



A note from the student behind this lab

This is an **independent, free, learning-only student project**. It respects every company and vendor, and every trademark belongs to its owner. It is **not affiliated with or endorsed by** any of them.

If anyone has a concern, the content will be removed or corrected promptly: please write via <https://cyphermonkeylabs.com/#contact>. Nothing here is sold, and I am happy to volunteer for any organization.

SBCs and trunking

RFC 7092 taxonomizes B2BUAs. An SBC is commonly a UAS on one side and a UAC on the other, not a pure proxy.

UAS on one side, UAC on the other

A back-to-back user agent receives a request and processes it as a UAS. To continue the call it acts as a UAC and generates a new request.

RFC 3261 defines that concatenation. RFC 7092 taxonomizes the B2BUAs that products actually build, including SBCs that also touch media.

Not a pure proxy

A pure proxy forwards the same request and adds its own Via. It does not create a second dialog with a new Call-ID just to hide the first hop.

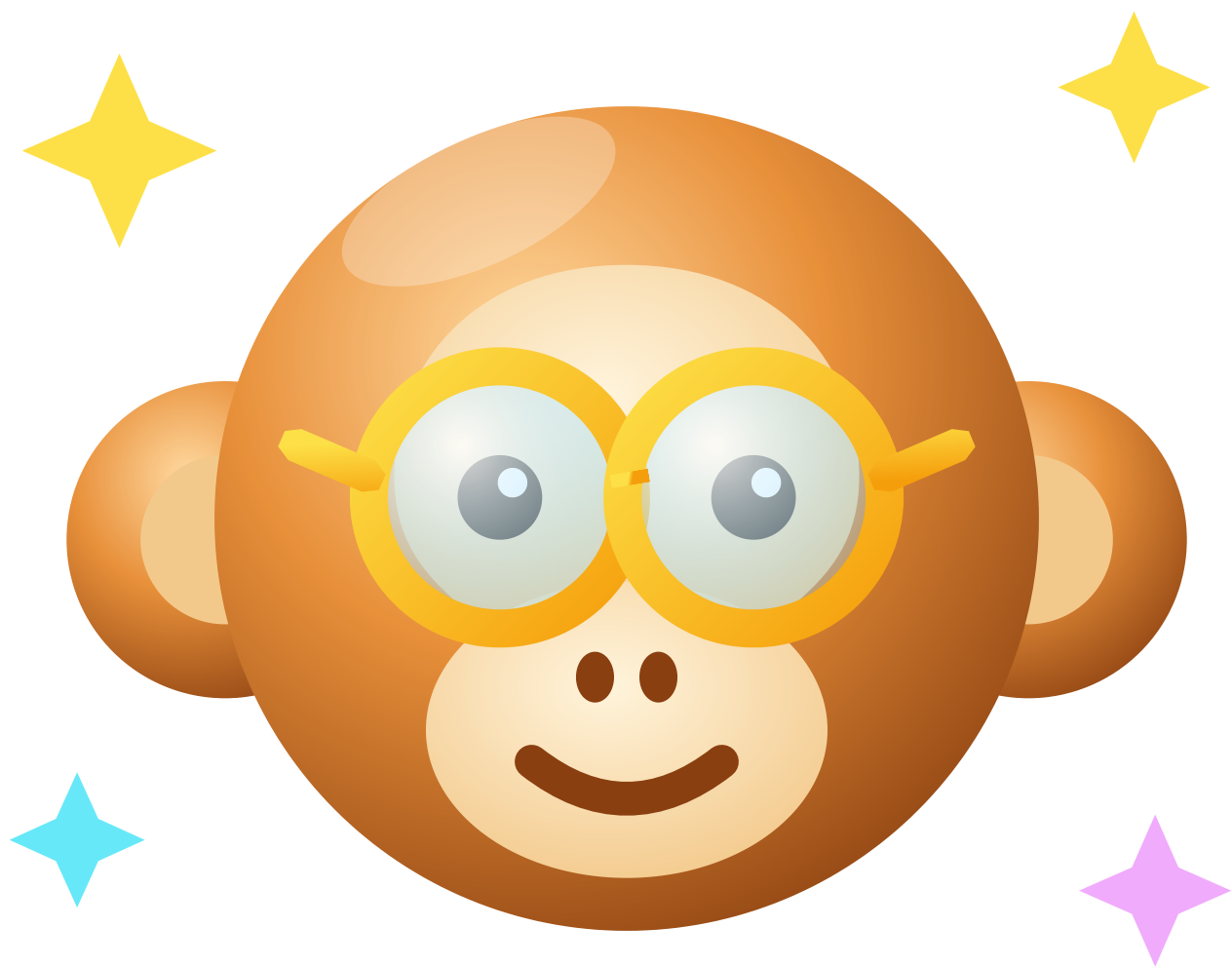
An SBC is commonly a B2BUA. The outbound INVITE in this synthetic uses Call-ID b2bua-legb-01@example.com while the caller still uses Call-ID a84b4c76e66710@example.com.

Room: [An SBC is commonly a B2BUA](#)

Sources and go deeper

- [RFC 7092](#) — last checked 2026-10
- [RFC 3261](#) — last checked 2026-10
- [RFC 3261 §16](#) — last checked 2026-10

CypherMonkey Labs







© 2026 CypherMonkeyLabs 🐵

[Open app](#) · [View repo](#)