

## FreeNAS - Feature #27820

### Add sysutils/devcpu-data

01/16/2018 08:47 AM - Warren Block

<b>Status:</b> Done	<b>Estimated time:</b> 0.00 hour
<b>Priority:</b> Important	
<b>Assignee:</b> Alexander Motin	
<b>Category:</b> Hardware	
<b>Target version:</b> 11.2-BETA2	
<b>Severity:</b> Med High	<b>Needs Merging:</b> No
<b>Reason for Closing:</b>	<b>Needs Automation:</b> No
<b>Reason for Blocked:</b>	<b>Support Suite Ticket:</b> n/a
<b>Needs QA:</b> No	<b>Hardware Configuration:</b>
<b>Needs Doc:</b> No	
<b>Description</b> The sysutils/devcpu-data port can update Intel microcode.  The questions about adding this port are:  Should the rc.conf entry be enabled by default? (microcode_update_enable="YES")  Should there be an alert if the user disables the tunable?  Can we verify that it is smart enough not to downgrade to an older version of firmware? (cpucontrol(8))	
<b>Related issues:</b> Copied to FreeNAS - Feature #39099: Let the CPU microcode update when applicable <b>Done</b>	

### History

#### #1 - 01/16/2018 09:02 AM - Alexander Motin

- Status changed from Unscreened to Screened

At this point we do not have it enabled by default at all. We should probably update it and enable as some point as soon as vendors finalize their microcode updates after the recent security issues. I am just not sure we should hurry here, since I've heard that at least some of Intel updates were not exactly successful. Let the dust settle a bit.

#### #2 - 01/16/2018 11:42 AM - Kris Moore

- Target version changed from 11.1-U1 to 11.1-U2

Sounds like Alexander is right, some of the microcode updates may be getting fixed / refined over the next month or even more. We'll push this back a release to -U2. Meltdown really is still the highest priority here to bring in.

#### #3 - 01/24/2018 05:46 AM - Dru Lavigne

- Status changed from Screened to Not Started

- Reason for Blocked set to Dependant on a related task to be completed

#### #4 - 01/24/2018 07:10 AM - Alexander Motin

- Status changed from Not Started to Blocked

**#5 - 01/26/2018 06:18 AM - Ben Gadd**

- *Due date set to 02/12/2018*

Due date updated to reflect the code freeze for 11.1U2.

**#6 - 01/26/2018 09:38 AM - Ben Gadd**

- *Severity set to New*

**#7 - 02/05/2018 10:37 AM - Ben Gadd**

- *Target version changed from 11.1-U2 to 11.2-RC2*

**#8 - 02/08/2018 11:31 AM - Ben Gadd**

- *Due date deleted (02/12/2018)*

**#9 - 04/15/2018 06:49 PM - Alexander Motin**

- *Status changed from Blocked to In Progress*

- *Severity changed from New to Med High*

- *Reason for Blocked deleted (Dependant on a related task to be completed)*

It seems we have an updated Intel microcode in ports now. The only question is to enable the updating by default during boot by setting the rc.conf variable by default. We should test it at least on our main types of systems.

**#10 - 05/15/2018 11:26 AM - Dru Lavigne**

- *Status changed from In Progress to Closed*

- *Target version changed from 11.2-RC2 to N/A*

- *Reason for Closing set to Not Applicable*

Unfortunately, this port is no longer applicable as Intel will no longer support this option.

**#11 - 06/02/2018 12:02 PM - Daniel Kempkens**

On the 18th of May, the port was updated with the following message:

Use new tool committed by Ed Maste of the FreeBSD Foundation to process Intel microcode files into a format cpucontrol can process.

Which sounds to me like devcpu-data will still work. I think this issue should therefore be reopened.

**#12 - 06/12/2018 12:19 PM - Dru Lavigne**

- *Status changed from Closed to Unscreened*

- *Target version changed from N/A to Backlog*

- *Reason for Closing deleted (Not Applicable)*

**#14 - 06/18/2018 08:03 AM - Ben Gadd**

- *Target version changed from Backlog to Backlog*

**#15 - 07/20/2018 08:03 AM - Alexander Motin**

- Status changed from *Unscreened* to *In Progress*
- Target version changed from *Backlog* to *11.2-BETA3*

I've updated the port to the latest. Intel set from July 3rd, 2018, AMD from about May 2018. Still not loaded by default yet.

**#16 - 07/20/2018 08:04 AM - Alexander Motin**

- Category changed from *OS* to *Hardware*

**#17 - 07/20/2018 08:29 AM - Alexander Motin**

- Target version changed from *11.2-BETA3* to *11.2-BETA2*

Lets ship new images with 11.2, but postpone experiments with pulling the trigger to 11.3 nightlies.

**#18 - 07/20/2018 11:02 AM - Alexander Motin**

- Copied to Feature #39099: *Let the CPU microcode update when applicable added*

**#19 - 07/20/2018 11:06 AM - Alexander Motin**

- Status changed from *In Progress* to *Ready for Testing*
- Needs Merging changed from *Yes* to *No*

Latest microcode package version 1.18 should be present in next build. People who want to use it may set `microcode_update_enable="YES"` rc.conf option. General experiments we start in nightlies after 11.2-stable is branched or even released.

**#20 - 07/24/2018 11:20 AM - Dru Lavigne**

- Needs Doc changed from *Yes* to *No*

**#21 - 07/27/2018 10:58 AM - Bonnie Follweiler**

- Status changed from *Ready for Testing* to *Passed Testing*
- Needs QA changed from *Yes* to *No*

Test Passed in FreeNAS-11.2-MASTER-201807270859  
(Build Date: Jul 27, 2018 12:10)

**#22 - 07/27/2018 11:01 AM - Dru Lavigne**

- Status changed from *Passed Testing* to *Done*