Virtualization

Program

Interface A

Hardware/software system A

(a)
Physical interface

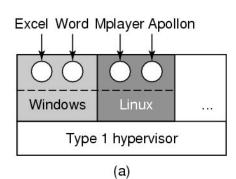
Interface A
Implementation of mimicking A on B
Interface B
Hardware/software system B

(b)

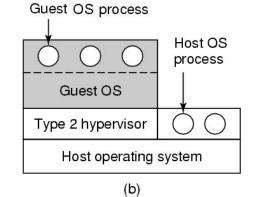
Virtualized interface

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Hypervisors



Type 1 (bare metal)



Type 2 (hosted)

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Virtualization Case Studies





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Data Centers





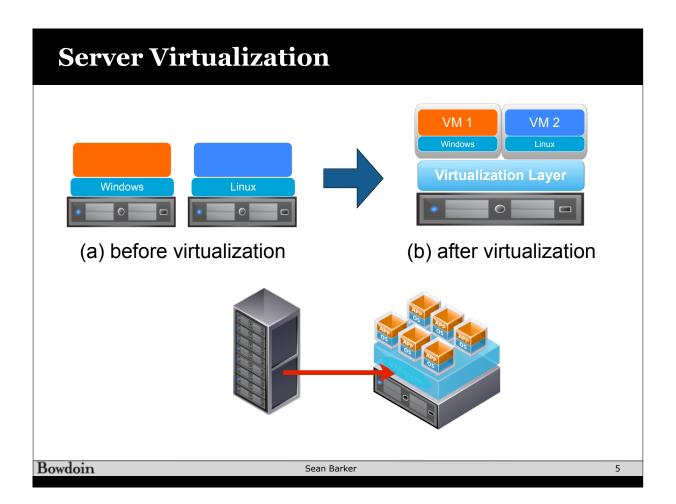


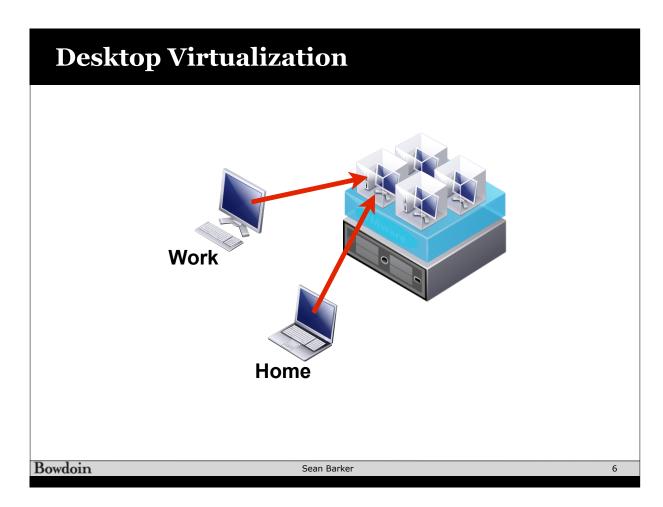






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Types of Cloud Services

Software as a Service (SaaS)







Platform as a Service (PaaS)



Infrastructure as a Service (laaS)





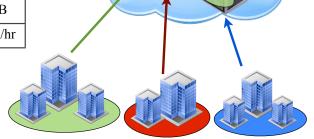
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Amazon Elastic Compute Cloud (EC2)



Storage \$0.10/GB per month

Bandwidth \$0.10 per GB



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