

## KVM Redirect – Hardware VNC

### Project description

While Moore's law strives forward and personal computers become more and more complex, IT headaches grow exponentially.

Imagine yourself as an end-user that encounters a failing OS or a hardware conflict and your machine simply refuses to boot normally. Just then you remember you must send an urgent email, and your IT personnel are abroad. You phone the IT manager begging for help, but it seems too complicated to communicate and solve over the phone. Wouldn't it be great if he could just access your computer as if he were sitting in your chair?

One of the major efforts at Intel & large-scale Corporations today is the development of manageability capabilities that will help the work of IT and improve the performance of the computer, and extend its life time.

As part of the manageability abilities of the computer there is a growing need to redirect the data which appears on the screen without the need of a functional Operating System.

Our project comes to solve the inherent problems related to software VNC such as the need to configure a VNC server, the need for a functioning OS and usage of distinguished amounts of CPU. Since we transfer these operations and confine them to the second layer, we immensely decrease the use of the CPU and we loose the need of an operating system. In this manner, IT personnel can log into any computer on their network using our feature. Thus, controlling/rebooting/installing new OS is possible.

Our application can provide fast, simple and elegant remote access to any platform containing our chip.

### Project members

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### Supervisors

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