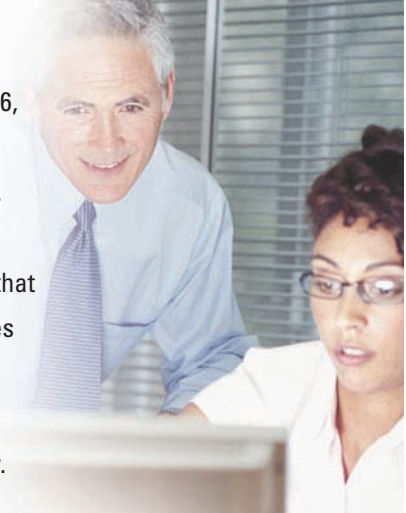




OS/2 Platform Migration and Porting



OS/2™ has not been certified to run on new hardware since June 2006—and as of Dec 31, 2006, IBM®'s standard support for OS/2 was withdrawn with no upgrades or further development planned. What effect will this have on your business and specifically, the applications in your organization that run on OS/2? Datatrend understands the key issues surrounding the OS/2 sunset and can help you preserve the value of your OS/2 applications with minimal business disruption. Let us show you how.

Organizations should consider porting their existing OS/2 applications if they:

- Have had difficulty finding comparable functionality in existing software packages
- Have unique requirements that simply aren't available in today's off-the-shelf solutions
- Don't have the time or resources to rewrite the application
- Lack the in-house expertise needed to continue to support OS/2 on their own
- Are looking for a seamless, cost-effective solution
- Want to avoid increased business risk due to the lack of OS/2 support available today

Challenges

The OS/2 support sunset creates many unknowns moving forward. How much will it cost to maintain your OS/2 environment? Will you be able to find the expertise you need to do so? If you're not comfortable with the unknown costs and resource challenges associated with maintaining your OS/2 applications, it's time for a change. There are three options to consider: find a comparable OS/2 replacement application, rewrite the application for a different platform, or port your existing application to a new platform. Unfortunately, it may be difficult to find a suitable OS/2 replacement application, with the specific functionality your organization requires. And rewriting the application can prove to be a lengthy and costly endeavor. Porting, however, has helped many organizations avoid the risks and escalating costs associated with operating OS/2 applications beyond the sunset and has greatly minimized any disruption to the business.

How Datatrend Can Help

Since 1987, Datatrend has successfully delivered migration solutions and technology improvements that help maximize efficiencies and create a competitive advantage for our clients. We work with medium and large businesses in all industries—with a focus on the financial services, manufacturing, health care, retail, travel and hospitality sectors.

If you've considered your options and come to the conclusion that there is little to no value in rewriting your application—or you don't need new functionality—then porting is certainly your best course of action.

And, Datatrend can help. With our expertise you can:

- Ensure a smooth, successful port
- Reduce errors/delays and ensure success by using a proven methodology
- Speed time to value
- Mitigate risk
- Minimize the cost of "not doing it right the first time"



Proven Methodology and Deliverables

Datatrend's time-tested four-step methodology has a proven track-record of success in helping companies like yours execute a successful port.

Assessment

First among these steps is an **Assessment**. Our specialists work collaboratively with you to fully understand your IT environment and the key challenges that exist today. The goal is to gather the information we need for porting your applications to new platforms. Specifically, tasks performed during the Assessment include:

- Determining context diagram and scope of applications to be ported
- Building/reviewing architecture diagrams of applications to port
- Examining application architecture, interfaces, databases, components
- Examining development environment, testing environment, tooling
- Uncovering issues that require solutions to move the applications to Linux
- Examining source code, scan for OS/2 API, examine compiler differences
- Identifying OS/2 coding issues (semaphores, shared memory, etc.)
- Creating an Assessment report and recommending next steps

Design

In our next step, **Design**, Datatrend uses a solution outline to describe how we can solve the problems identified in the Assessment phase. This phase addresses:

- Application architecture
- Test strategy
- Test plan
- Non-functional requirements
- Completion criteria
- Project plan
- A refined estimate
- The porting schedule

Code and Unit Test

Following the Design phase, Datatrend executes a **Code and Unit Test** which provides:

- Ported application code
- Detailed design documentation
- Test scripts
- Unit test results

Integration Test

Finally, through an **Integration Test**, the tested application is shown to be ready for implementation.

This test includes:

- Testing of interfaces with other applications
- Performance and stress testing
- System testing, such as:
 - Batch and online
 - Transactions
 - Database
 - Response times
 - End user acceptance

Conclusion

Datatrend has the expertise, tools and services to help you quickly and cost-effectively port your applications to a new system. We have extensive experience delivering infrastructure assessment services to medium, large, and very large enterprises. And, our subject matter experts are well-versed in providing OS/2 porting services. Using our proven methodology, you can preserve the business value of your OS/2 applications. Plus, we guarantee results and quality levels. **Contact us today for more information (800-367-7472 or www.datatrend.com).**

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