BUSTA n. 2

Domande orali:

1. Cosa sono i Web Services? Quando vengono comunemente utilizzati? Esiste uno standard?
2. Descrivere le differenze tra un database relazionale e un database nosql.
3. Il candidatao descriva la composizione e le funzioni del Consiglio di Amministrazione della SISSA

Testo inglese:

In 1969 the Advanced Research Projects Agency (ARPA) funded a research and development project to create an experimental packet-switching network. This network, called the *ARPAnet*, was built to study techniques for providing robust, reliable, vendor-independent data communications. Many techniques of modern data communications were developed in the ARPAnet.

The experimental network was so successful that many of the organizations attached to it began to use it for daily data communications. In 1975 the ARPAnet was converted from an experimental network to an operational network, and the responsibility for administering the network was given to the Defense Communications Agency (DCA).[2] However, development of the ARPAnet did not stop just because it was being used as an operational network; the basic TCP/IP protocols were developed after the network was operational.

The TCP/IP protocols were adopted as Military Standards (MIL STD) in 1983, and all hosts connected to the network were required to convert to the new protocols. To ease this conversion, DARPA[3] funded Bolt, Beranek, and Newman (BBN) to implement TCP/IP in Berkeley (BSD) Unix. Thus began the marriage of Unix and TCP/IP.

About the time that TCP/IP was adopted as a standard, the term *Internet* came into common usage