



Eagle Software

Tyler understands that IT professionals view a solution differently than the personnel who use it. Our suite of Eagle Software, built upon years of domain and technical expertise, incorporates those differences so you can better utilize shrinking budgets and limited resources.

Stateless, n-Tier Architecture

Stateless application design makes efficient use of server and database resources—deployment is simpler, backups are easier, and information between client and server is compressed and can be encrypted. Our leading-edge technology is designed to power high-demand Internet applications; fault tolerance is assured by eliminating dependency on a single server point-of-failure.

Network Load Balancing

A cluster of servers appears as a single IP address, and traffic is automatically distributed among available servers. Eliminate the impact of running large jobs by designating servers for particular tasks. “Rolling upgrades” reduce downtime for high availability and fault tolerance—without single point-of-failure or performance bottleneck.

Scale Out versus Scale Up

As your needs grow, you can expand capacity and performance by adding servers to the cluster. Build clusters using a variety of different size servers and capabilities. Enjoy unrestricted scalability, and protect investments by extending equipment life.

Database Services

Business logic exists in the Application Tier, and a separate index is maintained outside the database—reducing client and database load, and allowing unrivaled scalability.

Application Services

The Application Server is a J2EE-compliant Servlet Container (Apache/Tomcat). Individual components can be installed and updated as needed. There are no limits to the number of servers, so you can make use of available hardware.

Web Services

Eagle Software is engineered with XML Web Services in mind—unlike many systems where XML transactions are an afterthought. Taking advantage of open standards, WSDL and SOAP, Eagle Software can expose a robust API—simplifying external system integration with Java, .NET, VB, C++, C#, COBOL and others.

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Eagle Software architecture takes advantage of advances in technology to bring you a suite of products that is flexible, scalable, feature rich, and protects your county's investment in IT resources.

- n-Tier Architecture
- Network Load Balancing
- Scale Out vs. Scale Up
- Database Services
- Application Services
- Web Services
- Easily Deployed & Managed Platform Independence
- System Messaging
- Task Manager / Scheduler
- User Interface

Eagle Software

64-bit Ready

With the latest hardware architecture introducing more cores and large amounts of RAM in 64-bit environments, you can be assured you'll get the most out of your hardware. Eagle Software can be highly threaded to scale across as many cores as available and actually performs better in 64-bit environments.

User Interface

A Java-based client with limited workstation requirements provides a rich, powerful user interface. Java technology promotes cross-platform compatibility, so IT can easily move among significant Windows® versions.

Easy to Deploy and Manage

Single-click client installation is self-updating, giving administrators freedom to locate servers— locally for a single site, centrally with multiple site connections, and via ASP. Communication uses firewall-friendly HTTP protocol, and accommodates LAN and remote users. Additionally, Eagle Software:

- Runs securely on Internet/VPN via HTTPS
- Contains configurable, secure rights and roles
- Features local maintenance of User codes

System Messaging

Staff can request assistance from a supervisor and the system to send notification of completed background tasks or email alerts.

Task Manager / Scheduler

Schedule routine tasks and improve system performance.