

# RFC8366bis voucher

draft-richardson-anima-rfc8366bis

Michael Richardson,  
(+Kent Watsen, Max Pritiken, Toerless Eckert)

IETF 111  
ANIMA Working Group

# RFC8366: A Voucher Artifact for Bootstrapping Protocols

finished around January 2018

published May 2018

derived by RFC8995 (voucher-request), constrained-voucher (voucher + voucher-request), brski-async-enroll, brski-cloud, delegated-voucher, and ??

# RFC8366: the problem

While the bulk of the leafs are in a grouping, and can be added to or marked optional (i.e., removed)

The YANG enumerated types can not extended or modified without revising the YANG module entirely.

- BRSKI-async-enroll would like a new “assertion” type, as it does not fall into the three existing types.

# RFC8366: solutions

- use empty mechanism to build leaves for enumerated types in a different way
  - I can't explain this, so I won't try.
- make the enumerated part an IANA managed
- then we can use normal IANA Considerations to have it amended.
  - When amended, then IANA produces a new YANG module for us
  - can include having “value” for branches, which makes the core-yang process work better
- has no real affect on coders if they write their own code
- in some future, YANG modules might be subject to useful code generation, in which, using the latest YANG module gets one the right values

# What's been done so far

- turned XML into markdown
- Used Martin Thompson Makefile
- extracted YANG module to file, added rules to generate tree, and deal with YANG module versioning
- compared resulting txt file to RFC8366, no other changes until WG -00 adopts this

# My plan

- get agreement that this work needs to be done
- get WG-00 adopted as mostly identical to RFC8633
- work on changes needed to turn this into IANA managed YANG module

# Discussion

- There may be other things that need to get updated/fixed in RFC8366.
- WG needs to decide on scope of work
- Unclear if we can go from PS → Internet Standard in same step.