  

**Linux Kernel Hack Challenge**  
Linux Kernel Hack Challenge is a contest to encourage Linux professionals to solve an execution time measurement problem. The winner solution will be awarded with a flight in a SAAB Gripen simulator including travel to Linköping, and accommodation.

The task is to provide a Linux kernel modification that gives a more accurate worst-case execution time measurement taking into account cache effects. The winning solution may be used to verify execution time aspects of airborne software.



For more details, see the full specification. **Challenging tasks**   
\* Execute small applications uninterrupted by Linux in a small time-slot.  
\* Force a cache invalidation/flush at a specific point in time.  
  
**Requirements**  
\* Linux kernel shall be 2.6.32, PowerPC e500v2.  
\* Deadline for your solution is 2015-02-28.

**Prices**A flight in a SAAB Gripen simulator including a trip to Linköping, and accommodation.

**Benchmarking**  
Benchmarking is done using acceptance test found in full specification.

**The rules**  
Prize is limited to European residents.  
All submitted solutions must comply with GPL v2 license.  
The winner takes it all!

**How do I proceed?**  
See <https://github.com/christoffer-nylen/linux-kernel-hack-challenge>  
We accept solutions as pull request to the above github repo from 2015-02-25 to 2015-02-28.

**Questions?**See the [FAQ](http://tbd/) on github.