

Reflections on the OS industry

Operating Systems

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History, through what has happened with the different movements and corporations of Software, has shown that the operating system influences how a Software for users will be useful. If we go back in time we will find a Steve Jobs and a Bill Gates competing in the beginning of the era of the personal computer but in different approaches; while the first one worried about what the great masses, common and ordinary users could observe as useful and acquirable so that at first sight it is usable, for the interactive part of the software; the second was more concerned with a personal computer that can operate as automated as possible, by the functional part of the software itself. Two approaches so complementary that could make us wonder how they made the 2 corporations of which both were the CEO, Apple Inc. and Microsoft respectively, were in competition, the answer is simple; lead the market since in the end what people observed was the product that was offered but not how it was made to work. However, as I mentioned, the approaches are complementary, which meant that both corporations were concerned about the strength of their counterparts, and in a certain way they needed each other. This is where it can be mentioned that, although Apple had innovation oriented to the best user experience, in the beginning it lacked a good operating system that allows it to pass beyond the first impression, the long-term utility and instead the Microsoft's beginnings only captured the interest of customers who already had command line knowledge. However, the CEO of Microsoft upon noticing this quickly could find a solution and 'imitate' the competition and lead the market with Windows, something that the CEO of Apple did not do for a long time and the Corporation began to decline due to lack of an Operating System, to react that the long-term success of a Software was based on its operating system, Apple, added to its great capacity for interactive invention, excelled. Then the operating system makes the difference in the market, in the utility and technological innovation.

But the market goes beyond what the user chooses to spend their money, also covers market policies and agreements between corporations, here we can mention the War of the browsers. Again, Microsoft is threatened by the power of innovation of another company that seemed small, the creator of Netscape. Before Netscape, accessing the Internet was not so simple for a common user, so that when it came out, it had many followers and since Microsoft was always determined to lead the market, it made Explorer emerge. This is where we can observe the market power that a company can have, since Microsoft was the leader in terms of the operating system for personal computers, it could restrict the use of a certain program, since the operating system controls everything. The distribution of resources on a PC, Microsoft then threatened to lose the license if Netscape was used as a program in its intention to remain a market leader. In fact, until today there is no personal computer that does not come with Explorer or its successor Edge as a main browser already incorporated. Then the operating system can influence the market thanks to its main characteristic.

In this last point is to predict the triumph, but if you must guide it to some sense, I would distinguish it in the following way. At the market level, Operating Systems that are not Open Source are going to lead as they obtain higher royalties for licensing and acquisition of the Operating System. However, while the Open Source or Free Operating Systems do not find a harmony to really catch the user, there will always be more ramifications of an Operating System and it will be divided for the purposes in which they specialize but will not cover a globality. Really think about the individual triumph of a single vision or strategy

is to deceive yourself, you should always consider the best of each and seek their complementarity. Find the balance between attractiveness for ease of use and functionality.

The analysis of this essay has been very much in the past, now it is time to think about the future. Technologies are advancing and what you see most today is wanting to turn everything that interacts as a computer, that everything that is used in the environment is capable of self-administration, yes, I'm talking about the IOT. Currently, much is thought about it, but its development again is based only on what the object in question will perform, on its functionality; but not in optimization. With this I want to refer to that personal computers and even phones have enough hardware to be able to have all that the device will need to process each of the functions it houses.

But when referring to IOT we want the object to be the object that has always been or to change for that to be possible, if not rather than with the minimum space used to house the 'intelligent' part of it, we allow to improve its use. And that's where the great challenge of the Internet of things lies, to develop an operating system capable of meeting these new demands, therefore this is the future challenge of an Operating System, forget everything you know so far as resources to be adjusted to what each thing gives you as one.