

IETF 95

Introducing Policy-based Platform-aware Scheduling

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Introducing Policy-based Platform-aware Scheduling

- One of the key goals of NFVRG
 - Direct impact on open source projects OpenStack, OpenDaylight, OPNFV etc.
- Working with the NFVRG team and OpenStack community for last 4 months
 - Focus on the most popular topic – policy-based resource management
 - Output: Policy-driven, Platform-aware Nova Scheduler
 - Key Benefits:
 - Extensible framework for adding new constraints, e.g. HW acceleration for encryption
 - Improved usability for admins in terms of placement decision control, debug tools etc.
 - Single representation for monitoring and placement
 - Detailed Spec (under review): <https://review.openstack.org/#/c/297898/3/specs/newton/approved/policy-scheduler.rst>
 - Contributors: Dell, IBM Research, Intel, Orange, Styra
 - Upcoming detailed talk at the OpenStack Summit at Austin
- Orchestration Integration
 - YAML based template for easy integration with open source efforts such as OSM, Tacker, ECOMP, OPEN-O etc.