

Product porting from Solaris to Linux

The Client

The customer is a global consulting firm focusing on information assets and enterprise connectivity, building core IT and communications services for enterprises worldwide.

The Challenge

The objective of the project was porting of an application from Solaris to Linux platform.

The Solution

The complete product, which included modules such as order management server, paging server, queue server, and transaction service manager, were ported from Solaris to Linux. The specific strategy for the portage was compiling the entire system on Linux. Based on the compilation errors, the existing Solaris based C++ source code was suitably modified on Linux by using, for example, #ifdef. In this manner, a single source code could be maintained for both Solaris and Linux platforms in the future. Each of these server components was ported onto Linux and sent across incrementally to the customer for unit, system and acceptance testing.

The Benefits

- A well-defined porting methodology successfully helped porting the product to Linux platform
- Global delivery model provided significant cost and quality advantages, since the team was located in the offshore development center in India.

The Technology

Linux, #ifdef.