Virtual Desktops

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Greg Parks

For CTSC

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Agenda

- VDI Review
- Licensing
- RDS For Students
- Staff VDI

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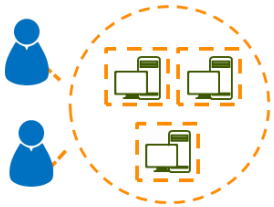
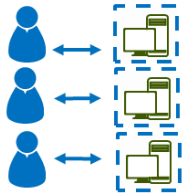
VDI REVIEW

3 Types of VDI Technology

- Sessions Virtualization
- Pooled Desktops
- Personal Desktops

Technology Comparison

	Sessions	Pooled VMs	Personal VMs
Good ★ / Better ★★ / Best ★★★			
Personalization	★★	★★	★★★
App compatibility	★★	★★★	★★★
Ease of management	★★★	★★	★
Cost effectiveness	★★★	★★	★

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LICENSING

Students

- License external connector per server approximately $1300 per server
- Student Desktop Experience approximately $25 per student
  - SDE provides the same CALs as staff
  - Provides students with Office while a student and current version after graduation

Staff

- Covered via current Campus Agreement with Microsoft

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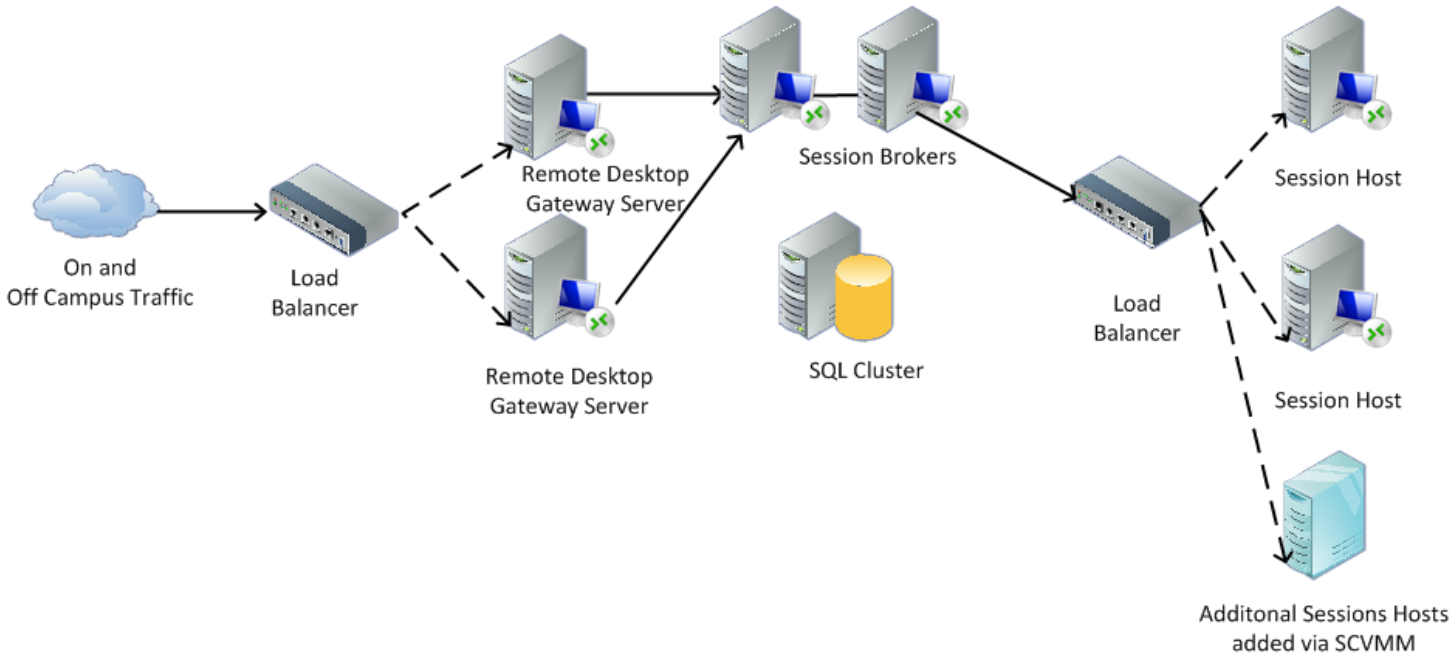
RDS FOR STUDENTS

Pilot

- For AHS students
- Provide SAS for course use



Customer Name:	University of Waterloo	**Revision History** A. Initial – 06/28/2013	**Drawn By** / **Date** Greg Parks / 6/24/2013 **Designed By** / **Date** Greg Parks / 6/24/2013	UNIVERSITY OF WATERLOO
Solution Name:	Remote Desktop Service Pilot Deployment	**File Name** RDS Pilot.vsd		

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Focus on Automation

- All servers are Virtual Machines
- Automated scale out and scale down via Microsoft System Center Virtual Machine Manager

Future Possibilities

- Expand beyond single faculty and single application
- Focus on applications that are expensive or hard to install depending on faculty
- Applications such as AutoCAD are possible however user density much less then standard “knowledge worker” requirements

Future Possibilities

- Delegate administration of RDS environment to faculties
- IST to maintain tools and infrastructure while faculties maintain software

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STAFF VDI

Staff VDI

- Two pilot uses cases:
  - PCI compliance
  - Support for older software versions
    - Adobe Acrobat
    - Sun Java

Staff VDI Future Uses

- Part of disaster/pandemic planning
- Areas where data loss or theft is a concern
- Users that need “always on” experience