bcc Hacking Stuff

Map in Map Issue

https://github.com/iovisor/bcc/issues/1318

The Basics

- we need a file descriptor to an inner template map
  - bcc already supports BPF_PINNED_MAP
  - maybe this could be useful?
- possibly should have a way to *free* the template map after it is created

Creation Flow

1. define inner map
2. lookup inner map fd by name
3. define outer map using attributes of inner map
4. maybe free inner map fd

Important Files

- `src/python/bcc/table.py`
  - python objects to refer to BPF tables
  - already defines ID for hash_of_maps
  - still need to write the class
- `src/cc/export/helpers.h`
  - define helper macros for BPF programs
  - need to add macros for HASH_OF_MAPS here
- maybe more

Some Diffs That Might Be Useful

- add btf support for maps
- add support for devmap
- add lru hash and lru per cpu hash
- add devmap and cpumap