

Advanced Software Research & Development Services

Kernel and Driver Development

Apriorit's Kernel and Driver Development service is one of our prime competencies and a differentiator for our company.

Each of our development teams includes driver specialists, but we also have a **Driver Development Team** that contains our top driver developers who are expert in Kernel and Low-Level functions. They work closely with our specialized Driver Testing and QA Team.

Apriorit specialists apply Kernel and Driver technologies to complex tasks of all types such as:

- Data and Network Security
- System Behavior Change
- System Monitoring
- Device Management
- Backup and Restore
- Virtualization

Our drivers work at all levels; user mode, kernel mode, and down to the system bootloader level.

Kernel and Driver development projects can be challenging, because there are lots of architectural and system communication nuances. With many man-years of experience, inhouse developed utilities, time-proven techniques and a vast knowledge base, our team is prepared for the challenge.

With Apriorit, your projects will always be completed quickly, and of the best quality!

The logo for Apriorit, featuring the word "apriorit" in a stylized font. The "a" is green, and the rest of the letters are orange.

Our Kernel and Driver specialists will provide you with the technical magic needed to solve the most complicated system, network, and data management tasks.

Kernel and Driver information makes up a large part of Apriorit's knowledge database. We have an intensive training process for Junior specialists, and we have the depth of knowledge to focus on peculiarities, undocumented features, and architecture nuances.

Our experience consists of a number of applications including:

- System Monitoring: Registry | Process | Service | I/O calls | Clipboard | etc.
- Virtual Device Drivers: Display | Printer | USB | I/O Devices
- Virtual Disk and Virtual File System
- File System Filter Drivers
- Network Drivers
- Device Access Management
- Process | Service | File Hiding
- Kernel Mode Hook
- Running System Patch
- All-level System Hook Detection | Set | Remove
- System Bootloader Customization

Languages	Operating Systems
C, C++ (user and kernel mode), Objective-C, Assembler	Windows x86, x64 Linux x86, x64 Mac OS X

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