Tutorial:
Reverse-Engineering Architecture

This material provides a full tutorial of phase 2: Reverse-Engineering Architecture

1. **APK Downloader**
    a. Get the example.apk file using **APK-Downloader**
2. **COVERT**
    a. Use COVERT tool to generate the intermediate code (*example.xml*):
        i. Add the *example.apk* into *Covert/folder*
        ii. Run the command: *./covert.sh <folder>*
        iii. Output: *example.xml* (located in folder/analysis/model/example.xml)
3. **ACME-Generator**
    a. Add the *example.xml* into **ACME-Generator** folder
    b. Add the *example.apk* into **ACME-Generator** folder
    c. Run the command: *sh run.py ./apps/example.apk ./resources*
    d. Output: *example.acme*
4. **ACME STUDIO**
    a. Open *example.acme* in ACME STUDIO:
        1. Create a new project
        2. Add the file <*example.acme*> in *ACME* workspace
        3. Refresh and open the project

References

- Covert Tool Project **https://www.ics.uci.edu/~seal/projects/covert/index.html**
- COVERT Tool Manual **https://www.ics.uci.edu/~seal/projects/covert/COVERT%20User%20Manual_v2.0.pdf**
- ACME Generator **https://github.com/arsadeghi/ACME-Generator**
- ACME Studio **http://www.cs.cmu.edu/~acme/AcmeStudio/**