



Data Management Platform Consolidation With Enterprise Linux

Applications: The Central Nervous System in Modern Enterprises



A modern application portfolio is essential to compete in the digital economy.

Application developers employ a variety of techniques to maintain the currency of their applications:



Repackaging

Moving custom-developed applications to run natively in a new environment such as a public cloud.



Replatforming

Tweaking or updating source code so applications can run natively in a new environment such as public, private or hybrid clouds.

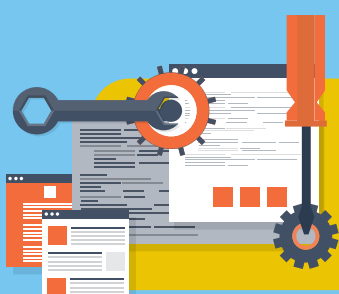


Refactoring

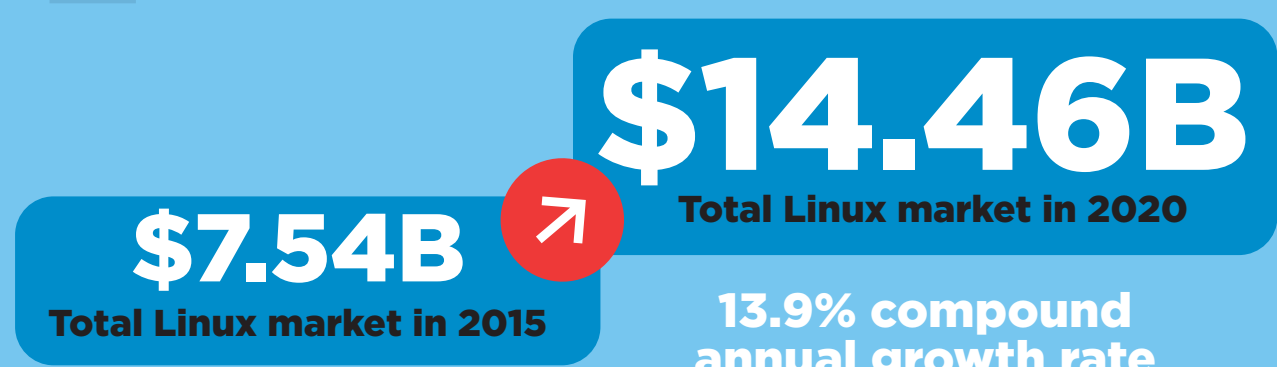
Restructuring existing code by changing the factoring but without changing its external behavior.

Linux for Platform Consolidation and Application Modernization

A versatile operating system environment (OSE) like Linux is an ideal platform for consolidating applications.



Over the past decade, Linux has become a preferred environment at most enterprises, given their shift to open source.



Benefits of Linux

As a modern operating system environment, Linux - and specifically commercial Linux - enables IT organizations to offer:



Modern features due to a faster release cadence thanks to a vibrant open-source community.

Development agility with tools and frameworks used in modern application development, and natively supported on the OSE.

Deployment flexibility and seamless experience on bare-metal or in virtualized environments, in the public cloud, on-premises and in hybrid cloud configurations.

Enterprise service level agreements, with enterprise-grade single vendor support

Microsoft SQL Server on RHEL

The Red Hat Enterprise Linux (RHEL) operating system is Microsoft's reference Linux platform for SQL Server. When it comes to platform consolidation, the two together provide:



Enterprise-grade functionality: Enterprise-grade features on SQL Server are now available on RHEL.



Workload optimized performance: SQL Server on RHEL provides fast performance for tough workloads relative to other open-source or commercial relational databases supported on Linux.



Consistency: SQL Server database experiences are streamlined and consistent across RHEL instances running on-premise or in the cloud.



Agility: Applications replatformed onto Linux can be deployed to run in containers which are natively and fully supported on RHEL.



Security: Both RHEL and SQL Server offer end-to-end security including encryption.



Service and support: Combined product support from Red Hat and Microsoft teams.