EPP Self Test Tool

Anne-Marie Eklund-Löwinder
Chief Information Security Officer
.SE (The Internet Infrastructure Foundation)
@amelsec
amel@iis.se

.se

Background

- EPP Created 2000.
- Draft RFC 2004.
- Full RFC 2007.

- .SE implemented EPP 2007 internally.
- All .SE registrars use EPP only from 2009.

- 2012 - .SE got a wide knowledge of app EPP implementations due to ICANN's PDT program.
- Realized that there was no publicly available test tool for EPP.

EPP Self Test Tool Overview

- Uses the same xml input file as PDT.
- Tests the following parameters:
  - Connectivity over ipv4 and ipv6
  - Domain
    - Create, Update, Delete, Transfer
  - Contact
    - Create, Update, Delete
  - Hosts
    - Create, Update, Delete
- Can be expanded to do more good stuff.
- Can handle "any" extensions schema.

.se

EPP Self Test tool

Where can I get it?

- https://github.com/dotse/EPP-Selftest-Tool
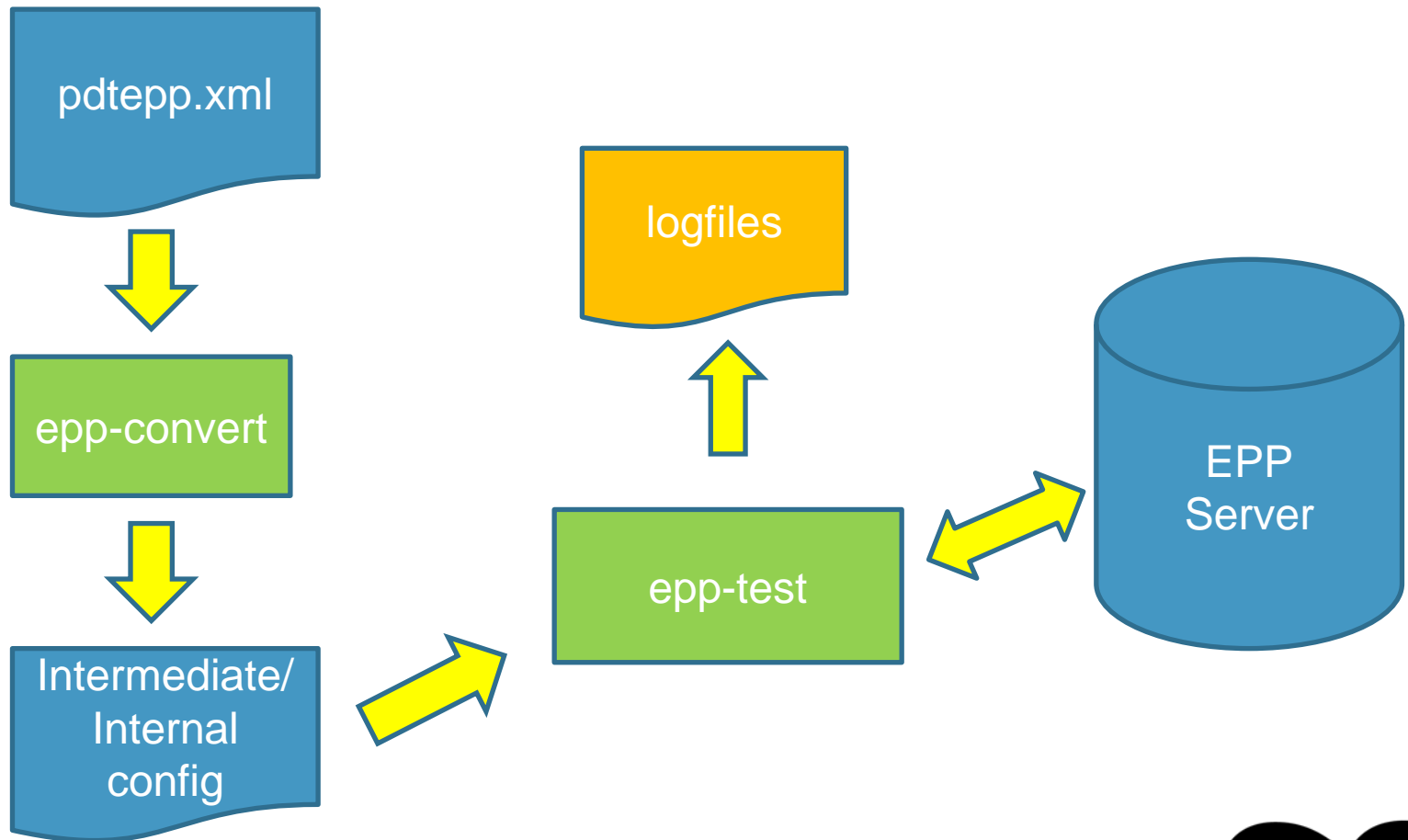
Disclaimer

- The EPP Selftest Tool and the actual EPP testing under PDT are not equal.

- There is no guarantee that successfully running the EPP Selftest Tool means that the same EPP system will pass the EPP testing under PDT.

What if I want to learn more?

- There is a readme.rm on github.
- You may address questions to my colleague Jan Saell: jan.saell@iis.se.

Other useful tools

- From .SE:
- Tool for examining IDN properties
  - https://github.com/dotse/idn-properties
- Tool for checking DNS delegating quality check
  - https://github.com/dotse/dnscheck
- PacketQ, a simple tool to make SQL-queries against PCAP-files, making packet analysis and building statistics simple and quick.
  - https://github.com/dotse/PacketQ
- From others (zone file testing):
  - https://www.nlnetlabs.nl/projects/credns/
  - https://github.com/tobez/validns/

.se

Thank you!

Questions will be answered on best effort…

.se