

CS 6480: Class discussion summary

HA 2.b

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Discussion summary

- *Summary:*
 - Nothing but controller of OpenFlow
 - OS analogy is limited. OS is generalized for all kinds of programs. NOX targets apps specific for network management.
 - Though better controllers are available now, NOX was the first such concept suggested.
- *Strengths:*
 - This is the first paper which suggested sophisticated controller. So in spite of some loopholes, it is first such idea of the kind.
- *Weakness:*
 - No performance measures given. As system is running, they could have given performance measures.
 - level of abstraction may not be sufficient.
- *Connection with other work:* A brief mention of Ethan[1].
- *Future work:*
 - When implemented at large scale such as internet, Controller can not view each and every undelivered packet. System should be intelligent enough to handle such scenarios

References

- [1] Martin Casado, Michael J. Freedman, Justin Pettit, Jianying Luo, Nick McKeown, Scott Shenker. "Ethane: Taking Control of the Enterprise"