



Netspective™ ENTERPRISE FRAMEWORKS

OVERVIEW



- Create** rich web-based user interfaces that are easier to use but just as sophisticated as desktop-based applications.
- Connect** to multiple data sources simultaneously and allow modern web-based applications to consume legacy data.
- Protect** web-based applications using rock-solid role-based access control.
- Complement** and enhance your existing tools with standard Java libraries inheritance and delegation.

THE FASTEST PATH TO J2EE APPLICATIONS

The Netspective Enterprise Frameworks Suite (NEFS) is the fastest path to building production-ready, secure, data-driven Java web applications.

THE PROBLEM

Open-source tools often make simple tasks difficult to complete. And commercial visual HTML editors buckle when industrial-strength applications are required. You end up with UIs that may not please your customers, insufficiently secured apps, data management that is too slow, or projects that fail entirely.

THE SOLUTION

The Netspective Enterprise Frameworks Suite (NEFS) lets you build, deploy, and manage highly available and secure mission critical applications. It does this using your existing development staff AND existing app servers, databases, and IDE you are already using.

THE ARCHITECTURE

Clean Separation of Business Logic

The NEFS is architected to help you cleanly and consistently separate presentation from business logic and business logic from the data management layer. It includes a foundation for translating the business logic into business processes that are reusable across multiple projects. The business logic and processes may be invoked through many protocols including RMI, plain-old Java objects (POJO), Web Services, Enterprise Java Beans (EJBs) and messaging.

Encapsulating Technical Complexity

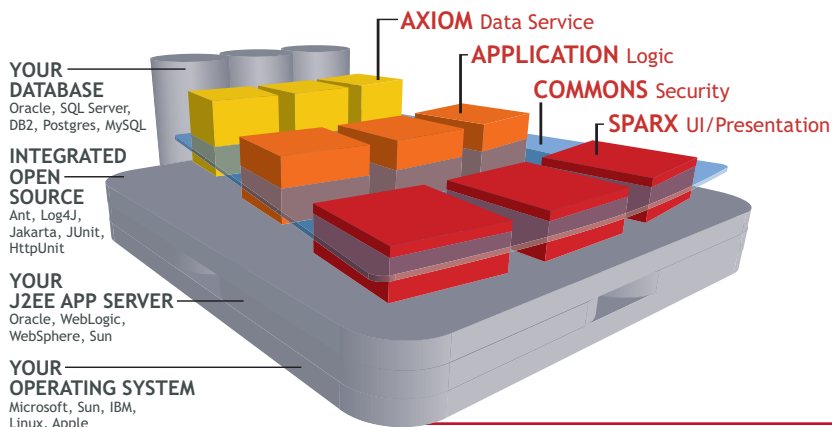
The NEFS is architected to let you focus on the business components of your systems by encapsulating the technical complexities of the J2EE APIs & Frameworks into higher-level APIs and classes. You concentrate on your app and its functionality and we take care of the architecture and infrastructure issues.

Total Extensibility with SPI-based Plug-ins

We implement a Service Provider Interface (SPI) based plug-in design that allows you to override or replace any of our classes through XML or Java. This includes replacing our factories with your factories and our design pattern implementations with your own implementations.

Easy Integration

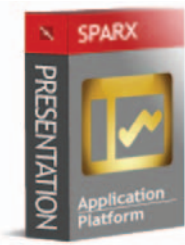
NEFS is architected using Java, J2EE and XML technologies. NEFS does not have a proprietary development language and doesn't require a specific Integrated Development Environment (IDE). NEFS fits with model driven and iterative development processes, such as eXtreme Programming (XP) or Rational unified Process (RUP).



BUILT TO EASE YOUR DEVELOPMENT, BUNDLED TO EASE YOUR BUDGET

Starting at just \$99, the NEFS bundle complements any J2EE application development projects from brainstorm to built.

NEFS is bundled to provide UI themes, data consistency, and app security.



PRESENTATION LAYER

The Sparx Application Platform comes out-of-the-box with skinnable navigation systems, auto validated forms and works on any modern browser that supports HTML and CSS. It takes hours instead of days to fully prototype your J2EE applications and prep them for Axiom's data bindings and Commons' security authenticators. By starting your development process with Sparx, the bulk of your application's presentation code is generated for you leaving you more time to focus on any customization you may have.

- Just declare your input fields, page navigation and validation criteria in simple XML files and let Sparx generate all HTML, error trapping, and Java code.
- Create working prototypes, including navigation and data entry, without expert programmers.
- Once your prototypes are complete, drop in the business rules and application logic using standard Java and you'll be able to complete entire application functions in days instead of weeks.



DATA LAYER

Data management tasks that took hours and days using plain J2EE APIs can now be finished in minutes using Axiom's J2EE wrapper APIs. Without forcing you to drop down to Java, Axiom is able to completely bind and execute your static and dynamic SQL by using just a few simple lines of XML. Even legacy data can be brought in by using Axiom's built-in SQL generator saving time and making the entire process simple.

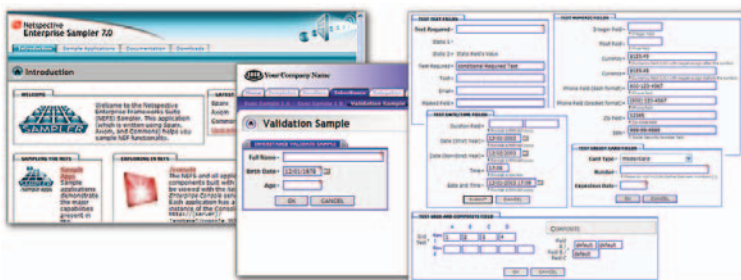
- Use any relational database server to generate add/edit/delete SQL that tie into the Sparx Presentation Framework.
- Axiom can often shave weeks, if not months, off SQL data development tasks and your code is less prone to error caused by repetitive tasks.
- Automatic performance statistics gathering and externalization of SQL from your application code leaves you with less brittle code.



SECURITY LAYER

Most companies think security is about protecting servers and networks using firewalls and encryption using SSL. While that's a must, it's only a start. The majority of hacking that occurs takes place at the application level which means data protection and security code must be built into the application itself.

- Automatic login forms with no HTML or Java required.
- Role-based access control and automatic log-off.
- Custom authenticators to integrate with JAAS and allow single sign-in using directory services.



For more information about Netspective™ products and services, please email info@netspective.com www.netspective.com