Policy-based Platform Awareness (PPA)
Progress Update

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PPA Recap

- Flexible (imperative and declarative) infrastructure policy in the open source
  - Focus on OpenStack Nova scheduler

- Extend Intel EPA to beyond compute
  - Network, Storage awareness etc.

- Works with all Orchestrators
  - Open Source and Commercial

- Policy-driven, Platform-aware Nova Scheduler presentation at OpenStack Austin summit
  - http://www.slideshare.net/ramkri123/policydriven-platformaware-nova-scheduler

PPA Progress

- Align with OpenStack Nova community
  - Initial focus on standardizing capabilities across different HW/SW components
  - Current way of exposing capabilities is vendor specific using "capability tags"

- First spec focused on networking capabilities across NICs and vSwitches
  - Lay foundation for a declarative policy approach of capability independent of HW/SW component - e.g. mirroring, service chaining, overlay etc.
  - Backward compatible with current imperative policy approach of associating a specific feature to a HW/SW component.
  - Spec details:
    - Link: https://review.openstack.org/#/c/341341/3/specs/newton/approved/standardize-network-capabilities.rst
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