Offering a cost-effective solution designed for the highest levels of availability and scalability

IBM Implementation Services for Parallel Sysplex Middleware – WebSphere Application Server enablement

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<td>■ Provides flexible, simplified options to accommodate your specific needs and budget</td>
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<td>■ Enables workload balancing and sharing as well as virtually continuous availability of data and applications</td>
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<td>■ Includes project management and best practice methods to help speed implementation</td>
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Facilitating cost-effective high availability and performance

According to industry experts, the hourly cost of downtime can be as high as US$8,213,470 in some industries.¹ But that figure doesn’t factor in the additional price you can pay in loss of market position, reputation and customer loyalty. To stay competitive, you need to ensure that critical information is readily accessible when you most need it. And that means ensuring nearly continuous availability as well as effectively using your server resources to maximize application performance.

IBM Implementation Services for Parallel Sysplex® Middleware – WebSphere® Application Server (WAS) enablement can help you quickly leverage WAS in an IBM System z™ Parallel Sysplex environment to achieve the highest possible levels of availability, scalability, and workload sharing and balancing. We can provide the knowledge, experience and resources required to deliver timely, cost-effective planning, configuration and migration to WAS network deployment.

Providing convenient, individually priced modules

Our stand-alone, modular approach offers you a flexible, cost-efficient and simplified approach to enabling
IBM WebSphere Server in an IBM System z environment. We offer three modules to address your design, implementation, and performance and availability needs, each of which provides comprehensive, fixed-price, fixed-scope services designed to accommodate your specific needs, budget and business plan.

Module 1: WAS network deployment planning and design includes:

- A planning meeting
- Review of business requirements for network deployment implementation
- Review of IBM z/OS® target architecture
- Definition of WAS for z/OS target architecture
- Definition of naming conventions
- Description of implementation prerequisites
- Documentation of all activities and results

Module 2: WAS network deployment implementation includes:

- A planning meeting
- Verification of prerequisites
- Implementation of a network deployment cell
- Creation and federation of nodes
- Creation of a cluster of servers
- Validation of cluster with a sample application
- Documentation of all activities and results

Module 3: WAS health check includes:

- A planning meeting
- Identification of constraints in system, performance, reliability, availability, security and systems management
- Documentation of all activities and results

Supporting maximum availability and use of resources

WAS is designed to take full advantage of the high availability features provided by the IBM z/OS, Parallel Sysplex and System z environments. This can help:

- Ensure that information is consistently available when you need it.
- Protect against outages and facilitate prompt disaster recovery.

Running WAS in a sysplex mode also allows you to share data with integrity between WAS applications, even across multiple z/OS images. This can help enable virtually unparalleled workload balancing by allowing you to:

- Optimize use of server resources without negative impact to your environment.
- Enable applications to share system resources to meet your defined business goals.
- Manage unpredictable workload spikes seamlessly.
In addition, IBM Implementation Services for Parallel Sysplex Middleware – WebSphere Application Server (WAS) enablement is designed to shorten your project implementation time, helping to accelerate your return on investment and lower your total cost of ownership by enabling:

- **Quick addition of computing power to match business requirements**, facilitating rapid, non-disruptive business growth.
- **Enhanced productivity, simplified IT complexity and reduced costs through system consolidation and management of multiple systems from a single point of control.**

**Combining management oversight with best practices to help accelerate your implementation**

IBM Implementation Services for Parallel Sysplex Middleware – WebSphere Application Server enablement brings seasoned IBM project managers who can provide leadership and planning, as well as skilled IBM technicians who can bring a wealth of experience and best practice methods to your project. We can offer the skills and resources necessary to provide a timely, standardized and consistent implementation designed to help:

- **Provide an optimal WAS environment for migrating your existing applications to work in a sysplex model.**
- **Reduce business disruption at every phase of your implementation.**
- **Free your staff to focus on managing critical business activities and ease their learning curve on WAS sysplex enablement technologies.**

**Why IBM?**

As the developers of IBM Parallel Sysplex and WebSphere Application Server clustering technologies, we can bring virtually unmatched knowledge, up-to-date information on new features and enhancements, and over a decade’s worth of experience to help you quickly and effectively enable WAS in your System z environment. From planning to configuration to migration, we can serve as a convenient, single source for hardware, software and services, with comprehensive solutions designed to address every aspect of your IBM System z environment.
For more information
To learn more about IBM Implementation Services for Parallel Sysplex Middleware – WebSphere Application Server enablement, please contact your IBM representative, or visit the following Web site:

ibm.com/services/server