Mainframe rehosting 101

Rehosting moves your legacy systems from a mainframe environment to a more modern, open platform. The result is cost savings and greater flexibility to drive innovation allowing your systems to adapt quickly to changing demands from employees and customers who expect instantaneous, highly personalized experiences similar to those on their mobile devices.

How does it work?

Mainframe rehosting lets you take your existing mainframe assets and move them to the cloud or on premise quickly and with minimal risk. Your applications work as-is on an open system such as Linux. There are no changes to the underlying business logic or user interface. There is no negative impact on the enterprise, and it requires minimal training. Because the operating systems are open with multiple database and utility options, they integrate well with the newer technology required to achieve a competitive edge in the marketplace.

What does it deliver?

- Rapid time-to-deployment, ensuring the fastest ROI
- Reduced total cost of ownership that enables increased investment in innovation
- Accommodates growth with scalability to over 100,000 MIPS
- No change to any application business logic
- Use your existing workforce and skillsets
- No change to the end-user experience
- Container enabled and data modernization
- Analysis of legacy source code as part of detailed assessment
- Conversion to multi-tiered cloud-ready software architecture

Who should rehost?

Anyone who wants to reduce MIPS, re-platform legacy apps or replace a mainframe should consider rehosting.

For some enterprises, reduction in MIPS by offloading them brings needed relief and the flexibility to modernize applications and systems. For others, when outdated applications are moved off the mainframe onto an open system, cost savings are realized. And finally, replacing your mainframe may be the best option for you to move it as-is to an open system to prevent lengthy downtimes, which keeps your business reputation intact and provides the flexibility needed for modern apps and technology.

What are the options?

Three rehosting paths exist, depending on the maturity level an enterprise plans to reach: reducing MIPS, re-platforming legacy apps and replacing the mainframe.

Reducing MIPS

Enterprises can reduce MIPS consumption by identifying high-consumption or data-archiving workloads in their existing environments and offloading these workloads onto less costly open systems—or the cloud. By rehosting your high MIPS consuming workloads, you can reuse the original business logic and other assets from your current mainframe system.

Re-platforming legacy apps

Outdated components can challenge the cost effectiveness of your mainframe and affect the ROI of any major IT upgrade. Rehosting enables you to migrate legacy apps to a new open platform simply and cost-effectively.

Replacing the mainframe

Sometimes a mainframe has been around for so long that its apps and systems are draining your budget and slowing innovation. In these cases, the mainframe is moved as-is to an open system where it provides services equivalent to those on the mainframe. There are no changes to the underlying business logic or the user interface.

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