

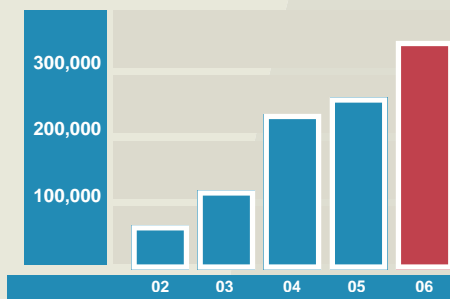
# We Listen. We Strategize. We Execute.

The XTS Group is an ERP solutions provider. We can help maximize the efficiency and productivity of our clients business' processes, through best-practices and outstanding innovations. Our strategic global model combines the best of on-shore and off-shore software design and development to deliver best-in-class solutions to our clients.

- XTS Group provides expertise in implementation, integration, and optimization

## We provide:

1. Architecture planning
2. Implementation services
3. Custom development
4. Systems integration
5. Operations planning
6. Optimization services



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# XTS Group





# What we offer Our Candidates...

- **SAP**, an acronym for Systems, Applications and Products in Data Processing is an enterprise resource planning (**ERP**) software product capable of integrating multiple business applications, with each application representing a specific business area. These applications update and process transactions in real time mode. It has the ability to be configured in order to meet business requirements.
- **SAP is categorized into 3 core functional areas:**

## **Logistics**

Sales and Distribution (**SD**)  
Material Management (**MM**)  
Warehouse Management (**WM**)  
Production Planning (**PP**)  
General Logistics (**LO**)  
Quality Management (**QM**)

## **Financial**

Financial Accounting (**FI**)  
Controlling (**CO**)  
Enterprise Controlling (**EC**)  
Investment Management (**IM**)  
Treasury (**TR**)

## **Human Resources**

Personnel Administration (**PA**)  
Personnel Development (**PD**)

**NetWeaver** is an application builder from **SAP** for integrating business processes and databases from a number of sources while exploiting the leading Web services technologies.

NetWeaver allows a developer to integrate information and processes from geographically dispersed locations using diverse technologies, including Microsoft's .NET, IBM's WebSphere and Sun's Java technologies.

**Enterprise Portal** is a web based business-critical system that offers a seamless integration between Business Intelligence, Business applications, Knowledge Management Systems and collaborative solutions.

- ❖ Enterprise Portal serves a primary and secure access point to all information types such as business transactions, business intelligence, knowledge management and collaboration resources.

**SAP Exchange Infrastructure (SAP XI)** is **SAP's** Enterprise Application Integration (**EAI**) software, a component of the NetWeaver product group used to facilitate the exchange of information among a company's internal software and systems and those of external parties.

- ❖ The central component of **SAP XI** is the SAP Integration Server, which facilitates interaction between diverse operating systems and applications across internal and external networked computer systems.

**MDM (Master Data Management)** integrates data and applications, and it identifies and cleanses similar data objects across various systems. Companies that use this application should be able to receive all data from third-party systems and unify it in a common data format.

- ❖ The application is designed to be installed while minimizing disruptions to the daily flow of business. The goal is that customers will use **MDM** as a master data store for all of their key business objects and, even if they might be using non-SAP applications, the data will come out of **MDM**.

**SAP CO (CONTROLLING)** All data relevant to cost flows automatically to Controlling from Financial Accounting. At the same time, the system assigns the costs and revenues to different **CO** account assignment objects, such as cost centers, business processes, projects or orders. The relevant accounts in Financial Accounting are managed in Controlling as cost elements or revenue elements.

- ❖ Controlling provides you with information for management decision-making. It facilitates coordination, monitoring and optimization of all processes in an organization. This involves recording both the consumption of production factors and the services provided by an organization.
- ❖ As well as documenting actual events, the main task of controlling is planning. You can determine variances by comparing actual data with plan data. These variance calculations enable you to control business flows.
- ❖ Income statements such as, contribution margin accounting, are used to control the cost efficiency of individual areas of an organization, as well as the entire organization.



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# More of What We Offer...

## ➤ **SAP SD (SALES AND DISTRIBUTION):-**

- The Sales and Distribution (SD) application component fulfills many of the international requirements that supports the sales and distribution activities with functions such as pricing and conditions, customer order processing, delivery monitoring, billing, credit and risk management.

## ➤ **SAP MM (MATERIAL MANAGEMENT):-**

- It covers the functionality required to purchase goods and services, manage inventory, and inspect incoming materials. The Purchasing function includes creation of requisitions, requisition approval, purchase order generation, and receipt of goods and services. Inventory Management includes issuing and transferring inventory, inventory restocking, and the inventory count and adjustment processes.

## ➤ **SAP FICO (FINANCE & CONTROLLING)**

- The Financial Accounting (FI) application component fulfills all the international requirements that must be met by the financial accounting department of an organization.
- All accounting-relevant transactions made in Logistics (LO) or Human Resources (HR) components are posted real-time to Financial Accounting by means of automatic account determination. This data can also be passed on to Controlling (CO).
  - This ensures that logistical goods movements (such as goods receipts and goods issues) are exactly reflected in the value-based updates in accounting.

- ## ➤ **PM (Project Manager)**
- is the discipline of defining and achieving targets while optimizing the use of resources (time, money, people, materials, energy, space, etc) over the course of a project (a set of activities of finite duration).

- The project manager must possess a combination of skills including an ability to ask penetrating questions, detect unstated assumptions, resolve interpersonal conflicts as well as more systematic management skills.



# MORE OF WHAT WE OFFER...

## ➤ FA (Functional Analyst):-

- The role of the functional analyst (FA) is to capture, consolidate, and communicate the information from the Subject Matter Experts (SMEs) to the rest of the team. This may seem odd if there's only one Subject Matter Expert; however, the typical case for a sizeable software development project is that it takes several SMEs in order to provide the necessary information to create a solution. Because of this the Functional Analyst is a critical link between the Subject Matter Experts providing the business requirements and the rest of the team trying to construct the solution.

- The FA takes their input and transforms it into something that the development team can understand. One of the key components of this is clarifying the intent of the SME.
- The starting point for a Functional Analyst is becoming a great communicator. The functional analyst's toolbox is, first and foremost, a toolbox filled with communication and relationship skills. Although the FA has a set of technical skills, their greatest asset is their ability to communicate with others and to establish working relations with others in the organization who can help to weave the SME feedback into context.

## ➤ BA (Business Analyst)

- The business analyst's role is key to defining the requirements of a project at its earliest stages, as well as to planning, defining and validating project scope. It's important to have an understanding of the breadth of knowledge that a business analyst brings to bear in developing business solutions.
- A common title for the person responsible for analyzing the business needs of their clients and stakeholders to help identify business problems and propose solutions.
  - A business analyst gathers requirements from a business area and presents it in ways that are understandable — and actionable — by the IT organization.

## ➤ QUALITY ANALYSIS:-

- Acquire and report objective measurements of quality and progress for CIS services, products, and initiatives
  - Customer Satisfaction measurement and reporting
  - Monitoring and reporting service level objectives for CIS resources.
  - Network and Open Systems Availability.
  - Strategic Applications availability.
  - CIS Resource Usage Stats.
  - Definitions of Strategic Applications.
- **QA Quality Assurance:** a procedure or set of procedures intended to ensure that a product or service under development (before work is complete, as opposed to afterwards) meets specified requirements.
- **QA** is sometimes expressed together with **QC** as a single expression, quality assurance and control (**QA/QC**).



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# INTEGRATION TECHNOLOGIES

## ➤ INTEGRATION TECHNOLOGIES:-

Using a technology such as WebMethods , organizations can:

- Efficiently integrate isolated solutions.
- Reduce programming costs by reusing SOA (SERVICE-ORIENTED ARCHITECTURE) tools.
- Shorten project cycle times.

## ➤ WEBMETHODS:

WebMethods is a company that specializes in integration server software for the enterprise.

- Web Methods' integration server is based on the hub-and-spoke model in which all applications connect through a central server.
- Web Methods enables the development of applications as Web services. Web Methods competes with such companies as See Beyond, Tibco, and Vitria.
- Predict and resolve potential violations before they occur.
- Deploy rapidly with “codeless” creation of new processes.

- Easily access critical and customizable reports.
- Monitor and improve business operations.

## ➤ Business-to-Business Integration:-

- WebMethods Trading Networks consolidates deployments through a single easy-to-manage B2B hub, reducing people and infrastructure costs to manage multiple document types.
- Through comprehensive support for data transfer and Web services standards , robust trading partner and transaction management, and business process lifecycle management, WebMethods Trading Networks enables companies to integrate trading partner information with their Enterprise IT architecture via a single B2B gateway. The single centralized gateway for all integration, spanning EDI, XML and Flat File document formats, combined with rapid business partner on-boarding and management capabilities, makes WebMethods Trading Networks the business integration solution of choice for companies that want to realize the full potential of trading partner collaboration.

## ➤ B2B supports :

- Comprehensive integration support reduces costs for additional software and skill sets.
- WebMethods Trading Partner Management Solution Improves satisfaction from external business partners.
- WebMethods Process Lifecycle Management Solution Seamless ability to grow trading communities.
- WebMethods EDI Standard Gain stability and improved performance with real-time EDI integration.

## ➤ Enterprise Services

**Platform:-** Connect and manage system, application, and partner interactions -- Faster. The Enterprise Services Platform is flexible, easy-to-use, and provides the foundation to support any enterprise integration initiative and includes advanced ESB capabilities at its core. It uniquely combines proven application integration capabilities and event driven technology with a distributed SERVICE-ORIENTED ARCHITECTURE (SOA) to create the most complete integration infrastructure available to connect data, people, places, and all existing IT assets.

## ➤ Highlights:-

- Uniquely offers the native capability to expose all IT assets as services and make all services self-aware, self-diagnostic, and predictive.
- Open platform allowing easy incorporation of industry standards and third-party tools
- Enables enterprise data management through the integration of quality product data with systems and trading partners.
- Proven performance and scalability that meets the most demanding transaction volume and operational requirements.
- Supports mission-critical applications around the world with 24 x 7 availability.
- Provides a complete set of graphical tools, allowing users to simplify and accelerate the integration process without code.
- Ensures the most rapid time-to-market; on average, webMethods integration customers are up and running in just 90 days.
- Advanced ESB capabilities that can be used to create a highly-scalable, distributed, multi-protocol messaging environment for SOA deployments.



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# MORE ON INTEGRATION TECHNOLOGIES

## ➤ **SOA:-**

- Enterprise SOA offers unified and centralized quality-of-service, regardless of service origin or run-time environment. Web Methods turns all services into Smart Services capable of self-monitoring SLA'S, defining and enforcing security, and predicatively alerting on failures. Developers across the enterprise now have access to historical service performance promoting more intelligent re-use.
- In fact, Most of the clients use the platform of Web Methods to successfully run Web services. Web Methods enables you to incorporate highly disparate infrastructures into a unified framework, lowering the complexity of building and maintaining SOA applications and infrastructures.

## ➤ **THE BENEFITS FROM WEBMETHODS:-**

- Improved alignment of IT with changes in the business
- Reduced cost and cycle time of IT projects
- Improved visibility on business activity
- Identification and removal of inefficient or duplicative business processes
- Deliver high performance supply chain.
- Efficiently manage and monitor heterogeneous trading partners and transactions

## ➤ **WebMethods Process Lifecycle Management Solution**

- Gain real-time insight into your trading partner business processes
- Model full end-to-end processes that span both internal and external tasks.
- Monitor status of business process in real-time

## ➤ **Business Process Management (web methods):-**

- It is the discipline of defining and achieving targets while optimizing the use of resources (time, money, people, materials, energy, space, etc) over the course of a project (a set of activities of finite duration).
- Web Methods Business Process Management (BPM) offers both process modeling and human workflow capabilities. But unlike traditional BPM, WebMethods Business Process Management helps drive business process productivity by uniquely combining traditional BPM with powerful optimization capabilities in an architecture that supports scalable and distributed customer implementations.
- Provides a comprehensive end-to-end process solution with built-in integration capability to span the heterogeneous environment of today's enterprises

- Manages multiple processes spanning physical geographies and ensures enterprise-level performance and global scalability with no single point of failure
- Supports hundreds and thousands of simultaneous users with a configurable, distributed run-time architecture
- Streamlines BPM deployments by allowing the business analyst to model the process without the intervention of IT resources
- Integrates seamlessly with WebMethods Access to accelerate composite application development and provide a single contextual interface based on user roles and privileges .



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# MORE ON INTEGRATION TECHNOLOGIES

- **TIBCO** makes integration server software for enterprises. TIBCO'S patented approach is called Information Bus (**TIB**) and TIBCO has been used in financial services, telecommunications, electronic commerce, transportation, manufacturing, and energy.
- **TIBCO's SOA Approach and Advantage:-**
  - Pioneer and Leader of SOA Infrastructure
  - Proven Enterprise-grade Reliability
  - Application Platform Independence
  - Innovation and Standards
  - Methodology and Best Practices for Successful SOA
- **B2B INTEGRATION:-** Business-to-business (B2B) integration represents a significant area of opportunity for using technology to drive tangible ROI (Return on Investment) and fundamentally change the way businesses communicate and interact with each other.
  - Manage the secure execution of transactions over the Internet using accepted industry standards.
  - Streamline inter-enterprise processes that go from the back-end systems to the partners.
  - Manage a large and diverse community of trading partners with minimal overhead.
- **Enterprise Application Integration:-**
  - Enterprise Application Integration (EAI) provides a common framework for integrating incompatible and distributed systems - making it faster and easier to tie together applications and Web Services so it can integrate them into business processes that span the organization. EAI reduces the complexity of IT infrastructure and dramatically improves its reliability, flexibility and scalability.
  - TIBCO's EAI software lets the applications, databases and mainframes communicate and interact with each other by automatically routing and transforming information so it gets where it needs to be, when it needs to be there, and in the proper format.
- **Business process management(TIBCO):-**
  - Business process management (BPM) is the automation and coordination of the countless assets and tasks that make up your business processes. These assets and tasks can be internal or external to organizations. Effective BPM requires the coordination of people and information technology assets both inside your business and in your network of customers and partners.
  - TIBCO provides one of the most complete offerings for enterprise-scale BPM, with powerful software that is capable of solving not just the challenges of automating routine tasks and exception handling scenarios, but also the challenges of orchestrating sophisticated and long-lived activities and transactions that involve people and systems across organizational and geographical boundaries.



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# DATA WAREHOUSING TECHNOLOGIES

## Data Warehousing:

A set of significant concepts and tools have evolved into a new technology that makes it possible to attack the problem of providing all the key people in the enterprise with access to whatever level of information needed for the enterprise to survive and prosper in an increasingly competitive world.

The term that has come to characterize this new technology is "data warehousing." Data Warehousing has grown out of the repeated attempts on the part of various researchers and organizations to provide their organizations flexible, effective and efficient means of getting at the sets of data that have come to represent one of the organization's most critical and valuable assets.

In the last few years, Data Warehousing has grown rapidly from a set of related ideas into architecture for data delivery for enterprise end-user computing.

## Informatica:

Informatica's data warehousing software products automate the extraction, transformation and load processes that reconcile data drawn from mainframe, relational and enterprise resource planning systems. Because Informatica's approach is meta data driven, it provides a scalable solution for developing and managing the business intelligence and analytic applications required for effective enterprise decision support.

Informatica provides enterprise analytic software that enables decision makers to transform business insight into competitive advantage. Informatica offers the industry's only integrated enterprise analytics suite, including a powerful data integration platform, cross value chain analytic applications, and real-time delivery of analytics via Web, wireless and voice. More than 1,370 customers worldwide, including 60 percent of the Fortune 100, rely on Informatica software to integrate, analyze, personalize and deliver critical information to managers, executives and other decision makers to optimize business performance.

## Business Objects:

Business Objects is a company that creates and markets business performance management, business intelligence and enterprise reporting applications that analyze internal and external data

Business Objects is a fully integrated query, reporting and multi-dimensional data analysis tool. It enables users to access and analyze information in the University's corporate database. Some of the key areas of usage of business objects are:

- Creation, execution and management of your own reports using information from the corporate databases.
- Execution of reports that have been pre-defined and distributed by the Computing Services Department.
- Presenting information as simple business charts or graphs.
- Exporting data to other applications such as Microsoft Office.



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# CUSTOM DEVELOPMENT

## JAVA:

Java refers to a number of computer software products and specifications from Sun Microsystems that together provide a system for developing and deploying cross-platform applications. Java is used in a wide variety of computing platforms spanning from embedded devices and cell phones on the low end to enterprise servers and super computers on the high end. Java is fairly ubiquitous in cell phones, Web servers and enterprise applications, and somewhat less common in desktop applications, though most users will have come across Java applets when browsing the web.

## Products & Technologies:

### Web and Directory Servers

**Access Manager:** Sun Java System Access Manager is a security foundation that helps organizations manage secure access to an enterprises' Web applications both within the enterprise and across business-to-business (B2B) value chains.

**Web Server:** Sun Java System Web Server securely and reliably deploys Web applications that are built with leading-edge technologies, such as JavaServer Pages, Java servlets, Active Server Pages (ASP), ColdFusion, Personal Home Page construction kit (PHP), and Common Gateway Interface (CGI).

**Directory Server:** Sun Java System Directory Server provides a central repository for storing and managing identity profiles, access privileges, and application and network resource information. Sun Java System Directory Server is used for authentication and authorization of users to enforce access control policies across all communities, applications, and services -- even globally

**Portal Server:** Sun Java System Portal Server is part of the Solaris Enterprise System. The Portal Server provides a new level of enterprise productivity, enabling users and groups to work together easily and securely within the requirements of a dynamic organizational structure.

**Active Server Pages:** Sun ONE Active Server Pages software, now bundled with Sun ONE Web Server 6.0, is a secure, enterprise-class ASP engine for the Sun ONE and Apache Web servers. Core services, including a scalable ASP engine, ActiveX Data Objects (ADO), and a full suite of ODBC database drivers, are enhanced with support for XML and Java technology to provide a straightforward mechanism for moving into Web services

**Web Proxy Server:** Deployment of scalable and reliable Sun Java System Web Proxy Server at Internet gateways and strategically within intranets reduces traffic bottlenecks, filters content, and maintains security. You get on-demand and on-command caching; fine-grained URL and content filtering; and reverse proxying with SSL sessions. Java System Web Proxy Server also provides generic protocol support for firewall traversal to reduce wait times and protect security while allowing users transparent access through the firewall.

## Application and Integration Servers

**Application Server:** Sun Java System Application Server provides a high-performance platform based on Java 2 Platform, Enterprise Edition (J2EE) technology for developing and delivering Web applications and Web services.

**Integration Server:** Sun's family of integration servers -- including editions for EAI and B2B integration -- is built on open standards. The EAI edition enables integration for Web services through SOAP messaging and provides adapters to integrate legacy and customer applications. The B2B edition promotes the exchange of business documents securely and reliably over the Internet with a variety of protocols and data types, including EDI and XML.

**Connection Builder:** Sun ONE Connector Builder is used to create Web services-ready connectors that integrate J2EE and Web applications with enterprise systems and legacy applications. It is also used to generate and deploy resource adapters compliant with the J2EE Connector Architecture to the Sun ONE Application Server for high performance, tightly coupled access to enterprise applications and data. Or deploy the adapters to a Web container for loosely coupled SOAP access

**Message Queue:** Sun Java System Message Queue allows you to integrate legacy systems, Enterprise Resource Planning (ERP), and Java applications to form one efficient enterprise with an integration messaging product based on the Java Message Service (JMS) specification.



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# CUSTOM DEVELOPMENT CONTINUED....

## **.NET:**

.NET is the Microsoft Web services strategy to connect information, people, systems, and devices through software. Integrated across the Microsoft platform, .NET technology provides the ability to quickly build, deploy, manage, and use connected, security-enhanced solutions with Web services. .NET-connected solutions enable businesses to integrate their systems more rapidly and in a more agile manner and help them realize the promise of information anytime, anywhere, on any device.

The Microsoft platform includes everything a business needs to develop and deploy a Web service-connected IT architecture: servers to host Web services, development tools to create them, applications to use them, and a worldwide network of more than 35,000 Microsoft Certified Partner organizations to provide any help you need.

The .NET Framework was designed with several intentions :

- Interoperability
- Common Runtime Engine
- Language Independence
- Base Class Library
- Simplified Deployment
- Security

The design of the .NET framework is such that it supports platform independence. That is, a program written to use the framework should run without change on any platform for which the framework is implemented. At present, Microsoft has implemented the full framework only on the Windows operating system. Microsoft and others have implemented portions of the framework on non-Windows platforms, but to date those implementations are not widely used.

## **.NET Languages**

While there are currently over 40 languages with compilers for the .NET Framework, only a small number of them are widely used and supported by Microsoft. The remainder is composed of languages developed by third party vendors. Because of the specific requirements of CLR compatibility, many of the alternative languages underwent vast changes to not only meet these requirements, but also to improve many other aspects of the language's implementation. Most of these alternative languages provide free compilers and some of the vendors even sell IDEs

### **Microsoft supported languages:**

**C#** is Microsoft's flagship .NET Framework language which bears similarities to the C++ and Java languages.

**Visual Basic .NET** is a completely redesigned version of the Visual Basic language for the .NET Framework.

**C++/CLI and the deprecated Managed C++** is a managed version of the C++ language.

**J#** is a Java and J++ .NET transitional language.

**JavaScript .NET** is a compiled version of the JavaScript language.



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