

Bringing the Cloud to the Classroom Using the Microsoft Imagine Cup

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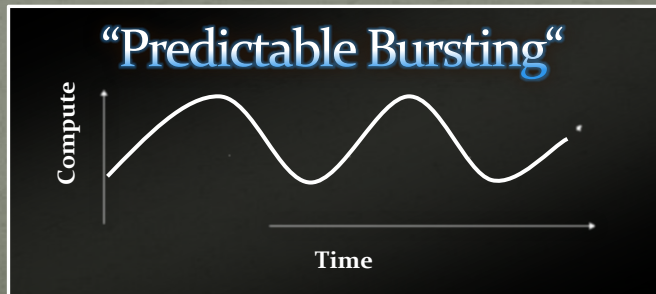
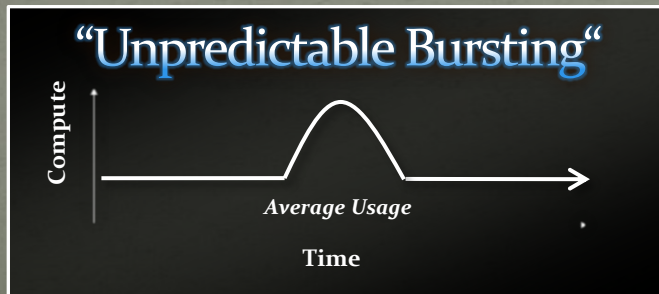
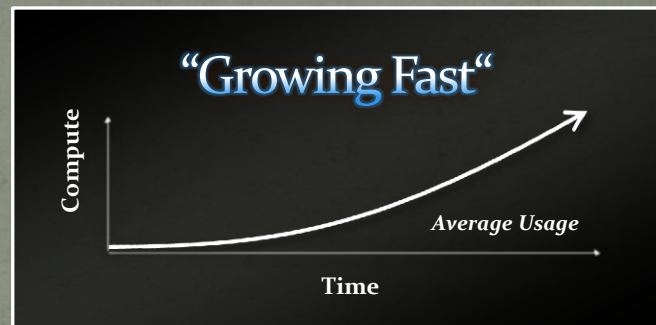
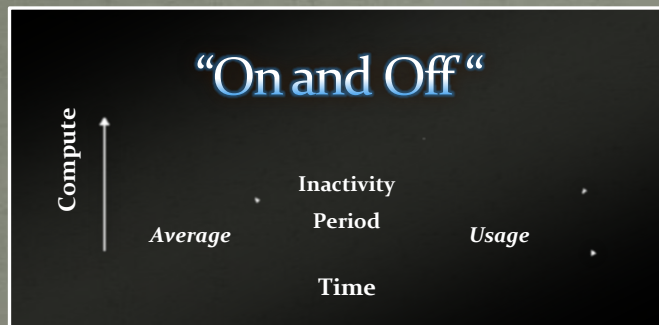
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Cloud in the Classroom

- Just now being introduced into curriculum.
- In MIS, the approach is generally the same.
- We describe the different types of cloud computing.
 - SaaS
 - PaaS
 - IaaS

Cloud in the Classroom

- We also discuss when it makes sense to utilize the cloud.



So, What's Wrong With What We're Doing?

- Merely presenting the cloud in this manner is limiting.
- We need for students to think of innovative uses for cloud computing outside of the basic use cases.
- In order for this to happen, we need to take a different approach to teaching cloud computing to students.

The Imagine Cup

- A framework for bringing cloud into the classroom.
- “The World’s Premier Technology Competition.”
- Solve the worlds toughest problems with innovative technological solutions.
- Software Design

Software Design

- Two submission periods.
- Two rounds per period.
 - Round 1 Requirements
 - Initial project plan.
 - Round 2 Requirements
 - Final project plan.
 - Alpha prototype of solution.
 - Video demo of solution.

Benefits of the Approach

- The format of the competition makes it easy to incorporate into a course.
- Students get practice providing innovative solutions to real-world problems.
- Students get feedback on their solutions from industry experts.

Challenges with the Approach

- Can be very time intensive for students.
- May require faculty to “gear-up” on unfamiliar technologies.

Example Solutions that Utilized the Cloud

- TTHV
- H-2-O
- MedRX



Lessons Learned (So Far)

- Students are able to think of innovative uses for the cloud.
- However, they primarily use it for data storage and accessibility and not for processing.
- Students take their solutions seriously.

Questions?

Thank You