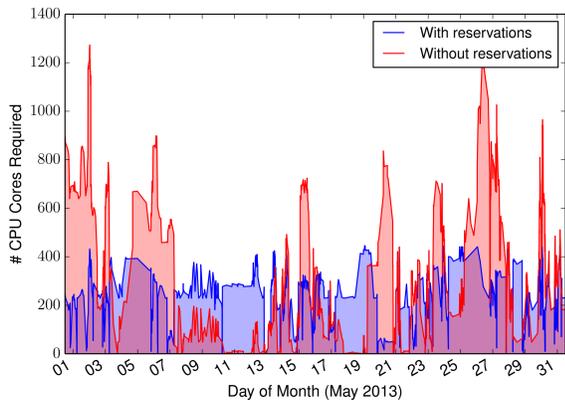


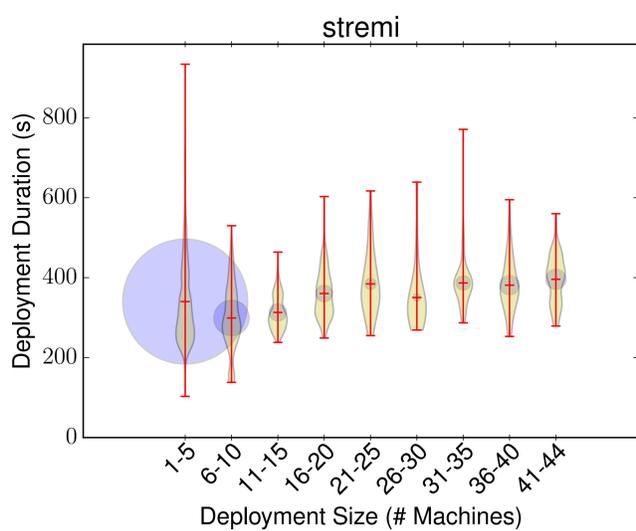
On the Impact of Advance Reservations for Energy-Aware Provisioning of Bare-Metal Cloud Resources

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Need for Bare Metal Reservation

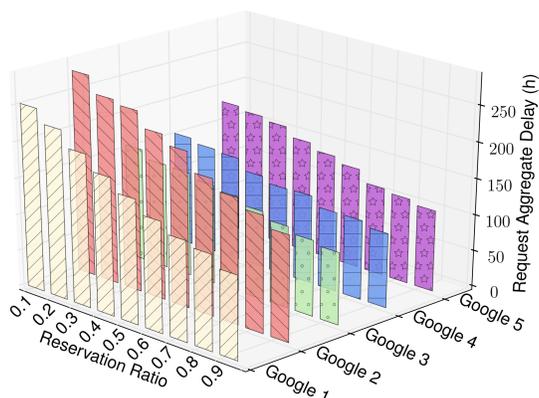


Impact of system deployment

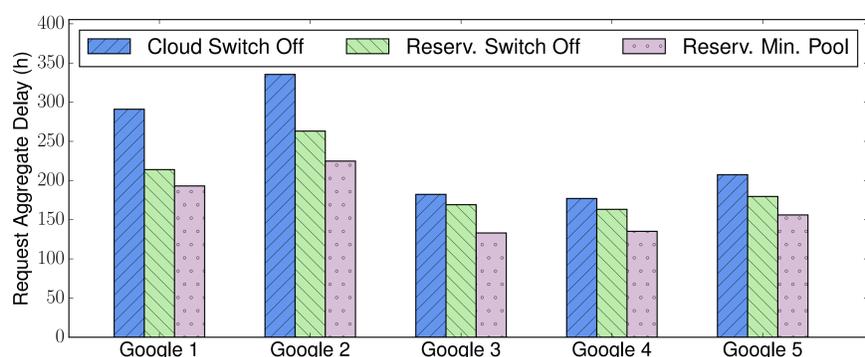
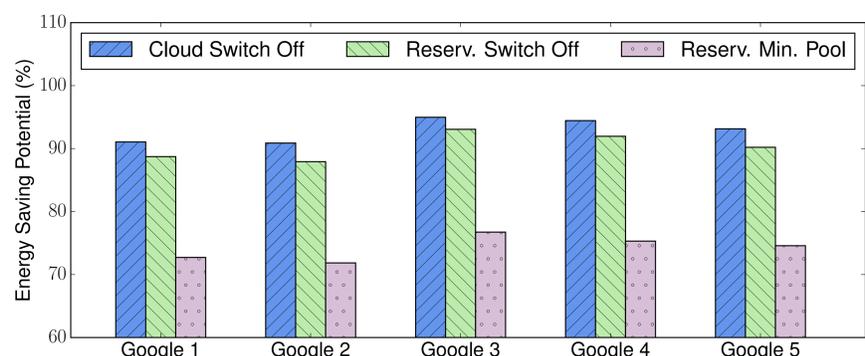
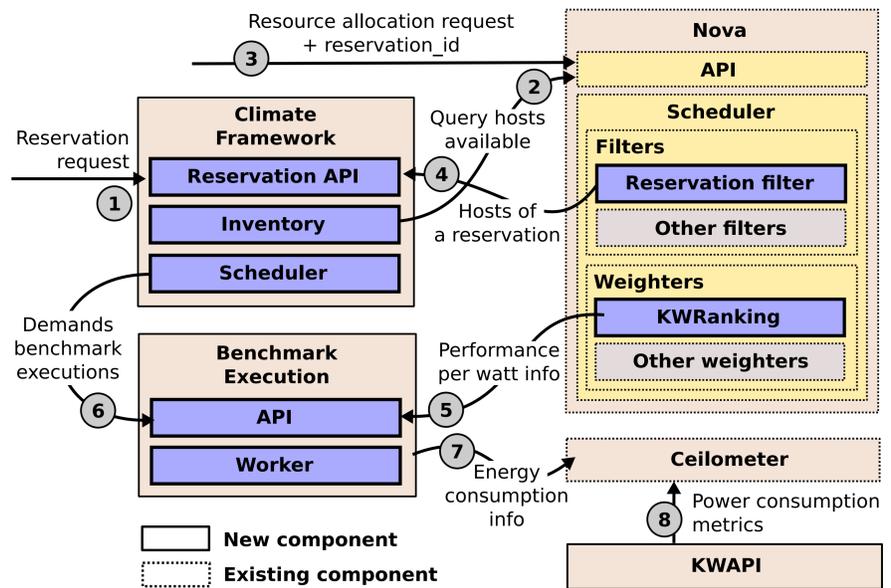


Reservation Strategies

- Power-Off Idle Resources
- Reservation-Based Power-Off
- Reservation With Minimum Capacity Estimation



Reservation System in Openstack: Climate/Blazar



Trade-off between reactivity and energy reduction