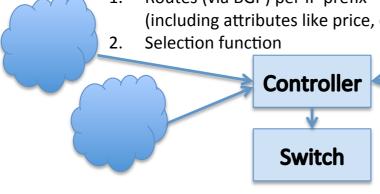
A Preliminary SDX: One Switch, One Controller



Routes (via BGP) per IP prefix (including attributes like price, etc.)



Outputs

- FIB entries in switch: One or more entries per AS that satisfy the selection for that AS
- Step 1: Controller at exchange receives
 - BGP routes from all ASes at the exchange
 - Auxiliary information
 - Pricing
 - Alerts for prefixes that may be subject to hijack (and alleged perpetrators)
- Step 2: Participant at exchange runs a function that executes at the controller to select route