Cloud Computing Standards

W3C Advisory Committee Meeting, 21-23 March 2010, Cambridge MA
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7 Slides; 5 Minutes

- Who I am
- Why I'm here
- What I've seen
- What I think

Who I Am

- Part of the BioTeam

- Bioinformatics → Research IT & HPC Nerd

- Bridging the gap between life science informatics and high performance research IT

Why I'm Here

- Doing science on "the cloud" since 2007

- Deep experience with Amazon AWS

- Representing the IAAS user/consumer faction

- Absolutely mercenary in outlook & operation:

  - AWS today is best IAAS provider for my needs

  - If that changes, will switch without hesitation

What I've Seen

- Lack of specifications and/or standards has had *zero* impact on our work

- Core problems are technical & political

- Core motivation is economics & agility

- Current specs work fine for our needs:

  - REST, SOAP & HTTP/HTML

What I think

- Cloud providers with < 500K cores under management simply don't interest me

- IAAS will be dominated by very few players

- Amazon is years ahead of the competition

- If I design my apps right I don't even care about the cloud provider

  - Yes, this even includes VM portability – a non-issue with good configuration management systems

End; Thanks!
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