



6th USENIX Workshop on Hot Topics in Cloud Computing (HotCloud '14)

Sponsored by USENIX

June 17–18, 2014, Philadelphia, PA

HotCloud '14 will take place during USENIX Federated Conferences Week, June 17–20, 2014.

Important Dates

- Paper submissions due: *March 6, 2014, 9:00 p.m. EST*
- Notification to authors: *April 25, 2014*
- Final paper files due: *May 28, 2014*

Workshop Organizers

Program Co-Chairs

Michael A Kozuch, *Intel Labs*
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Overview

HotCloud brings together researchers and practitioners from academia and industry working on cloud computing technologies to share their perspectives, report on recent research results, and identify new/emerging “hot” trends in this important area. While cloud computing has gained traction over the past few years, many challenges remain in the design, implementation, and deployment of cloud computing.

The HotCloud program is arranged to create close interaction between researchers and industry practitioners so that the research can inform current deployments and deployment challenges can inform new research. HotCloud is open to examining all models of cloud computing, including the scalable management of in-house servers, remotely hosted infrastructure (IaaS), infrastructure augmented with tools and services that provide platform as a service (PaaS), and software as a service (SaaS).

We solicit original papers on a wide range of cloud computing topics for HotCloud. We particularly encourage the submission of position papers that describe novel research directions and work that is in its formative stages, as well as papers about practical experiences and lessons learned from production systems. Interesting issues show up at all levels of the software stack, but HotCloud’s emphasis is on combining mechanisms to build working clouds rather than on implementing new low-level mechanisms themselves. For example, papers on using virtual machines in new ways would be preferred over papers on improving core VM technology.

Topics

Topics of interest include but are not limited to the following:

- Improving elasticity and availability in cloud infrastructure and cloud services
- Cloud support for new hardware technologies (e.g. accelerators and GPGPUs)
- Multi-tenancy and related issues such as performance isolation
- Charging models and economics
- Power-efficient (“green”) computing for clouds
- Monitoring, troubleshooting, and failure recovery
- Debugging and performance analysis of cloud applications
- Cloud management and configuration
- Virtual appliance management and composition
- Storage architectures for cloud computing
- Novel networking approaches for cloud computing
- Programming models
- Security and privacy in clouds
- New applications for clouds

- Mobility
- Integrating enterprise applications with the cloud

Submission Instructions

Please submit full papers (no extended abstracts) in PDF format via the Web submission form linked from the Call for Papers Web site, www.usenix.org/hotcloud14/cfp. Do not email submissions.

- The complete submission must be no longer than five (5) pages **not including references**. It should be typeset in two-column format in 10-point type on 12-point (single-spaced) leading, with the text block being no more than 6.5" wide by 9" deep. **Submissions that violate any of these restrictions may not be reviewed.** The limits will be interpreted fairly strictly, and no extensions will be given for reformatting. If you wish, you may use the LaTeX template and style file available at www.usenix.org/templates-conference-papers.
- There are no formal restrictions on the use of color in graphs or charts, but please use them sparingly—not everybody has access to a color printer.
- The names of authors and their affiliations should be included on the first page of the submission.
- Simultaneous submission of the same work to multiple venues, submission of previously published work, or plagiarism constitutes dishonesty or fraud. USENIX, like other scientific and technical conferences and journals, prohibits these practices and may take action against authors who have committed them. See the USENIX Conference Submissions Policy at www.usenix.org/conferences/submissions-policy for details. Papers accompanied by nondisclosure agreement forms will not be considered. If you are uncertain whether your submission meets USENIX's guidelines, please contact the program co-chairs, hotcloud14chairs@usenix.org, or the USENIX office, submissions-policy@usenix.org.

Reviewing of full papers will be done by the program committee, potentially assisted by outside referees in limited cases. Accepted papers will be shepherded through an editorial review process by a member of the program committee.

All papers will be available online to registered attendees before the workshop. If your accepted paper should not be published prior to the event, please notify production@usenix.org. The papers will be available online to everyone beginning on June 17, 2014. Accepted submissions will be treated as confidential prior to publication on the USENIX HotCloud '14 Web site; rejected submissions will be permanently treated as confidential.

By submitting a paper, you agree that at least one of the authors will attend the workshop to present it. If the workshop registration will pose a hardship for the presenter of the accepted paper, please contact conference@usenix.org.

