Interop Testing v6

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IETF 118, 2023-11-09

https://tests.sequoia-pgp.org
https://tests.sequoia-pgp.org/v6.html
interop testing OpenPGP since 2019

- circa 131 tests
- around 1510 test vectors
- found loads of bugs across many different implementations
- includes some v6 tests
  - test vectors from the draft
  - asks implementations to generate v6 keys
- [https://tests.sequoia-pgp.org](https://tests.sequoia-pgp.org)
  - runs all tests
  - enter "v6" in the search bar
- [https://tests.sequoia-pgp.org/v6.html](https://tests.sequoia-pgp.org/v6.html)
  - happy to test your preview releases
  - runs only v6 tests
## Results around IETF116

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<tr>
<th>RelyCc6</th>
<th>GSSAPI 2.2.40 (gssname-sop 0.1.0)</th>
<th>GSSAPI 2.4.0 (gssname-sop 0.1.0)</th>
<th>OpenPgp:5.2.0 (sop-openerpfp-1.1)</th>
<th>LibNmcc 1.4.0 (dhg-sop 1.2.0)</th>
<th>Section 1.2.0 (sop-0.27.2)</th>
<th>GSSAPI 1.4.23 (gssname-sop 0.1.0)</th>
<th>PGP 0.6.0 (sop-0.3.3)</th>
<th>Rnp 0.16.2 (RNP-sop 0.2.0)</th>
<th>CopernicP 2.5.2 (gsoap 0.0.0)</th>
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What can you do?

- suggest tests, write tests, review tests
- help with test suite development and maintenance
- implementers:
  - consider implementing your own SOP frontend
    - if you do, clue me how to build it and keep it up-to-date
    - preferably, get it into Debian
  - do you have a development version? a v6 branch?
  - implement SOP’s ‘-profile’
- get in touch
  https://gitlab.com/sequoia-pgp/openpgp-interoperability-test-suite