



When Open Source opens Pandora's Box

The use of Open Source software provides tremendous leverage when used correctly. For example FRRouter is a very efficient and low cost way to add Layer 3 routing software to your next generation router solutions. Likewise, Open Source software is available for Operating Systems, Deep Packet Inspection, video quality measurement algorithms, databases, and many other applications.

But Open Source is not entirely free of obligations or necessarily free of license requirements, license fees, obligations, and even security risk. In addition, while Open Source software can add a lot of value to your next product or solution, it will need to be adapted to your product and the intended applications need to interwork with one or more Open Source software blocks.

Companies are advised to ensure to consider security risks in embracing Open Source software. In many ways Open Source software can provide the lowest risk of security back doors because the source code is open to the associated community for review and is open to study.

On the other hand Open Source software is often intended to provide access to data that is very sensitive, for example in the case of security concerns including Man in the Middle (MITM) attacks and covert packet tapping that are inserted into in-line software based packet forwarding. This can affect software such as used with DPDK and SwitchDev. Both are commonly used in data centers currently.

Finally, when outsourcing software development, corporations need to ensure that the overall delivered code does not include undisclosed or unlicensed code, or Open Source that includes an End-User License Agreement (EULA) that must be agreed upon by the end user.

AimValley can recommend when to leverage open source code and help you navigate the license agreements. We also can perform Black Duck scans to ensure you have full transparency regarding any code that might require further licenses, and possibly royalties.

Why AimValley?

AimValley is a reliable provider of Edge technology since 2003, delivering solutions for:

- High speed data processing applications
- Complex FPGA-based accelerated systems
- High speed, low power hardware equipment
- Robust embedded software
- Early adopter of Acceleration Technology

Joint Development

Achieving your goals requires you to constantly adapt to new technologies. Based on your requirements, we design solutions and ways to jointly implement them.

Tailor-made Solutions

We collaborate with you to deliver your desired solution (complete product or only part of the development).

Fast-Track Development

Taking advantage of re-usable designs and IP enables us to develop your solution on a fast track.

Innovative Solutions

AimValley is continuously looking for alternative and optimized ways of designing high-tech products. We have an extensive patent library.

Phased Approach

Our design process is structured to successfully take your product from concept to production and flexible enough to allow you to leverage any of our services on a standalone basis.

Certification

AimValley is experienced in certifying products or systems, such as EMC/ESD, CB and CE.

Life Cycle Management

We offer life cycle management for the design and/or the product. This includes maintenance and component obsolescence management.

Quality Focus

- Outstanding track record of on-time delivery
- Best in Class Designs – Time, Budget & Quality
- ISO9001, ISO140001, Ecovadis Platinum CSR