

Minutes from team meeting on 5/14/2012:

ARs:

- **Devin:** focus on deciding which format specification that our implementation will utilize to organize the data we are passing out of the driver.
 - **Unassigned:** build a document that lists all of the tools we will need for development.
 - **John:** research little/big-endian flipping tool or method for analyzing the debugfs output.
 - **General project requirement:** have a running version of our project complete by end of Spring term.
 - **Everyone:** hold meetings to discuss the data format specification of our information dump (ELF, DWARF, etc.)
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- General progress report:
 - Kyle has backup system working - backups are being sent to the EeePC machine in the capstone lab.
 - The WBS has been posted.
 - The wiki has been enabled in Redmine.
 - Jacob posted documentation specific to our project in the Redmine wiki.
 - Devin will be focusing on specifying the format specification that our implementation will utilize to organize the data we are passing out of the driver.
 - We will be using an online tool at wbstool.com to build a diagram of our work breakdown structure.
 - We can add to this WBS diagram by uploading a saved XML copy of the diagram.
 - The risk management plan should be very general.
 - Format for the risk management plan:
 - [specific risk] -> [how to mitigate it]
 - The project requirements document is done.
 - Requirements testing: we need to verify that our code is meeting our project requirements.
 - Everyone currently has gotten a copy of Kyle's QEMU development image running.
 - Devin would like to use team meetings as a show-and-tell for what each person is working on/has completed since the previous meeting.
 - The weekly meeting schedule is changing:
 - We will have 6:00 p.m. review meetings on Mondays.
 - We will have meetings at 4:00 p.m. on both Wednesday. and Fridays.
 - We will not schedule any meetings during the week-long break between the spring and summer terms.
 - Quick command to get the current code repository:
 - `git clone ssh://gitosis@capstone-projects.cs.pdx.edu:6022/TeamE`
 - [The team browsed through the E1000 driver code on the overhead projector.]

- e1000_adapter structure:
 - This data structure records the ring size, the number of descriptors, etc.
- The E1000 driver code needs to be added to ReviewBoard.
- The adapter struct will look different in memory based on the way it was compiled.
- We should have a document that lists all of the tools we will need for development.
- “*.ko” files identify kernel object files.
- Useful command line sequence to watch changes to the debugfs filesystem:
 - “watch hexdump”
- John will research little/big-endian flipping for analyzing the debugfs output.
- John and Katya have documents deadlines approaching (due next Monday).
- The new meeting schedule will start next week.
- By the end of this term, we need to have a running version of our project complete.
- kdb - Kyle’s tool from Intel that he uses to pause and inspect the kernel.
- We should have a few meetings to talk about the format of our info dump (ELF, DWARF, etc.)
- Meeting ended at 7:35 p.m.