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PoliCloud: experiences and possible applications



14.30 - 14.45 Introduction: history and evolution of PoliCloud

14.45 - 15.05 Current architecture of PoliCloud, usage rules and demo

15.05 - 15.35 The point of view of the Mathematics department

15.35 - 16.05 The point of view of the Design department

16.05 - 17.05 Experiences and new proposals from DEIB.

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Vittorio Zaccaria

Paolo Cremonesi and colleagues

Piero Fraternali and colleagues

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17.05 - 17.30 Discussion



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Introduction
(visit our website <http://policloud.polimi.it>)



- Develop an environment to research and experiment in the following contexts
 - Cloud
 - Integrated use of Cloud Computing and IoT
 - Big data



- Offer a Cloud platform to all our researchers
 - Possibly, in the future: integration with some IoT platform
- Constitution of interdisciplinary research groups
- Consolidation of the interaction with external companies
- Increase the participation to European and National calls for projects that require interdisciplinary competences
- Support to the development of PhD and master students

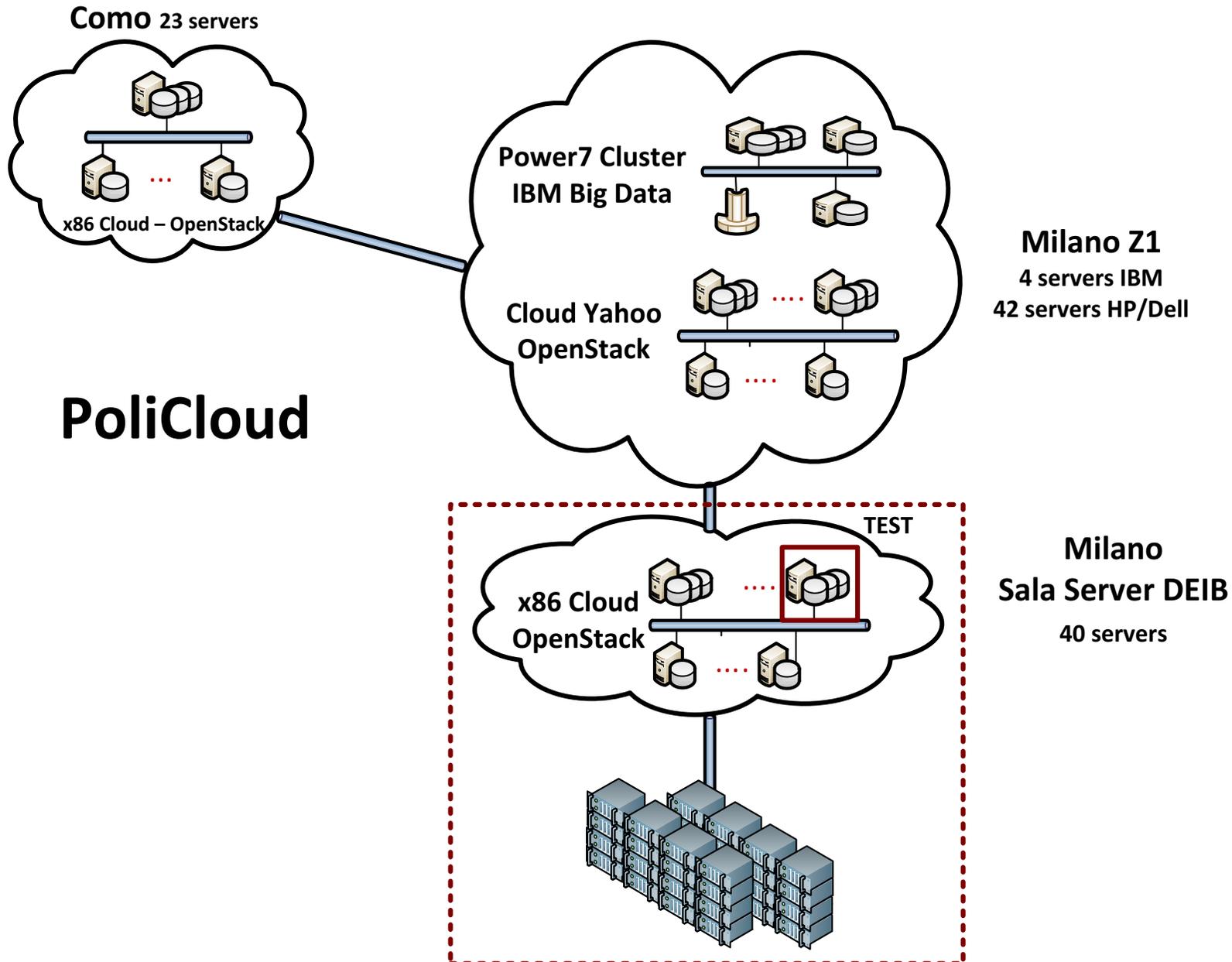


Starting point

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- Donation of servers by Yahoo
- Funding by Politecnico 142.000 Euro
- Cofunding by research groups from the INF part of DEIB





PoliCloud



- Virtual Machines
- Possibility to develop experiments that exploit and stress many resources
- Possibility to use some of the hardware offered by the laboratory to experiment, e.g., with virtualization mechanisms
- Skills and support for
 - Design of complex systems
 - Approaches and techniques for big data
 - Resource sizing