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Systems and Virtualization Management

Standards and the Cloud

Third International DMTF
Academic Alliance Workshop, SVM 2009
Wuhan, China, September 22-23, 2009
Revised Selected Papers

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Preface

This volume contains the proceedings of the Third International DMTF Academic Alliance Workshop on Systems and Virtualization Management: Standards and the Cloud (SVM 2009) held in Wuhan, China, during September 22-23, 2009.

The SVM 2009 proceedings are intended for use by students of systems and virtualization management. The reader is presumed to have a basic knowledge of systems management technologies and standards at the level provided, for example, by the Common Information Model (CIM) standard for modeling management resources. The student of systems management will find here material that could be included in an advanced study program. These proceedings should furthermore allow students to acquire an appreciation of the breadth and variety of systems and virtualization management research.

The proceedings also illuminate related standards and research issues, answering questions such as: what are the implications of virtualization for distributed systems management, which advances in information models and protocols aid in managing virtualization, what new problems will we incur when managing virtualized systems and services, and how might management itself benefit from virtualization? Topics related to managing distributed systems, virtualization of distributed resources/services and work in management standardization are also highlighted.

There were 28 regular paper submissions. These went through an active review process, with each submission reviewed by at least three members of the Program Committee. We also sought external reviews from experts in certain areas. All these inputs were used by the Program Committee in selecting a final program with 12 regular papers.

We gratefully acknowledge the support of Huazhong University of Science and Technology (HUST), headed by Hai Jin, through the provision of facilities and other resources, and our sponsor, the Distributed Management Task Force (DMTF).

Many individuals were very generous with their time and expertise. We thank the Program Committee and the external reviewers for their efforts in the assessment and evaluation needed to put together the technical program. We thank Hai Jin for his support in planning the logistics and his advice on organizing the conference.

We would especially like to thank the volunteers from the Huazhong University Local Committee for their assistance in running the workshop. We thank the system developers for creating and supporting the invaluable EasyChair conference management system. Finally, we thank Springer for providing complimentary copies of the proceedings of SVM 2009.

April 2010

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Organization

The SVM 2009 workshop was organized by the DMTF Academic Alliance in cooperation with Huazhong University of Science and Technology (HUST) and took place in Wuhan, China.

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