

Ifcpu64.c32

From Syslinux Wiki

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About

ifcpu64.c32 is a comboot module for Syslinux that check's the CPU flags for 64-bitness (and optionally for 32-bit PAE support) and loads the appropriate label in a pxelinux.cfg file.

This is only available in Syslinux 3.71 or later.

Requirements

- working Syslinux environment
- two kernel images
- one 32bit environment or an additional 64bit environment

Syntax

```
ifcpu64.c32 64bit-label [-- pae-label] -- 32bit-label
```

The use of -- is required! The PAE is also optional.

Example

Here is an example pxelinux.cfg file for booting

```
label ifcpu64-l
kernel ifcpu64.c32
append system_64 -- system_32

label system_64
kernel kernel64
append initrd=ramfs.x86_64.cgz root=/dev/ram0

label system_32
kernel kernel32
append initrd=ramfs.x86.cgz root=/dev/ram0
```

Further Reading

None

See Also

- Ifcpu.c32 64 - Detection of 64bits capable CPUs