

Guest Role of Computer

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Abstract: In this paper discuss about the firmware .more computer are alive with the hardware and software. But this software and hardware are activated by firmware. Without firmware we can not connect hardware and software. Because of it is one layer of the operating system on the top. In embedded system also have the firmware . this is also link or fix between software and hardware devices. In this process are same as the middleware. Because of middleware act or transfer the data from one device to another with the help of middleware. The middleware also have the firmware. Some time middleware act as a firmware. But all middleware is not a firmware. Some middleware are firmware. Because it is interact between the system either software or hardware separately hardware can connect to the software and software connect to the device. All are wit in the help of firmware. Without firmware without connection to other software and other hardware devices. Because we are told guest role of computer or electronic devices to utilize the firmware. The firmware is a more essential to computer or electronic devices to connect all activated by the firmware.

Key words: firmware, software, hardware, middleware, embedded.

INTRODUCTION

The firmware is more essential of whole computer or electronic devices. Which is connect to work and activated. While execution are made by the operating system or application. That operating system are fix or link between operating system and application programs. Then only the system are your application programs. the application programs are separate .Then system program are separate. The application program are separate. Execute via through the firmware. Firmware is the top layer of the operating system. Not only operating system and also application programs, embedded system, middleware. These are executed by the software and hardware executed with the help of firmware.

The BIOS(basic input output system) are activated to the (connected to the) system or electronics devices. In other hand different hardware and application programs are link ans share the data (information) by

the the firmware. because it is do the guest role of computer. Without guest can not functioning in festivals like as without firmware can not function the digital device or computer peripherals. Before link the device. then only link the firmware. So firmware is the guest role of computer.

Why.....?

First understand firmware and middleware. The firmware directly embedded to the hardware. But middleware separate by the software .The middleware is link between software and other software. These firmware and middleware more or less do the same process. But some middleware are not firmware.

BIOS(basic input output system)-is firmware

Boot loader- is firmware

Instruction set -is firmware not middleware.

These two guest to function of computer device and user. The main guest in the firmware used all types of electronic devices or embedded system also.

BIOS(Basic input output system).Which is link between other devices(electronics) .That is ... pendrive, camera, scanner ,printer... etc all are activated and connected to firmware then only connect to the device to the computer.

Boot loader is a firmware. Which activate system software by firmware . Instruction set which is also software instruction set will be connect to the firmware. In some software is also connect to the middleware. So some middleware is nit a firmware.

Firmware:

It is form of micro code or programme embedded in to hardware. Because it is on the top of the system programming. which is help to connect ... cameras, scanner, mobile phone, printers,tv remote relay.. etc. Because it is built in to the memory and to function smoothly. Write by low-level (machine level) functions. the firmware is software run on the micro controller.micro controller means system- on- chip

(SoC). the hardware can not operate without firmware. So software and firmware which control the operating system.

The firmware is a translator can not work without work other software. Just only layer embedded fill only software needed to make device work. This is inter connection with the additional equipment mostly used embedded system. This is nervous system of computer.

Middleware:

It gives connection between application or component in a distributed network .reside between application and understanding platforms. middleware is a software which beyond the operating systems..only middleware is the connection given the application.some middleware work as firmware. But not all middleware .so because main guest is firmware.

Web services,application services middleware is help to newer to older application. It is enterprises application integration. Also it have data base oriented middleware ,(jdbc)&(odbc).are open database connectivity

Jdbc-java data base connectivity.

Odbc- open data base connectivity.

So , middleware is also called some type of firmware.

Ware:

The ware means either software of hardware is have the real stuff and virtual. Both are have the firmware. the hardware and software both are connected between newer application to older application.

The hardware is real stuff which is fix the physical component. these are also fix with the firmware.

The software is virtual or imaginary .these are all also fix with the firmware. Either software or hardware without fix firmware connection can not appear. Either physical component or other application programs. Which essential of the ware.in the form firmware.soft ware and hard ware the farm of physical and application. that farm are application of firm ware. also piece of the software and hardware. Each and every ware. how to fix with the hardware and software... the sort and hard wear that firmware then only get the activation.so fix the firmware and get the activation either physical and application. These is the guest for the computer or application not only compute and also user can use the connection and

activated to devices,that is computer,palmtop,laptop,scanner, printer...etc....

Embedded system:

The embedded means software .hardware and firmware are called embedded system. The embedded is the heart of the micro controller/micro processor. The hardware layers embedded system include the sensor,actuator, memory connect I/o interfaces as well as power supply.

It consists of micro controller and micro processor. The micro controller is the internally embedded in to the electronic devices. It may called programmed chip.like micro processor are also programmed chip which is integrated with in the external buses. But micro controller is the single device. Micro processor is group of micro controller which is connect between external buses. These are all executed by the firmware. This is the component of embedded systems or process of the embedded system.

CONCLUSSION

This topic covered by the firmware. In every software .hardware, embedded, middleware system are all having the role of firmware .because it is junction of the hardware and software. either embedded or middleware.

Bridge between electronic devices or application programs, system program to transfer the data with the help of hardware and software via through the junction of the firmware. the computer function and execution made by the firmware.so computer festivals celebrate user need firmware. because it is the guest of computer. To link between the user and computer execution or function with the help of guest firmware. without firmware either software hardware can not function in to the computer. The firmware is guest of not only computer all other electronic devices also which is nervous system of all electronic devices.

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