

Change virtual BIOS and Update of VirtIO-Driver in VMs

Collax V-Cube 6.0.8, Collax Inter-V

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General

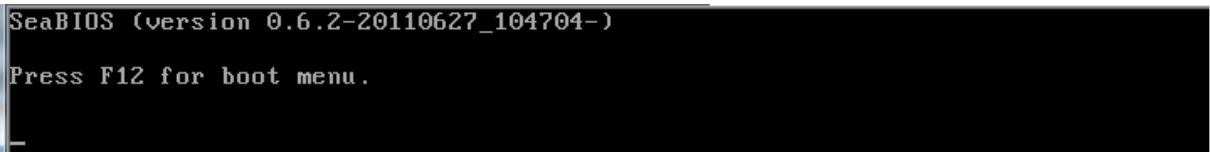
The BIOS for the virtual machines (SeaBIOS) and the Virtio drivers for Windows will be renewed with the Collax V-Cube 6.0.8. To receive optimum performance and stability, use the SeaBIOS 0.6.2 with the new Virtio hard disk drivers and new Virtio network drivers.

Generally it is recommended to switch all virtual machines to SeaBIOS 0.6.2 step by step because more functionality and stability is available for the virtualization system. Additional Collax intends to remove the version 0.6.0 in medium term.

Change to SeaBIOS 0.6.2 of a virtual machine

By default all virtual machines use SeaBIOS 0.6.0. The newer version 0.6.2 is active for the virtual machine if the machine will have been shutdown and booted again. Please follow these steps to change the SeaBIOS version for a virtual machine:

- Choose SeaBIOS 0.6.2 within the Collax VM configuration form. Save and activate.
- Shutdown the VM via the Collax GUI (Machine control).
- If the VM is stopped start it again.

A screenshot of a VNC console showing the SeaBIOS boot screen. The text displayed is "SeaBIOS (version 0.6.2-20110627_104704-)" on the first line and "Press F12 for boot menu." on the second line. The background is black and the text is white.

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SeaBIOS (version 0.6.2-20110627_104704-)
Press F12 for boot menu.
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The new version is displayed within the VNC console

Update of VirtIO drivers within virtual Windows guests and change to SeaBIOS 0.6.2

If Windows guests use VirtIO drivers and they shall be updated it is recommended to change the BIOS to SeaBIOS 0.6.2. If the virtio drivers are not updated the BIOS version shall not be updated either.

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	Virtio-Treiber bis V-Cube 6.0.6	Virtio-Treiber ab V-Cube 6.0.8
SeaBIOS 0.6.0	Ok	OK
SeaBIOS 0.6.1.2	NOK	OK
SeaBIOS 0.6.2	NOK	OK

Follow the procedure to update:

- *Put Windows driver ISO into the VM*
- *Look into the README file to identify the appropriate directory for your operating system*
- *If the disk driver going to be installed, the system requests a reboot. Do not execute the reboot at that moment. Click on <action>Update Driver Software...</action> within the Windows Device Manager at the storage controller or network adapter.*
- *Set the SeaBIOS version to 0.6.2 on all virtual Windows machines, where the drivers shall be updated. Activate the configuration.*
- *If the Virtio driver is up to date the VM needs to be shutdown via the Collax Virtual Machine Control. Then the VM can be started again and it will use the new BIOS-Version and the new virtio drivers.*