



SINE NOMINE
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OOB Update: Pipelines

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Overview

- Review
- Filter/pipeline framework
- Current/future status



Review

- EAKC 2012 (Edinburgh)
- Initial project: TCP, throughput
- New effort: more general



OOB Pipeline

- Originally, single “mech”s
- TCP-gzip, Rx-gzip, UDT-gzip, ...
- Need a new approach



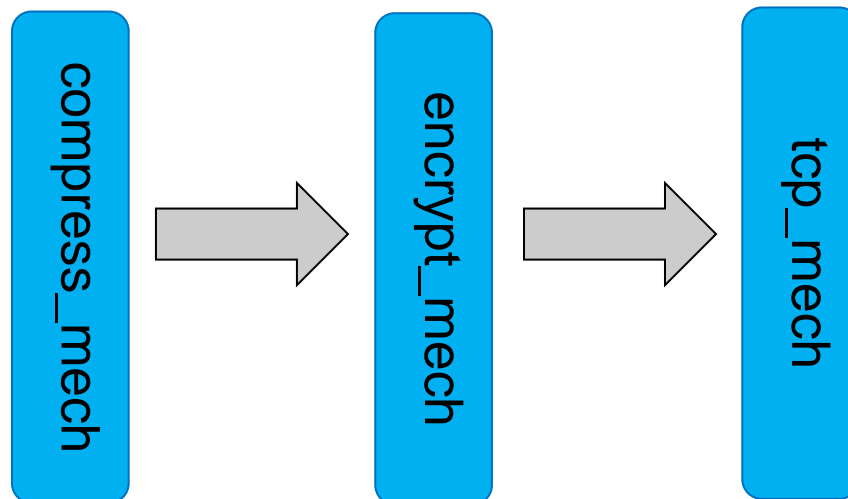
Quick notes

- Terminology: “mech” “iface”
- You may want to write a mech some day!



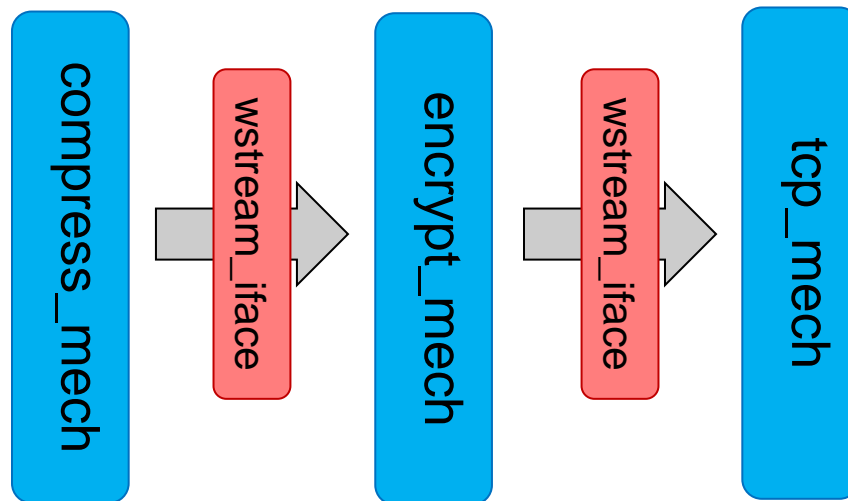
OOB Pipeline

- Client requests: compress_mech | encrypt_mech | tcp_mech



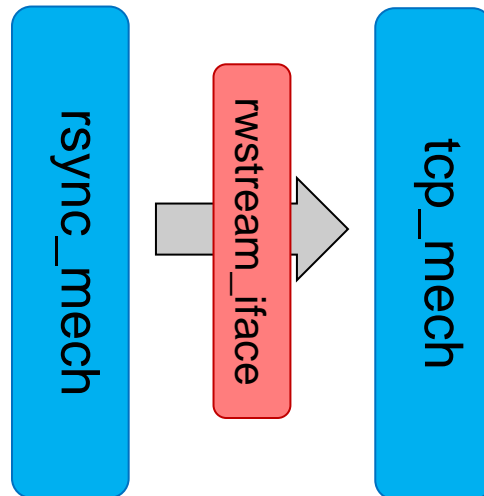


OOB Pipeline (interfaces)





OOB Pipeline (interfaces)



OOB Pipeline (terminals)

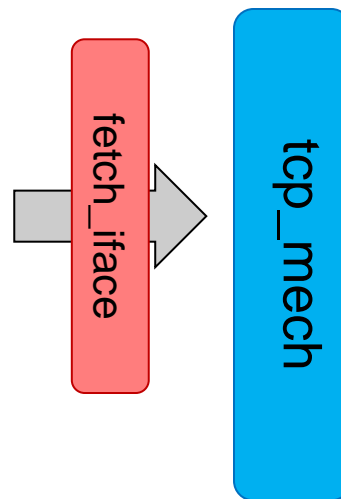
- Let's simplify a bit:

tcp_mech

- Not really correct...

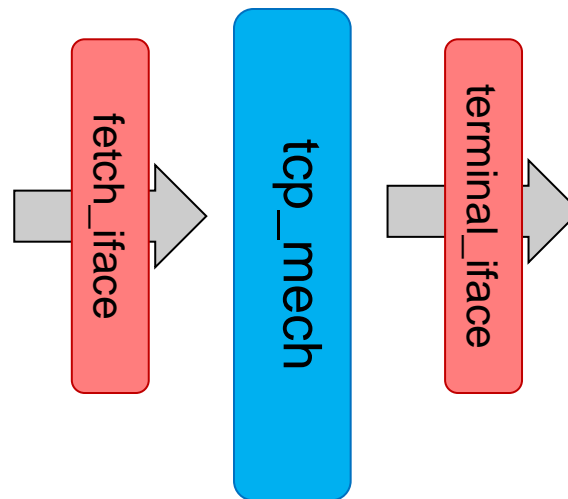


OOB Pipeline (terminals)





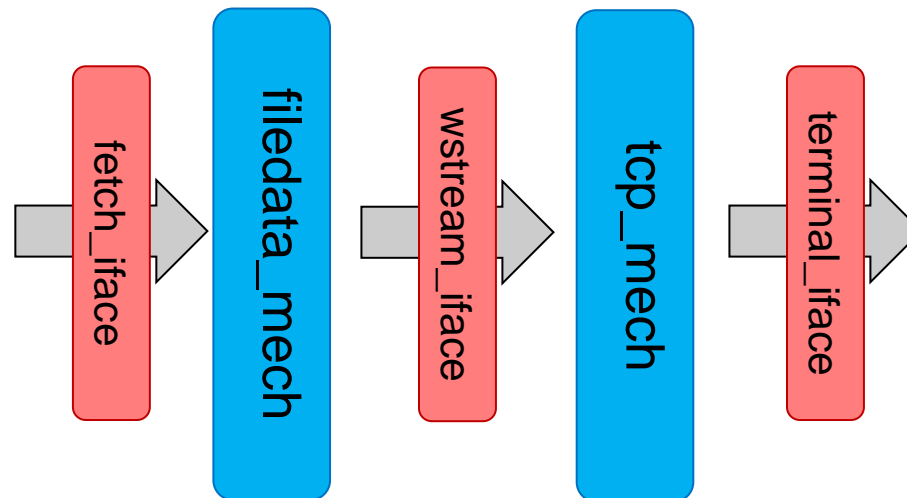
OOB Pipeline (terminals)



- But TCP doesn't know about files...



OOB Pipeline (terminals)

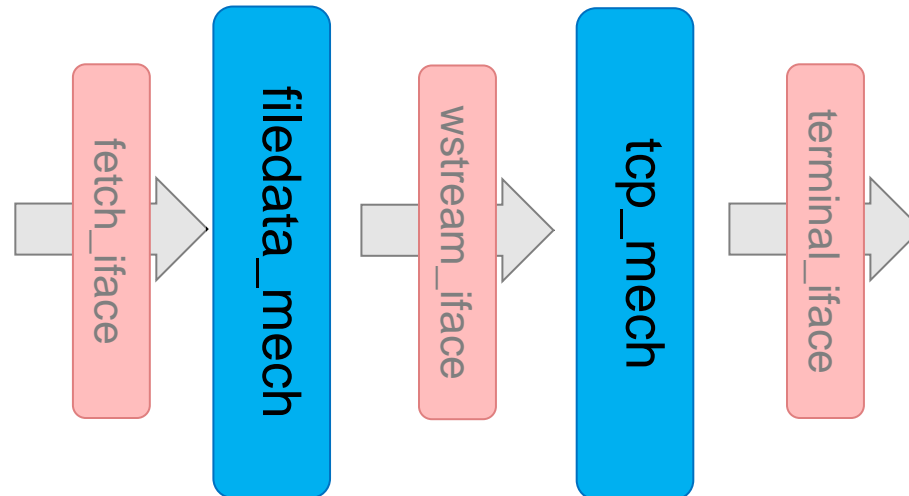


- What actually gets sent?



OOB Pipeline

- What actually gets sent?





OOB Pipeline

- Interfaces automatically negotiated
- Object-oriented C?
- Other languages?



Present/Future

- Still not “done” yet
- Volservers, other services
- DSOs, scripts



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Questions?