


Pay-As-You-Go: ‘...’(ellipsis)

```
1  if received_on_port == EXT_DEVICE and flow_map.has(internal_flow):
2      fl_id = flow_map.get(internal_flow)
3      flow_map.refresh_idx(fl_id, now)
4      out_port = vector_get(int_devices, fl_id)
5      return ([out_port], [ether(h1, saddr=..., daddr=...), ipv4(h2, cksm=...), tcpudp(h3)])
6  else:
7      pass
```



Outline

- Push Button
 - Low-Level Correctness [Insight | Usage Scenario | Design]
 - Semantic Correctness [Insight | Design]
- Pay-As-You-Go
- Full Stack
- Evaluation [Practical | No Perf Overhead]