

pfSense - Bug #6147

S.M.A.R.T. actions need to be blacklisted/disabled on HyperV.

04/14/2016 07:40 AM - Jim Pingle

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|--------------------------|------------------|-------------------------------|------------|
| Status: | Resolved | Start date: | 04/14/2016 |
| Priority: | Normal | Due date: | |
| Assignee: | Chris Buechler | % Done: | 0% |
| Category: | Operating System | Estimated time: | 0.00 hour |
| Target version: | 2.3.1 | | |
| Affected Version: | 2.3 | Affected Architecture: | All |

Description

When attempting to use S.M.A.R.T. on HyperV, either from the widget or Diag > S.M.A.R.T. Status, the VM will crash. It appears as though HyperV is disconnecting/removing the disk, as the VM will either show filesystem errors in the GUI or crash/panic in a way that suggests the disk disappeared.

S.M.A.R.T. has no meaning/function in such an environment, but people can still trigger it unintentionally by adding random widgets or maybe restoring a config with the widget from a system that was previously on bare metal.

Not really a bug in pfSense since it's HyperV that's overreacting, but if that is something we can detect it would make for a better user experience.

Associated revisions

Revision df5c2c73 - 04/23/2016 02:52 AM - Chris Buechler

Add Hyper-V support to system_identify_specific_platform, and disable S.M.A.R.T. actions in Hyper-V guests. Ticket #6147

Revision b4594d39 - 04/23/2016 02:52 AM - Chris Buechler

Add Hyper-V support to system_identify_specific_platform, and disable S.M.A.R.T. actions in Hyper-V guests. Ticket #6147

Revision 35c8b891 - 04/23/2016 03:14 AM - Chris Buechler

Hyper-V SMART - didn't intend to commit that part. Ticket #6147

Revision b700d79e - 04/23/2016 03:15 AM - Chris Buechler

Hyper-V SMART - didn't intend to commit that part. Ticket #6147

Revision 7de3b9b1 - 04/27/2016 03:25 AM - Chris Buechler

Fix Hyper-V SMART disable on widget. Ticket #6147

Revision fe13359e - 04/27/2016 03:27 AM - Chris Buechler

Fix Hyper-V SMART disable on widget. Ticket #6147

History

#1 - 04/23/2016 03:04 AM - Chris Buechler

- Tracker changed from *Todo* to *Bug*
- Category changed from *Web Interface* to *Operating System*
- Status changed from *New* to *Feedback*
- Assignee set to *Chris Buechler*
- Priority changed from *Low* to *Normal*
- Affected Architecture set to *All*

What triggers the kernel panic is:

```
smartctl -H /dev/$dev
```

Since it's a bug in the OS, I'll re-classify as a bug. It's not a sensible thing to try to use with Hyper-V, but if you restore a config that happened to have it on the dashboard, or just click the widget's name in the add screen, you end up with a system where you can't log into the web GUI without causing that kernel panic to be hit.

I added Hyper-V to `system_identify_specific_platform`, and changed SMART's page and widget to do nothing when Hyper-V.

#2 - 04/27/2016 03:27 AM - Chris Buechler

- *Status changed from Feedback to Resolved*

- *Affected Version set to 2.3*

fixed