

Minutes from sponsor meeting held on 8/20/2012:

ARs:

- **David:** fix hex dump formatting in userspace tool.
 - **John and Jacob:** implement magic number in driver-side and user-side code.
 - **Katya:** run checkpatch.pl on the driver code; check driver code formatting.
 - **Jacob:** remove hard-coded “e1000” from driver source.
 - **Jacob:** run memtop tool on driver code.
 - **Everyone:** send progress report to Devin by Wednesday.
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- Meeting began at 6:00 p.m.
 - We brought up question for Shannon and PJ about error when writing garbage data to the bar:
 - Shannon: part of QEMU memory reserved by host may have been overwritten.
 - On some devices, reading the entire bar will crash the driver or the system.
 - Devin’s points:
 - We can’t do I/O mapped memory.
 - Sponsors ok with this.
 - We hit a snag when using multiple devices.
 - Sponsors ok with this: said that we we’re testing for a higher amount of devices than the majority of customers would use in their systems.
 - Data from the driver is already stored in little-endian.
 - pahole gives us an option for big or little-endian.
 - Shannon: big-endian makes more sense without spaces in the hex output.
 - John gave a demo of his search feature.
 - Sponsors want to see hard-coded line for debugfs mount point moved out of driver source.
 - Shannon: might be able to rewrite Loki insertion functions into a #define directive.
 - Shannon: run the ‘checkpatch’ script found in the kernel source script directory over our driver code.
 - PJ: we can use the memtop tool to find out more about our memory problem we encountered during testing.
 - Shannon: a checksum feature could be used to identify corrupted blob files.
 - pyunit: assert function needs input and output.
 - Kyle: the blob is verified during the parse step.
 - Shannon: requesting magic number feature:
 - Use /etc/magic to lookup and avoid magic number conflicts
 - Find a number that is not used.

- Shannon: requesting a version number feature:
 - A version number lets a parser of the blob file know if it can/how to parse the blob.
- PJ: can we dump registers?
- PJ: it would be good to have an example in the documentation showing how to dump registers with our Loki tool.
- PJ and Shannon offered to code review our code after we run check patch.
- Everyone needs to send a progress report to Devin by Wednesday.
- Devin will be on IRC at 6:00 p.m. on Wednesday.