-centered organizations see productivity as a core driver of business results, enterprises use Java to implement large-scale and complex solutions, from traditional packaged software to increasingly strategic mobile, Web and cloud applications.

Java ranks as the most popular computing language among programmers, according to the respected TIOBE Programming Community Index.<sup>2</sup>

Quite simply, Java is essential, powerful and everywhere—whether your organization wants to take advantage of innovative technologies, re-architect IT systems or gain the most from legacy IT.

Organizations typically use Java to help them tackle challenges when:

- Business requirements are difficult to meet with manual processes or off-the-shelf packaged solutions.
- Heavy application functionality slows IT operations.
- Modest business requirements mean that packaged solutions provide unneeded functionality at too high a price.
- Excessive information technology costs require cuts in hardware, license and maintenance fees.
- Strategic business innovation is demanded via mobile, cloud or Web-based application delivery.

# Accenture Application Services For Java

**"We help clients deliver new Java-based applications, speeding time to market and improving the quality, usability and agility of IT systems."**

Paul Daugherty  
Chief Technology Officer, Accenture

Accenture helps organizations create sophisticated, enterprise-scale Java-based solutions. Using tried-and-tested methodologies and increased automation, our proven approach can reduce application development efforts between 10 and 25 percent. In addition, Accenture is helping enterprises harness Java's full potential to:

- Improve delivery quality across the application portfolio, from mobile to cloud to Web to packaged software, through standardized architectures and tools.
- Increase predictability through standardized confirmation and transitions points, deliverable templates and workflows.
- Reduce delivery cost through an optimal mix of resources.
- Leverage emerging technologies to deliver an enhanced user experience.

Accenture Application Services for Java addresses the unique challenges of large enterprises. It provides a full lifecycle of custom software development on the Java platform, including broad Web and application development solutions and those enabling portal and content management. Specific services embedded in Accenture Application Services for Java include overall project management, planning, requirements analysis, technical architecture, design, build, test and deployment.

We offer Java skills in a wide range of technology-based solutions including Web solutions, embedded software, application modernization and optimization, service-oriented architecture, business process management, software package customization, large and complex system delivery, mobile, cloud and open source platforms.





# Why Accenture

With today's business challenges and technology complexities, many organizations choose to work with a trusted development ally to harness the full potential of Java. Accenture is such an ally. We help clients design and deliver new Java-based applications, speeding time to market and improving the quality, usability and agility of IT systems. In an effective and predictable manner, we help to support complex, large-scale Java development initiatives with proven methodology, tools, and architectures that support traditional waterfall and newer agile development approaches as well as automated and streamlined delivery.

Accenture brings core strengths to our Java offering in the ongoing quest for high performance:

## Innovation

Leveraging our world-class Java professionals and rich knowledge base, we drive innovation with skills and methodologies in emerging technologies such as open source, cloud and mobile.

## Products, skills and resources

With more than 40,000 skilled Java professionals worldwide, Accenture continuously improves our ability to execute on the most complex technology projects—we enhance our people's Java skills through deep local and global relationships with key vendors such as Oracle, IBM, VMware (SpringSource) and Red Hat. Our considerable investments focus on ongoing training to build and extend professional, technical and management skills. We provide an average of 300,000 hours of core Java training to our seasoned professionals annually.

## Industrialized assets and methods

Tested comprehensively for their effectiveness in reducing cost and time to market, our reusable Java-related tools and templates are utilized across geographies. Our Accenture Delivery Methods are about assuring quality delivery from the get-go. Our distributed agile and custom development methodologies increase efficiency and repeatability in Java development while reducing client risk. Our industrialized approach guides our global multidisciplinary teams on how best to achieve our clients' business goals. It helps to reduce cost, increase productivity, improve quality and consistency of delivery, ensure predictability and timeliness, lessen risk and raise the number of opportunities for process and technology reuse.

## Global reach

The Accenture Global Delivery Network helps clients drive innovation in Java—and reduce cost—with an optimal mix of resources. Emphasizing industry-focused solutions, and addressing complex implementation and integration challenges, Accenture's overall network encompasses more than 167,000 Global Delivery resources across the globe at more than 50 locations and in 20 Delivery Centers worldwide. Key geographic locations within the Delivery Center Network are Accenture Java Excellence-certified which means they meet Accenture's rigorous standards for driving consistent, standardized delivery along with providing centralized points of Java knowledge across Accenture geographic locations. Benefits for clients include greater consistency and better quality delivery through standardization of architectures, methods and tools, proven Java skills and expertise, increased collaboration and success with vendors/alliances across Java solutions and lower delivery costs.

## Unparalleled alliance ecosystem

Accenture's powerful network of alliance partners provides our clients with high-quality, specialized Java skills, tailored solutions, early access to new technologies and accelerated business innovation. Our policy of vendor independence provides our clients with an objective, trusted source for Java vendor insights and recommendations. We are, in fact, the largest vendor-neutral systems integrator in the world and the single source for technology services.

To ensure innovation and consistency win solution delivery, we continuously and proactively invest in broadening and deepening our capabilities in technologies from our longstanding Java alliance partners, including market leaders Oracle, IBM, VMware (SpringSource) and Red Hat. Accenture and Oracle have enjoyed a partnership for more than 22 years, with Accenture bringing more than 52,000 resources skilled across Oracle's portfolio. With Java now part of that portfolio, Accenture's Java capabilities are being integrated with our Oracle-based solutions to give our clients even more powerful benefits.

## Accenture Foundation Platform for Java™

The Accenture Foundation Platform for Java™ (AFP-J) is a rich and integrated collection of architecture services, standards, guidelines, frameworks and tools. It is specifically designed to address challenges common to software development, such as incorporating unproven implementation approaches and frameworks. It achieves this by standardizing resources, helping to reduce IT costs and ultimately speeding up the development of software.

The platform, made up of an integrated set of leading open source frameworks and tools, provides the right features for developing reliable, enterprise-ready custom applications. Yet its modular design allows for easily swapping out unwanted components, as well as adding supplementary components to enable customization based on functional and technical requirements.

# High Performance Delivered

Accenture has built a recognized portfolio of industry-leading achievement with complex and sophisticated Java implementations. These implementations cover the full innovation spectrum—from cloud computing and mobile applications to open source and Web solutions.

## Royal Wedding

**Solution:** Accenture collaborated with Google and Clarence House to create the Royal Wedding website in just four weeks. The website needed to provide access to all official material, make it easy for the public to watch events via integrated social networking technologies, and be optimized for access via a wide range of mobile devices. The resulting Royal Wedding website is a Web content management, distribution and blogging application, custom-built in Java and running in the cloud on Google App Engine.

**Benefits:** In the first month after its debut, 11.8 million visitors viewed approximately 32 million pages. On the wedding day, the site received nearly 6 million unique visitors and served up some 15 million page views, processing over 2,000 requests per second. The site demonstrated that cloud computing—and Google App Engine specifically—can be used to deliver a robust, scalable solution in accelerated time frames.

## European Pension Services

**Solution:** Accenture helped a large government department extend working-age welfare services to citizens via a multichannel architecture. The solution comprises a Java-based portal framework that handles citizen requests through an SOA integration layer to existing legacy applications and services. The Java-based portal framework enhances a commercial, off-the-shelf (COTS) product (which drives the customer interaction) by adding web service integration capabilities and data persistence.

**Benefits:** The portal web framework provides a rich customer experience for citizens as part of an on-going set of e-government initiatives. Citizens have the ability to make an online claim and be given an answer to their application while they do so. Overall, there is a reduced cost to serve the welfare population in the UK, increased citizen reach through new channels, less paperwork involved and reduced time for welfare to reach those in need.

## General Insurer

**Solution:** Accenture helped an insurance company deliver a high availability platform custom-built on Java and supporting a SOA approach. Java component-based services integrate tried-and-trusted systems with new sales channels to provide rich and robust insurance propositions to a wider customer base. Over 130 services support the end-to-end customer journey allowing customers to quote, purchase, and amend policies with minimal service center support.

**Benefits:** The Java platform positions the company to exploit new and growing aggregator sales as well as reduce service center costs and build brand loyalty by providing end-to-end self service to an increasingly tech-savvy customer base. Moreover, the company was able to win new business due to the reduced time-to-market and lower costs the platform delivers through component-based reuse, an agile development methodology and industrialized design.

## About Accenture

Accenture is a global management consulting, technology services and outsourcing company, with approximately 259,000 people serving clients in more than 120 countries. Combining unparalleled experience, comprehensive capabilities across all industries and business functions, and extensive research on the world's most successful companies, Accenture collaborates with clients to help them become high-performance businesses and governments. The company generated net revenues of US\$27.9 billion for the fiscal year ended Aug. 31, 2012. Its home page is [www.accenture.com](http://www.accenture.com).

## For more information

To find out more about Accenture and how to best harness Java on the journey towards high performance, please contact:

**Nigel Barnes**  
[nigel.barnes@accenture.com](mailto:nigel.barnes@accenture.com)

**Max Furmanov**  
[max.furmanov@accenture.com](mailto:max.furmanov@accenture.com)

**Maynard Williams**  
[maynard.williams@accenture.com](mailto:maynard.williams@accenture.com)

## References

<sup>1</sup>© Gartner, Inc. Examining Java EE and Microsoft Software Platforms: Competitive Trends and Future Directions, By Mark Driver, November 22, 2011.

<sup>2</sup> TIOBE Programming Community Index, February 2013: <http://www.tiobe.com/index.php/content/paperinfo/tpci/index.html>