

A series of approximately 15 grey circles of varying sizes are scattered across the slide, some overlapping the text.

Desktop and application virtualization -

Enabling the next generation of learning
opportunities



Mark Vulling – Corporate Sales Manager, Citrix Systems

Lloyd Thomas – Virtualization Team Leader, Victoria University

Agenda

- University sector desktop and application challenges
- Citrix Vision for education
- Virtual computing potential
- Victoria University leveraging power of virtualization

Education sector challenges

- Fleets of lab PC's
 - Providing year/subject specific "images"
 - Teacher demands for new applications – impact on "SOE"
 - Securing from students "inquisitiveness"
 - Real estate utilisation
 - Traditional deployment/management challenges
- Access to specific applications vs. "desktop"
- Increasing demand to support BYO and choice
- Student and staff data management – USB keys



Students and Staff Have High Expectations

- Demand personal settings and familiar look-and-feel
- Accustomed to local PC performance
- "My home PC is better than @ school!"
- Want to use different devices – iPad/Mac
- Want to access from "anywhere"
 - Café
 - Home
 - On-campus





Consumerisation will force more IT change over the next 10 years than any other trend.

Going virtual means ultimate flexibility for users



- Use any device anywhere
- Self-service choice of apps
- Switch between work and personal environment on the same device

Our Vision for Education

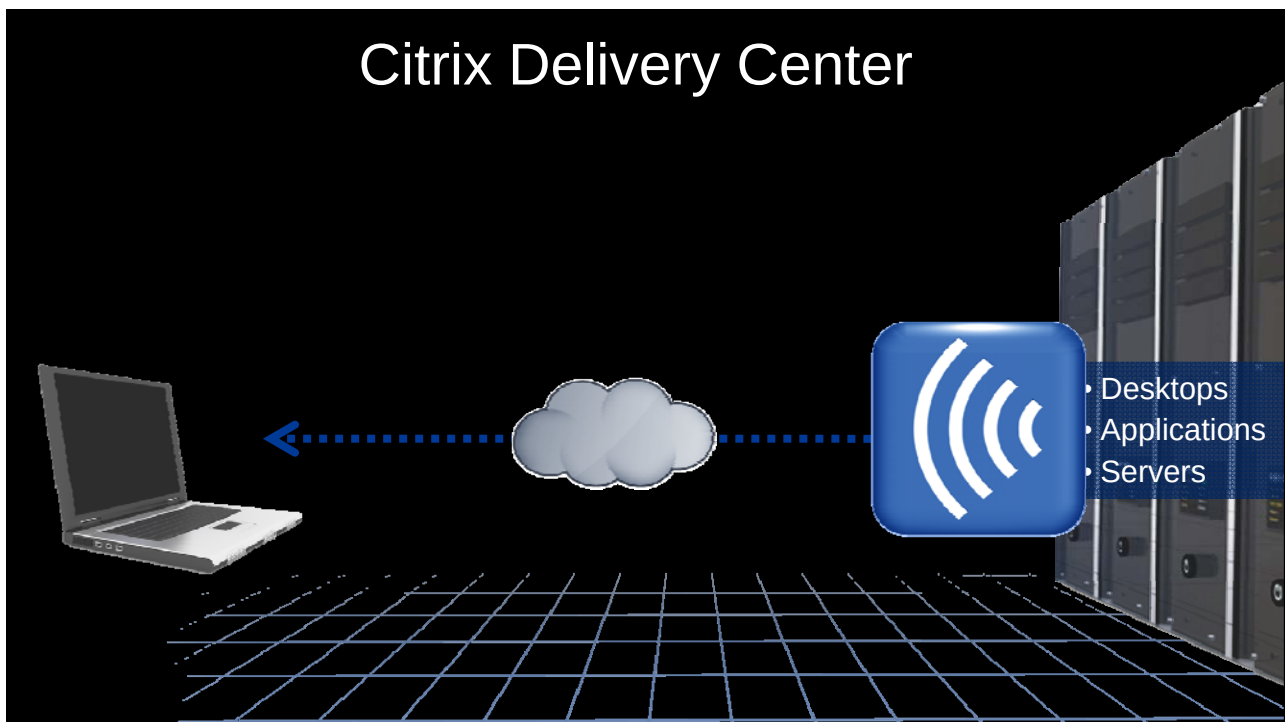
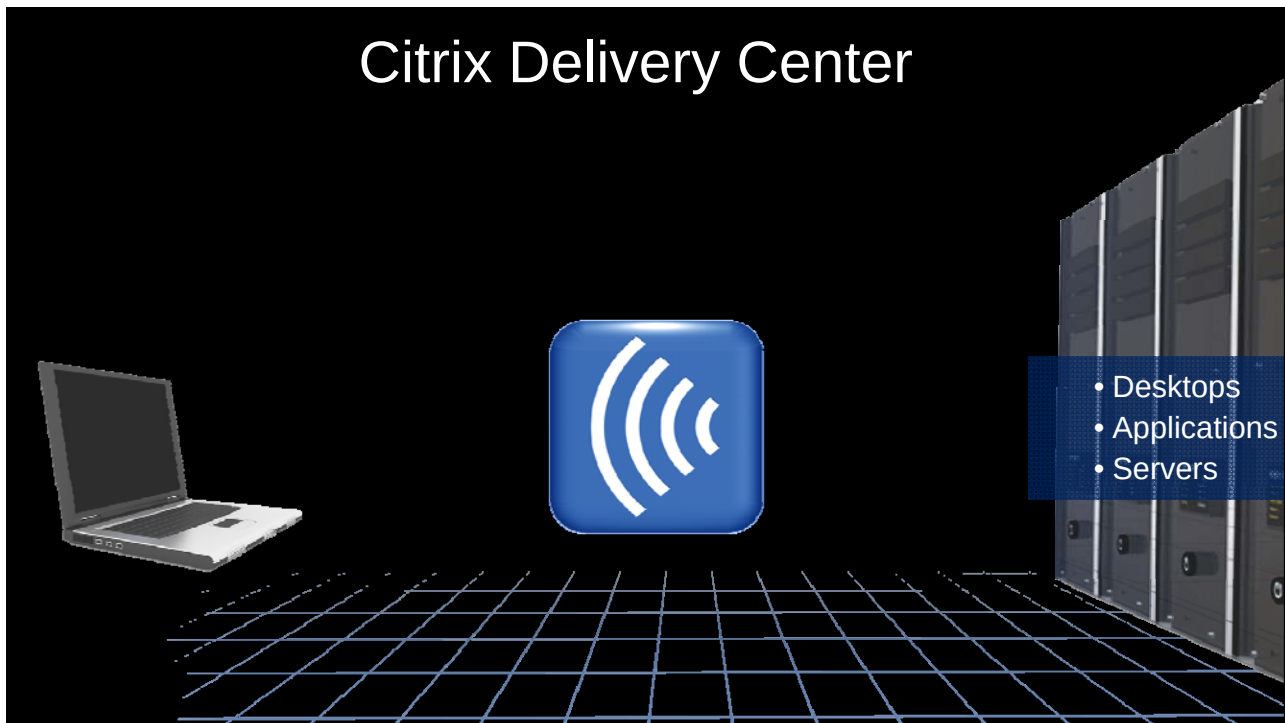


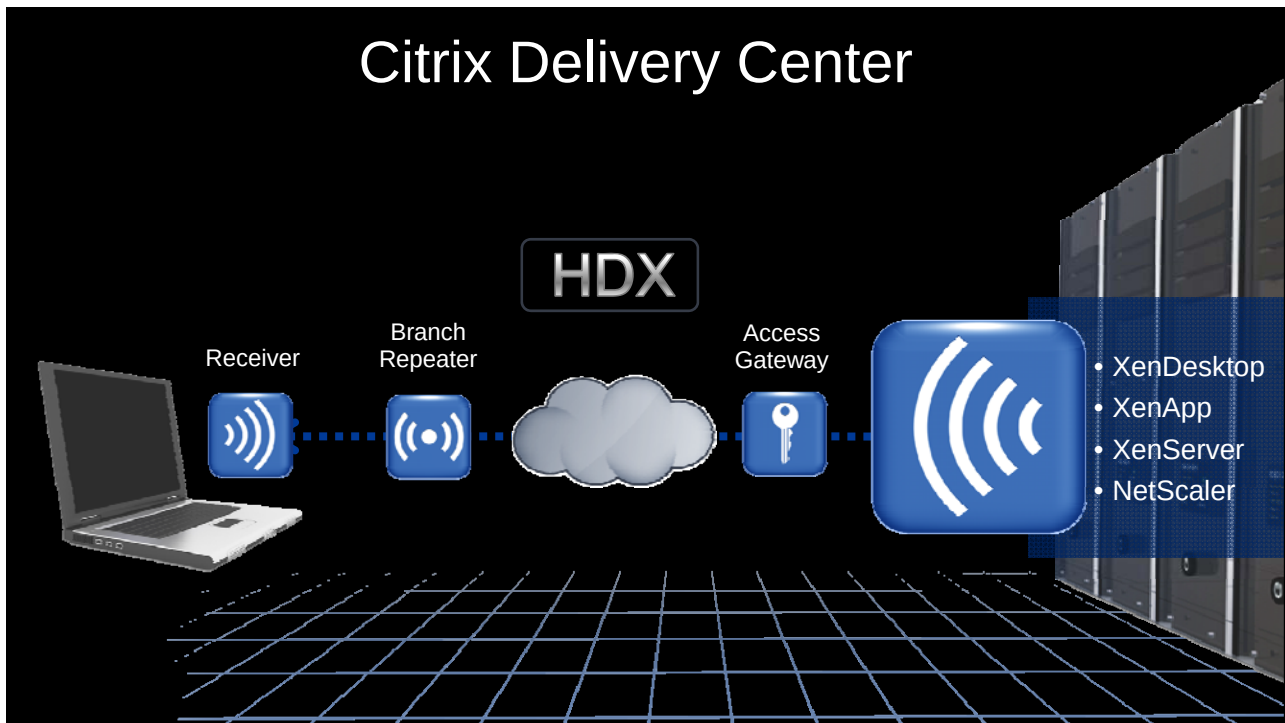
A world where **anyone** can work and learn from **anywhere**

Citrix Delivery Centre

- Objective is to simplify IT environment
- Deliver applications and desktops as an on-demand service
- Centralise and virtualise workloads to better secure and manage
- Optimise delivery to any device on any network

Outcome is to accelerate service delivery





So how does
Citrix Delivery Centre
address desktop challenges?

Not all users are the same ...

Mobile Workers



teaching staff
executive staff
student notebooks

Guest Workers



computer labs
BYO devices

Office Workers



research staff
teaching staff
executive staff

Remote Workers



home access
distance learning

Task Workers



administration staff

How do we meet these diverse needs?

- Put in place an architecture that allows for greatest flexibility
 - No more point solutions
- Understand desktop virtualization (VDI) is A solution, not THE solution
- Understanding user requirements is critical to selecting the appropriate tool or tools
- Phased approach more successful than “rip and replace”

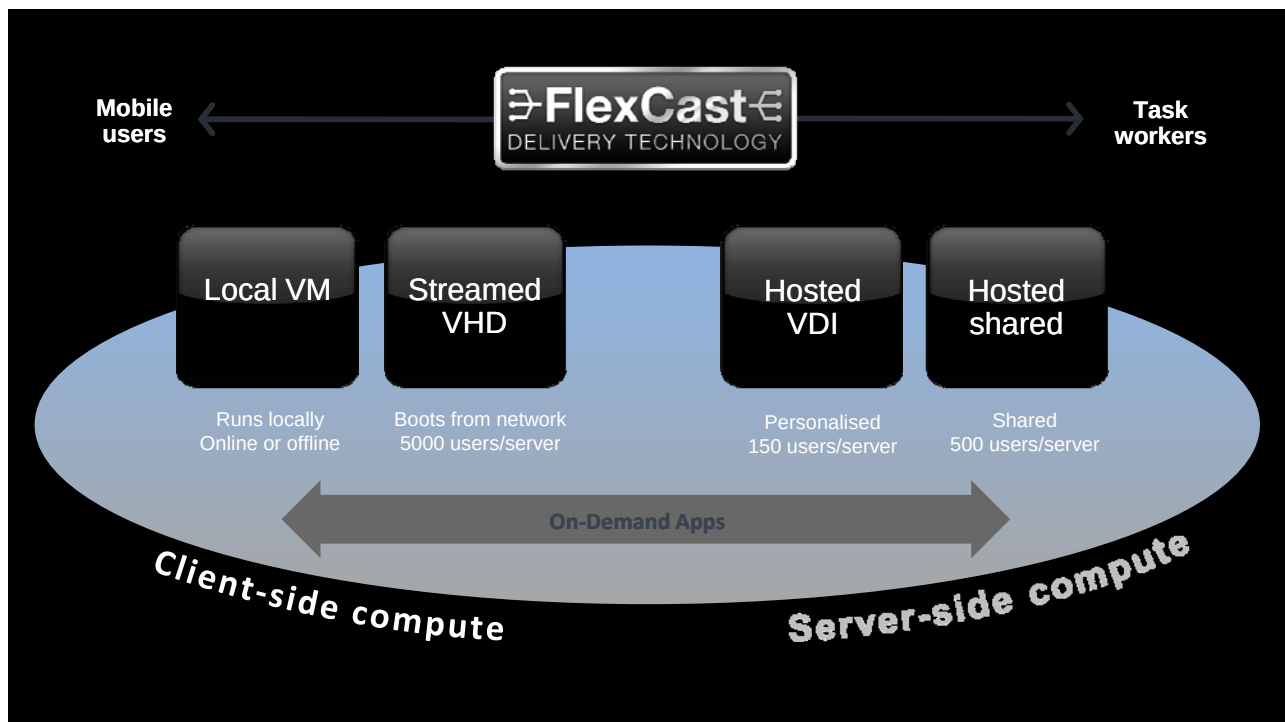
XenDesktop – more than VDI

Any user
any device



Any type of
desktop or
application

One centrally managed solution



Self Service Applications from an Enterprise App Store



- 24x7 self service
- One-click subscription
- Zero-touch updates
- Consolidated view of all applications including off-premise (SAAS) platforms
- One Login

Victoria University

Lloyd Thomas

Virtualisation Team Leader





Background - Challenges

- Security & backup
- Application migration
- Local PC updates & installations
- Heavy multimedia requirements
- Upgrade of current Citrix platform
- Proof of concept phase



Solution

- Collaboration (VU, Melbourne Uni & Western Heath)
- An end-to-end offering
- Build upon previous server virtualization experience
- Citrix chosen as more advanced in application and desktop space, identified as 'leader in this space'



Deployment

- XenDesktop, XenApp & Access Gateway
- 125 seat deployment
- Western Health, Libraries, Student Machines, Student Service Centres, ITS Staff



Organisation Benefits

Improved
application
management

Increased PC
lifecycle

Application access
from anywhere

Better PC lab
utilisation

Ease of
collaboration

Aligns with broader
strategic goals



The Future

- Strategy for the next 3 years is to rollout to approx. 1/3 of the university
- Upgrade XenDesktop 5 & XenApp 6
- Profile Virtualisation & Improved Hardware architecture
- Flexible working to more campuses, so staff & students can work anywhere, anytime



Summary

XenDesktop offer for Universities

- Ultimate in flexible licensing options
 - Concurrent user model
 - Per user/device model
 - CAUDIT campus wide annual license offer
- References – talk to others who have tested all options
- Proof of concept and/or pilot assistance

Citrix value to Universities

- An open scalable architecture that provides flexibility and choice
- Better PC lab utilisation and flexibility to meet any demand
- Deliver desktops, applications and data to any device anywhere
- Allowing access to learning resources to all staff and students
- Enabling Universities to focus on information delivery, not device management



Live demonstrations of Citrix on stand 17G