

Meeting information

- **Dates:** Wed 11th - Fri 13th December 2013
- **Location:** Offices of .SE in Stockholm ([Ringvägen 100](#), Stockholm, Sweden)
- **Expected attendees:** Patrik, Jakob, Matthijs, Yuri, Sion, Sara, Masson, Jerry.

Logistics

- **Airports:** Arlanda (ARN) or Bromma (BMA)
- **Directions from Arlanda to .SE:** Take the Arlanda Express Train from the airport to Stockholm Central. Transfer to the main metro station ("T-Centralen") and take the GREEN line towards Hagsåtra, Farsta strand or Skarpnäck. Get off at "Skanstull", (4th stop from "T-Centralen"), exit to street level southbound (in the direction you came into the station) and find Ringvägen 98 (it will be right across the street from the subway station).
- **Recommend Accommodation:** Clarion Stockholm (Ringvägen 98, Stockholm, Sweden: http://www.clarionstockholm.com/hotel_stockholm)

Agenda

Wednesday 11th

- General discussion topics
 - [Roadmap/OAB board updates](#)
 - [Discuss team structure](#) (inc. testing role)
 - [Patrik has been trying to get testing resources from various places put with no luck.](#)
 - [John Dickinson is available to do some testing work over the next 6 weeks.](#)
 - [Jerry is confirmed as available for 3 days a week on ODS for the coming year. We discuss what he might work on and propose that he might help out with 2.0 development for the first few months on next year as this is high priority rather than working mainly on re-installing the test systems. He will also have a release manager role when we move to git.](#)
 - [JIRA workflow \(does agile help/work?\)](#)
 - [We discuss that having to clone issues for each release has come disadvantages](#)
 - [Firstly we end up with different issue numbers in the NEWS file. We agree it makes sense to use the issue number from the most recent version that the issue is fixed for in all the NEWS files.](#)
 - **ACTION:** [Sara to investigate whether it would be better to use subtasks instead of clones.](#)
 - [Move to github \(Jakob/Jerry\)](#)
 - [An initial discussion takes place of the move](#)
 - **DECISION:** [Most people agree that when we move OpenDNSSEC we should host it on github rather than hosting it ourselves \(Matthijs prefers gitlab\).](#)
 - [A branch structure for managing multiple branches is proposed and Jerry agrees to do a demo on Tuesday of how this would look in practice](#)
- Production releases
 - [Usability developments](#)
 - [We look through the list of developments and make the following decisions](#)
 - **DECISION:**
 - [The 'ods-control summary' tool should be straightforward to implement as a standalone bash script on 1.3. This could then be run periodically via a cron job. \(It could also include a ods-control hsm summary which would help users understand when they are approaching the storage limit of the hsm\)](#)
 - [We should do some basic improvements to the logging in 1.3 so that at least every command line util logs something to the syslog](#)
 - [We should take a look at what SurfNET have done to automate their DS upload and capture it as a contrib at least](#)
 - [We should expend some effort to have proper error codes for syslog msg in 2.0. The logging is not really implemented in 2.0 so we have a good opportunity to address one of the usability issues here.](#)
 - [A generic event notification system will not be done before 2.0.](#)
- Testing

- Platforms (Jerry)
 - **DECISION:** We review which platforms we should be support and agree that we should support the following on 64 bit only:
 - Ubuntu Server 10
 - Ubuntu Server 12
 - Red Hat Enterprise Linux
 - Solaris 11 x86
 - Solaris 11 Sparc64
 - SUSE Linux Enterprise Server
 - FreeBSD 9
 - We also discuss that it might be worth Jerry looking at automating the re-install as much as possible to reduce the SA overhead for this task in future
- 2.0 (enforcer-ng)
 - Where are we with 2.0 right now? (30 mins)
 - Current development status
 - Sara walks through the 9 epics that have been created to track the remaining 2.0 tasks. We have 58 open issues against 2.0 and this will increase once Sara completes her review of the API implementation.
 - Demo - using the current 2.0 code
 - We walk through a basic rollover on the current 2.0 and review the following behaviour:
 - For the specific case of the default rollover mechanisms (Pre-publish ZSK/ Double sig KZK) the current 2.0 implementation now introduces an additional delay in reaching 2 active keys. This is a consequence of the completely generic implementation in 2.0 and the fact that the workflow was optimised in 1.4 for the specific case implemented. We discuss that we think this will an issue for users, particularly those whose business depends on publishing signed zones as soon as possible. A JIRA issue (503) has been opened to try to address this if possible.
 - We discuss that fact that the procedure to move from 'ready' to 'active' for the DS has an additional manual step in 2.0 compared to 1.4, that is a ds-submit step. Even having one manual step in 1.4 is reported as a pain point for users and so we agree that it would be desirable to streamline this so users do not have to change their workflow. We agree that if a user issues a ds-seen for a key that is waiting for a ds-submit that this should not be an error, but that they should be able to do both steps in one. There should be appropriate warnings and a --force flag available. This is tracked in OPENDNSSEC-498
 - We also agree that the 'ods-enforcer key export' command should not change the key state (as is currently implemented in 2.0). This is tracked in OPENDNSSEC-504

Thursday 12th

- Git demo by Jerry
 - We look at the test repo created by Jerry and discuss a number of issues around the migration. These are captured on this wiki page: [subversion to git migration plan](#). Note that the top level Git page has also been moved to the Project Processes folder.
- 2.0 Zone list handling (user interface and signer/enforcer interface)
 - Comments added to wiki page following discussion
 - Note made to extend the regression test to make sure the signer is picking up the correct zones after the changes by Matthijs.
- Offline keys
 - Comments added to wiki page following discussion
- SoftHSM v2
 - **ACTION:** Sara to follow up on
 - need to decide if the next release is alpha or beta
 - start using a correct git workflow on the master SoftHSM repo
 - should set up some jenkins tests using SoftHSMv2
 - need to find a new lead developer for the project
 - try to create a roadmap
- 2.0 discussions
 - Key purge/deletion. These commands are not currently implemented in 2.0 so we review the use cases for them:
 - In 1.4 the <Purge> tag is used to control automatic key deletion. If this is not specified then keys

are not automatically purged. In this case the user can run the key purge command manually. This removes keys from both the DB and the hsm but applies only to keys that have already been used.

- Key delete may be needed if the alg/size of a key is changed and there are generated keys that will never be used. Note that active keys can be deleted as this may be valid if there are multiple keys... this delete also removes from both DB and hsm.
- Beware of purge/delete on shared keys
- Note to check implementation of key purge based on the tag removes from DB _and_ from HSM. (reason for this is to avoid hitting limits of the HSM).
- (The related JIRA issues have been updated with these notes)
- Restart/Reload/Update conf/notify/etc.
 - We have a long discussion about how the 2.0 daemon differs from the 1.4 daemon and what we should document and what we should change. We come to the following conclusions:
 - **DECISIONS:**
 - 'ods-enforcer update conf' should be renamed 'ods-enforcer update repository' as the name is misleading since all the command does is reload the repository section of conf.xml. **UPDATE:** 'update repositorylist' is proposed as a more correct name by Matthijs in feedback.
 - In general, we should try to make the enforcer and signer daemons consistent in their behaviour with each other in 2.0, even if this makes the 2.0 enforcer daemon different to 1.4
 - There is no equivalent of the 'ods-control enforcer notify' command in 2.0. We should simply document how 2.0 works (start/reload/enforce) and if there are use cases that are not supported by this then we can review adding other options.
 - We agree that a 'reload' command on each daemon should reload the subset of options from conf.xml that it is safe to update during a reload and that the enforcer should also re-read the kasp.xml file. This is described in OPENDNSSEC-372.
 - We also agree that hsm_open should hold the repository information in memory, it should not re-read conf.xml on every 'open'. OPENDNSSEC-509 create for this.
- Support for unsigned zones
 - Update to JIRA issue (138) made after discussion of xml changes.

Friday 13th

- Views
 - We discuss the recent requests to support views and come up with a proposal to support it by having an array of adapter elements in zonelist. This is updated on OPENDNSSEC-232.
- More git...
 - We have another demo and go into more detail. We discuss issues around how we will do code reviews and testing in the new workflow. Jerry is going to try to document the basic workflow.
 - The test repo is available at: <https://github.com/opendnssec/opendnssec-workflow-test>
- Sara and Yuri discuss
 - Changing the 'ods-enforcer time leap' command so that it will take a time and can therefore be used to replace the timeshift functionality used in the 1.4 regression tests
 - Key state mapping table (photos taken of whiteboard tables, will be added to documentation)
 - 2.0.0a4 sprint
 - **ACTION:** Yuri will update the code review ODS-16 with the result of the discussion about how to support updating repositories on the fly (key gen must not be in progress and all connections must be closed)
- Next developer workshop
 - We discuss when to hold this and agree that we should plan to hold it the Thursday 27th and Friday 28th February (just before IETF 89 in London). We could either hold it in London or in Oxford/Wallingford.
 - **ACTION:** Sara will start the planning for this asap.