

Sun Mainframe Rehosting

Executive Summary

Today's economy demands that companies drive down costs in all areas. Information technology (IT) is no exception. For enterprises with mainframes, one increasing challenge is to keep the value of proven CICS-based applications while creating an IT environment that facilitates cost reduction and has the flexibility to drive innovation and respond to competitive pressures. Rehosting mainframe applications on Sun can significantly reduce IT infrastructure costs by allowing you to run both mainframe and networked applications on the same open-standards-based platform. Sun's unique approach leverages your current set of skills, applications, and administrative tools from the edge of the network up to and including the legacy and Internet data center.

Don't replace your mainframe applications. Rehost them.

Rehosting does NOT mean rewriting applications or rearchitecting the mainframe environment. The rehosting process reuses existing mainframe data, application code, and IT skills in the Solaris™ Operating Environment. The Standish Group, a well-known research advisory firm focused on mission-critical applications and technology, has evaluated more than 2,000 cases of TCO analysis and more than 30,000 cases on risk assessment. According to the Standish Group, Sun's mainframe rehosting software, coupled with Sun's standards-based platform is a highly attractive alternative to mainframes.

Reduce your information technology costs.

Businesses have cut up to 70 percent off their hardware and software operating costs by rehosting with Sun. There are two contributors to the cost savings:

- **System software:** Sun rehosting software is sold using a one-time payment license that is much less expensive than mainframe vendor's annual license fee for software.
- **System hardware:** Sun servers deliver 25 to 50 percent lower price/performance per MIP of the mainframe.



Benefits of mainframe rehosting:

Cost savings: By rehosting mainframe applications on Sun, customers typically reduce costs up to 50 to 70 percent.

Investment protection: Rehosting preserves your proven mainframe applications and businesses processes.

Flexibility: Sun's standards-based platform provides the flexibility to drive innovation and respond to competitive pressures.

Pathway to new technologies: Rehosting gives you access to new technologies, networked applications, and third-party applications and services.

Low risk: You reduce your risk of business disruption to nearly zero during rehosting because you don't need to rewrite or replace your applications.

Protect your mainframe application investment.

By rehosting, you don't sacrifice existing investments in business procedures, processes, and mainframe skill sets. In fact, the results of rehosting are invisible to most of the individuals involved, because the application interface usually remains the same. Your development staff continues to use COBOL, PL/1, C, BMS maps, JCL and other programming languages. Your company continues to use valuable mainframe skills in the new UNIX® environment, leveraging your mainframe investments in software and staff to the latest in networked applications.

Gain the flexibility to meet business needs.

Another major benefit is enhanced flexibility and speed of response. With the Sun platform, your IT staff has the flexibility to quickly respond to new business needs such as deploying networked applications to better serve customers, suppliers, and partners.

Run mainframe and networked applications on same platform.

Rehosting on the Solaris Operating Environment can help reduce your IT complexity and cuts operating costs because you run both mainframe and networked applications on the same platform. You simply transfer your existing mainframe applications, middleware, and IT skills to a very similar environment on the Sun platform. Your new IT environment uses the same languages, file structures, development tools, and administrative framework. This reduces your training costs and streamlines operations. Rehosting also positions your company to take advantage of packaged applications and third-party services found in the UNIX world. Sun is unique in providing a platform that runs mainframe and networked applications at the same time.

Reduce risk of business disruption.

Your risk is very low because Sun has replicated the CICS and mainframe batch environments on the Solaris Operating Environment. Sun lets you run everything the same as before only more cost effectively. Over the last several years, Standish research confirms that the rehosting process from mainframes to the Sun platform is straightforward and does not have the risks of new development or purchase of new software. Standish notes that rewriting applications requires changing 100 percent of the code. Rehosting with Sun entails less than one percent code change, according to Standish, and minimizes business disruption while preserving business processes and practices.

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