

Analytics solutions

Readily implement mission-focused solutions that leverage data to deliver insights that improve value



Benefits

- Improve data-driven insights
- Unlock the hidden value in your data
- Leverage advanced analytics to answer previously unknown questions
- Improve speed to mission
- Discover trends, patterns and drivers across disparate data sets

The need to make better data-driven decisions is complicated by the explosion of digital data and the rapidly changing solution marketplace. From mining vast troves of online text to understanding streaming data from the Internet-of-Things, anticipatory analytic solutions can provide new insights and improve data-driven decision making.

Rapidly deliver data-driven insights

Timelines for actionable decision making are compressing and the rapid advancement of new analytic technologies, distributed computing systems and streaming data complicate efforts to perform analysis. Mission objectives are often constrained by legacy IT environments, lack of standard data formats, and outdated database and processing technologies.

The ability to derive insights in this complicated environment requires:

- Deep understanding of data types, formats, sources and use cases
- Strategic partnerships with leading solution providers to identify and deploy advanced technologies
- Flexible and scalable IT solutions that leverage advancements like cloud computing, graphics processing units (GPUs) and graph analytics
- Highly secure, trusted environments for mission-critical data

Traditional “all-or-nothing” monolithic solutions require large development teams and high recurring costs while pre-packaged commercial off-the-shelf tools lack the flexibility to adapt to changing mission needs.

Our approach integrates a suite of analytic tools based on existing design patterns and frameworks to rapidly deliver a baseline capability. We tailor analytic solutions through user-centric design and rapidly integrate feedback to adapt widely-used commercial and open source tools to the unique aspects of your mission..

Digital disruption

Our goal is to help customers explore digital disruptors that solve mission-specific challenges and transform legacy workflows to rapidly deliver intuitive, interactive insights. Through a collaborative process, our team of experts works to understand the key questions you seek to answer and the specific inhibitors, challenges and obstacles that prevent users from unlocking the hidden value of data. Leveraging strategic partnerships with key solution providers and an expert understanding of data and algorithms, we translate legacy workflows into streamlined, flexible and scalable solutions. By working across the value chain from developers to analysts to senior decision makers, we integrate, deploy and support analytic solutions that deliver results at the speed of mission.

Mission critical solutions require rapid delivery into secure environments. Perspecta's extensive experience in cybersecurity, health care and intelligence systems provides a unique combination of agility and security for assured solutions. We apply security-by-design principles to the early stages of concept formulation, requirements definition and user story development to avoid expensive re-engineering of deployed solutions and embarrassing data leaks and spills. We implement automated monitoring tools and security principles throughout the development process across the entire architecture from data to processing to integration and user experience, delivering secure solutions across mission enclaves.

The benefit of working with Perspecta

Perspecta is more than just an IT consultancy or a software development firm. By collaborating with our experts in cybersecurity, data services, applied research and application development, you'll gain end-to-end analytic solutions to realize your strategic objectives. We drive a process of continuous improvement that utilizes powerful emerging technologies and transitions them safely and securely into existing business architectures while formulating a roadmap for digital transformation.

Our analytic solutions provide direct benefits which include:

- Access to a diverse team of experts with knowledge of next-generation architectures and tools
- Strategic partnerships with key technology vendors and the expertise to integrate advanced tools within existing business architectures
- Proven processes for agile development and Lean Six Sigma to ensure the quality of mission-critical systems
- A cadre of more than 500 PhD engineers, statisticians, developers, and scientists with unique experience across multiple mission domains

The landscape of analytic products and services is crowded and complex. As you consider standing up analytic solutions, we can advise on transformational roadmaps and deliver tailored solutions in a dynamic framework. Our approach scales to provide services to large federal agencies, geographically distributed users, or individual branches within an agency or department.