

What's New

The 2nd Edition of the book, FYSOS: The System Core, is now available. With this new edition, approximately 130 additional pages of information were added.

More pleasing to the eye

One of the most noticeable changes was the font used for the body. With this change, the 1st Edition was cut by approximately 25 pages, only by changing from a fixed font to the non-fixed font you see here used for this announcement. Then when the new information was added for the 2nd Edition, the physical count of pages grew by about 110 actual pages.

Another noticeable change is the quality of some of the images used. For example, when you came across a note, as in the note below, notice that the image is a bit more detailed compared to the previous edition.



More detailed images are used.



Compared to the previous images.

I spent some time making the book more pleasing to the eye, and easier to read. However, the bottom of each page is still clear and available for hand written notes. I also left the source code listings a fixed font, for the ease of code indention.

Corrections

A few grammar corrections, typo's, and such were fixed, along with a few small errors. Other issues and corrections, broken URL's, and things like this were corrected.

I also updated the source code included on the CDROM image, most notably the new utilities, such as getting the A20 line technique, a GPT partition utility, Multi-processor detection, and an ACPI parser.

Additional Information

I added more information, figures, and notes for the existing text, and also added detailed information on more hardware. For example, I added detailed information on the Legacy hardware items such as the PIT, PIC, and RTC as well as new hardware like the APIC, ACPI, and HPET, multi-processor detection, etc.

I also added information about the new UEFI BIOS and how to write a boot loader for this new BIOS.

A few appendixes were added, including information on how to use the CPUID instruction and read and write from the Model Specific Registers.

Availability

The process of publication allows me to update the book at any time, therefore once a new edition is created, the older editions are no longer available. As long as you purchase from CreateSpace.com or Amazon.com as a new book, you will receive the latest edition.

The 2nd Edition is currently available from:

<https://www.createspace.com/4478566>

and

<http://www.amazon.com/exec/obidos/ASIN/1492958441>

Please note that the Kindle version will not be updated at this time. I get very little interest in the Kindle version and at this time will no longer pursue that format. If I get enough interest from you readers about the Kindle version, I may decide to update that format then.

Other Comments

This has been an enjoyable project, and I am very grateful to all of those who have contributed in one way or another, and especially to those who have purchased or will purchase this book. The proceeds are a great incentive to continue my work on this and other books in this series.

Thank you to all,
Ben

http://www.fysnet.net/the_system_core.htm