CAP(NO need anymore)

<https://en.wikipedia.org/wiki/Common_Alerting_Protocol>

<https://alerts.ncdr.nat.gov.tw/Document/CAP%E8%B3%87%E6%96%99%E8%AA%AA%E6%98%8E.pdf>

XML parser(No need anymore)

Ezxml, expat or libxml2?

Ezxml is lightweight

<https://bryceknowhow.blogspot.tw/2014/08/ezxml-xml-parsing-c-library.html>

<https://stackoverflow.com/questions/399704/xml-parser-for-c>

<https://docs.oracle.com/cd/B28359_01/appdev.111/b28394/adx_c_parser.htm#ADXDK1400>

<http://ezxml.sourceforge.net/>

Call back function tutorial

(The best one I’ve found)

<http://mvnllife.blogspot.tw/2013/10/c-note1.html>

UDP

<http://lang.idv.tw/doku.php/program/c/socket_udp_%E8%A9%B3%E8%A7%A3>

Issue

1.

Which module should has control to the buffers on gateway? It’s CommUnit or NSI?

2.

NSI should do more job, but what?

3.

NSI and CommUnit are kinda overlapped on the role and responsibility.

4.

How’s the size of a Zigbee packet?

5.

What haven’t done

1. The reader and writer of files from beacon. Add the info.(beacon iD, enter time, leave time, Mac address) into the file sent to gateway. Then directly send it to the server. \*\*If the Bluetooth carrier doesn’t leave the coverage of Zigbee, the end time would be set as the current time stamp(TBD: is the leaving time stamp be set by beacon or gateway?)

Server can use the relation of tile content to make search and sort(RDB).

2. To coordinate CommUnit and NSI(Such like who is gonna run dequeue and.enqueue)

In the best case, NSI is in charge of receiving data from sender, then CommUnit execute the the Dequeue.

Conclusion

1. CommUnit is charge in all communication and NSI only makes connection built, addr\_map maintenance and initialization.
2. Beacon sends string instead of file.(So, got to adjust the buffer.)