CrypTech Workshop Agenda
15-16 July

**Intercontinental Berlin**
**Budapester Str. 2**
**10787 Berlin, Germany**

Meeting Room: Koepenick III


Workshop cost: None

Paying for your alpha board: if you are an alpha tester and plan to take an alpha board home with you, we would like to recover cost for these boards from you. We are asking for 800USD. We plan to collect the money through crowdsupply. You can see the campaign here and pay through that: <insert link>.


Draft agenda (timings other than start times on each day are guesstimates)


Friday 15 July
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0830 Coffee available

0930 Introductions and setup

1000 Presentation of the cryptech alpha device
- cryptech overview
- overall hardware architecture
- the FPGA
- HSM software architecture, CLI, and RPC mechanism
- PKCS#11, client side software, how to configure the board


1100 Break

1130 Hands-on testing
 * get binary packages running on participants own laptops (https://wiki.cryptech.is/wiki/BinaryPackages)
 * we provide
   + documentation for initialization etc
   + a (set of?) possible scenarios, eg opendnssec to test
 * profit

1230 Buffet lunch will be brought in

1330 Hands-on testing continues

1500 Coffee break

1530 Hands-on testing continues

1700 Finish day one

Dinner on your own


Saturday 16 July
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0900 Hands-on testing continues

1030 Coffee break

1100 Workshop wrap-up
- outstanding questions
- feedback from the participants
- opportunity to articulate what participants will need that isn't already available

1300 Finish




What you need to bring:
During the workshop you will have access to the cryptech platform using
a PKCS11 interface (reviewing PKCS11 might be a good way to prepare for
the workshop). We will use OpenDNSSEC (using PKCS11) as a reference
use case but you are encouraged to think about other applications that
use PKCS11 you want to test. We will be there to help and will do our
best to fix stuff that breaks along the way.

Bring a laptop with 2 USB 2.0 ports free (or a USB hub) running either
MacOS or Debian Linux.  We will provide client PKCS11 software
packages for Debian Jessie and Ubuntu Xenial ,and Homebrew for MacOS. You
will use one USB port for PKCS11 and one USB port for admin CLI access
to the cryptech device.

For admin access you will find useful some form of serial console application

capable of handling 921600 bps line speed.