Considerations regarding the correct use of EAP-Response/Identity

draft-ietf-radext-populating-eapidentity-00

IETF 95, Buenos Aires, AR

Stefan Winter <stefan.winter@restena.lu>
Status after adoption as WG item

- BCP track
- Introduced Terminology section
  - Identifiers: plenty of those available
  - We only care about those that transpire to EAP-Response/Identity in one way or another
- Basic advice still unchanged
  - Whatever you use as local encoding, convert it to UTF-8 when putting it inside EAP-Response/Identity
  - If there's a pool of more than one identifier to choose from, run a sequence of EAP sessions until one succeeds
Discussion Points on ML

1) Choice of terminology **SOLVED**
   - Inner Identity → User Identifier
   - Outer Identity → Realm Identifier
   - Will use the latter in next rev

2) Can we mandate that all EAP-Response/Identity MUST be UTF-8? Yes. **SOLVED**
   - BCP && Updates: 3748
   - Nothing stopping us?

3) Local encodings of identifiers **SOLVED**
   - No restrictions: what happens in the supplicant, stays in the supplicant
   - But MUST convert whatever you have to UTF-8 when sending
Discussion Points on ML (2)

1) Cardinality of realm vs. user identifiers SOLVED

- There can be m user identifiers
- There can be n < m realm identifiers
- Realm in user identifier (if any) does not necessarily match realm identifier
- Choice of “n” is dependent on EAP method that uses “m” i.e. first choose EAP method, then look up realm identifier replace “matches“ with “dependency“

2) User identifier SOLVED

- New EAP methods and existing ones permitting it: NAI
- Otherwise: whatever the method needs

3) Realm identifiers: local part and NAI-ness SOLVED

- Local part empty: best choice
- “anonymous” just for backward compatibility
- SHOULD NAI for closed enterprises / MUST NAI otherwise
Discussion Points from memory

1) At one point, we touched the topic “normalisation”
   
   • Suggestion: follow NAI wording: EAP peer may normalise before sending.
   • I.e. nobody else touch it!
Next Steps

1) Converge on open issues
2) New rev
3) Lather, rinse, repeat :-)

restena.lu