



Cloud Computing

Steven Lau
Academic Solutions Specialist
Microsoft Hong Kong Limited

Consumer Cloud Services



14 billion ads per month



23 million subscribers



2 billion unique calls per year



Over 3 billion WW queries each month



Over 600 million unique users



Over 6 million songs in the catalog



Petabytes of data every month to millions of PCs



500 million active Windows Live IDs



370 million active accounts



10 billion messages processed daily

Commercial Cloud Services



MICROSOFT CLOUD & PRIVATE CLOUD SERVICES

PRODUCTIVITY & COMMUNICATIONS	LABORATION	BUSINESS AP	DESKTOP MGMT	IDENTITY	DATABASE	PLATFORM

ON-PREMISES





Introduction to Public Cloud

Live@edu - Collaborative learning in the cloud

•Microsoft® Live@edu offers a complimentary collaboration platform with contacts, calendars, email and instant messaging – plus online workspaces



10GB email inbox,
20MB attachments



Contacts



Calendar



Instant
messaging



Office
Web Apps



Online
workspaces



Windows Live™
applications



25GB password
- protected storage
on SkyDrive™

Microsoft Live@edu

IT Managed

Student Managed

10GB
Exchange
experience



Microsoft®
Outlook® Live



Office Web App
with SkyDrive

 **Windows Live™**



25GB online
storage with
SkyDrive



Windows Live
Messenger


Windows Live™ ID



Cloud Services in Education

MEET STUDENT AND EDUCATOR NEEDS

"We can close the technology gap between rich and poor districts and level the playing field for students regardless of where they live. Because they are 'in the cloud,' Kentucky schools will always stay up-to-date with the latest innovations."

Dr. Terry Holliday, Kentucky Commissioner of Education

LEARNING FROM ANYWHERE

Some of our colleges didn't even offer e-mail services. Now they have a suite of sophisticated collaboration services that will go a long way to support our mandate for preparing students for the working world."

**Bill Gray, CIO
Technical College System of Georgia**

LOWER COSTS

"Budgets are getting smaller,. Requirements are getting larger. Data is getting even larger still." Microsoft "helps us meet those demands without having to purchase and manage the infrastructure that we would need if we created our own solution."

Chris Spice, Assistant Director of Information Services, University of Ulster

ENTERPRISE CLASS SECURITY, RELIABILITY, AND PRIVACY

Microsoft "offers the administrative control and privacy that we needed for our student e-mail service, helping us conform to the Children's Internet Protection Act."

**Fred Baker, Technology Director
Coos Bay School District, California**



Announcing Office 365 for education

BRINGING TOGETHER CLOUD VERSIONS OF OUR MOST TRUSTED COMMUNICATIONS AND COLLABORATION PRODUCTS WITH THE LATEST VERSION OF OUR DESKTOP SUITE FOR EDUCATIONAL INSTITUTIONS OF ALL SIZES.

 Microsoft®
Office Professional Plus

 Microsoft®
Exchange Online

 Microsoft®
SharePoint® Online

 Microsoft®
Lync™ Online

 Microsoft®
Office 365



Microsoft Office 365 for education Value

MEETING STUDENT AND EDUCATOR NEEDS

Learning together, smarter

MEET STUDENT AND EDUCATOR NEEDS

Learning Together, Smarter

- Works seamlessly with Microsoft Office programs * that users already count on and teaches students new software skills that will help them prepare for the future
- Provide sites for students and educators to work together in real time on assignments, group projects, and research – both inside and outside your institution
- Communicate seamlessly from email to instant messaging to online classrooms, including audio, video and screen sharing
- Helps students and educators become more productive with a 25GB mailbox that unifies email and voicemail (Unified Messaging)
- Makes scheduling easier by showing who and what resources are available, such as projectors or meeting rooms
- Allow users to see whether other students or educators are online

Online 25GB mailbox with pc-to-pc audio and

Recording Capability update

The screenshot displays the Microsoft Office 365 interface. On the left is the Outlook inbox with a selected email titled "New lesson plans are available". The main pane shows the email content, including a "Voice Mail Preview" section with a play button and a transcript: "Hi David this is Shelley. I wanted to ask you about the new class schedule and when it will be available. Call me back when you get a chance". Below the transcript is a "Voice Mail Preview" section with a play button and a transcript: "Hi David this is Shelley. I wanted to ask you about the new class schedule and when it will be available. Call me back when you get a chance". On the right, a calendar for October 2010 is visible, showing appointments for "Faculty Offsite Planning" and "Exam Board Meeting".

Voicemail in audio and text format

Microsoft Office 365 for

MEETING STUDENT AND EDUCATOR NEEDS

Learning together, smarter

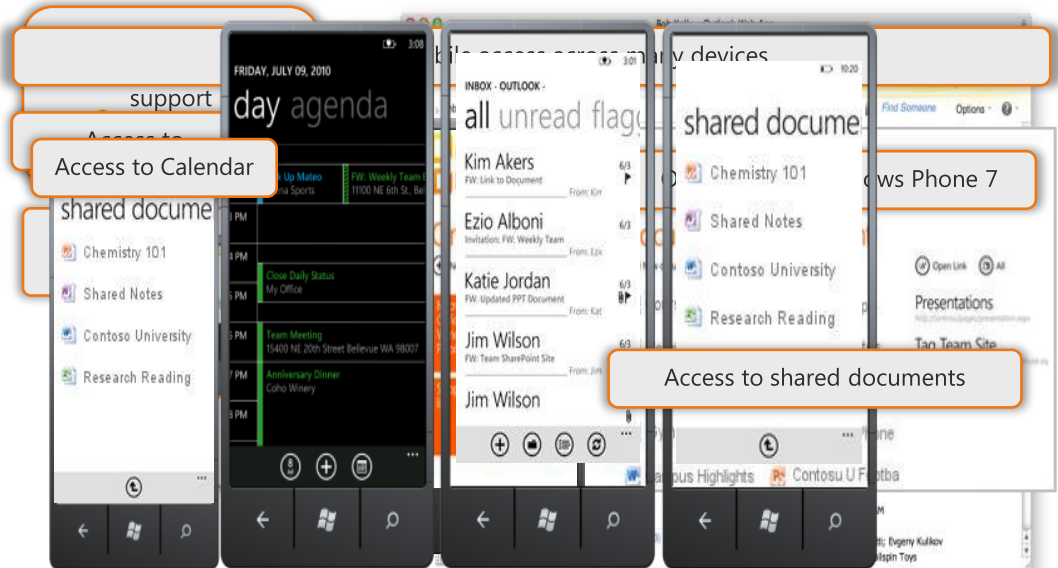
LEARNING FROM ANYWHERE

Solve problems from more places

LEARNING FROM ANYWHERE

Solve problems with others from more places

- Provide users anywhere-access to their email, assignments and calendar on nearly any device*
- Works with devices that students and educators use most -- including PC, Mac, Windows Phone, iPhone, Android and BlackBerry**
- Rich experience with Outlook Web App on a broad set of browsers or offline access via Office desktop applications on PCs and Macs
- View and edit assignments with Office Web Apps across a broad range of browsers (Internet Explorer, Firefox, Safari, and Chrome)
- Connect securely* over Internet with HTTPS without the need for VPN



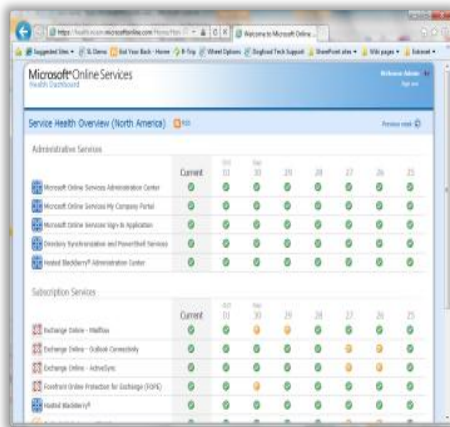
Microsoft Office 365 for education Value

LOWER COSTS

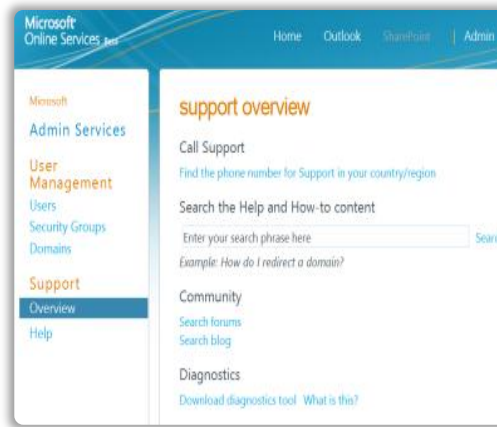
IT control and efficiency

- Reduce the time and effort spent managing email and collaboration servers, such as patch upgrades and security updates, while still keeping you in control
- 24/7, IT professional phone support or via electronic ticketing
- Hybrid deployment scenarios allow on-premises and online users to work together seamlessly
- Simplified management with a single administration center with role based access
- Ease of interoperability with existing systems, such as Sunguard and Blackboard, through extensible platform

Service health portal



Simplified Management



LOWER COSTS

IT control and efficiency

ENTERPRISE CLASS
SECURITY,
RELIABILITY, AND
PRIVACY

Keeps you in control.

Microsoft Office 365 for education Value

ENTERPRISE CLASS SECURITY, RELIABILITY, AND PRIVACY

Keeps you in control

- Same 99.9% uptime commitment, backed by a SLA, as Office 365 for enterprises
- Safeguard your data with enterprise-grade reliability, disaster recovery capabilities, geo-redundant, replicated, data centers and a strict privacy policy
- Helps protect your email environment with premium anti-spam and antivirus protection provided by multiple virus scanning engines
- Helps customers comply with ISO 27001, SAS 70 Type I, FERPA, HIPAA, FISMA, EU Safe Harbor Seal
- Configure services to meet your institution's unique needs and give your users access to only the services they need

Geo redundant datacenters

99.9% uptime commitment



LOWER COSTS

Control and Efficiency

ENTERPRISE CLASS SECURITY, RELIABILITY, AND PRIVACY

Keeps you in control



Customers Are Embracing Cloud Productivity with Microsoft



Customer Examples: Deploying Microsoft cloud solutions

Purely Online

The Kentucky Department of Education opted for the cloud and implemented a Microsoft-based hosted messaging and collaboration solution. Teachers, staff and students can access information in the cloud virtually anytime, anywhere, through popular Web browsers and from any Internet-connected PC or mobile phone.



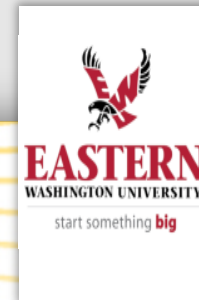
Hybrid

Middlesex University selected Microsoft-based cloud services for their 33,000 students and decided to continue using its Exchange Server-based system for faculty. With a Middlesex was able to expand to meet the growing volume of email and also offer students a variety of online tools for collaboration with a single communication platform based on Microsoft technologies.

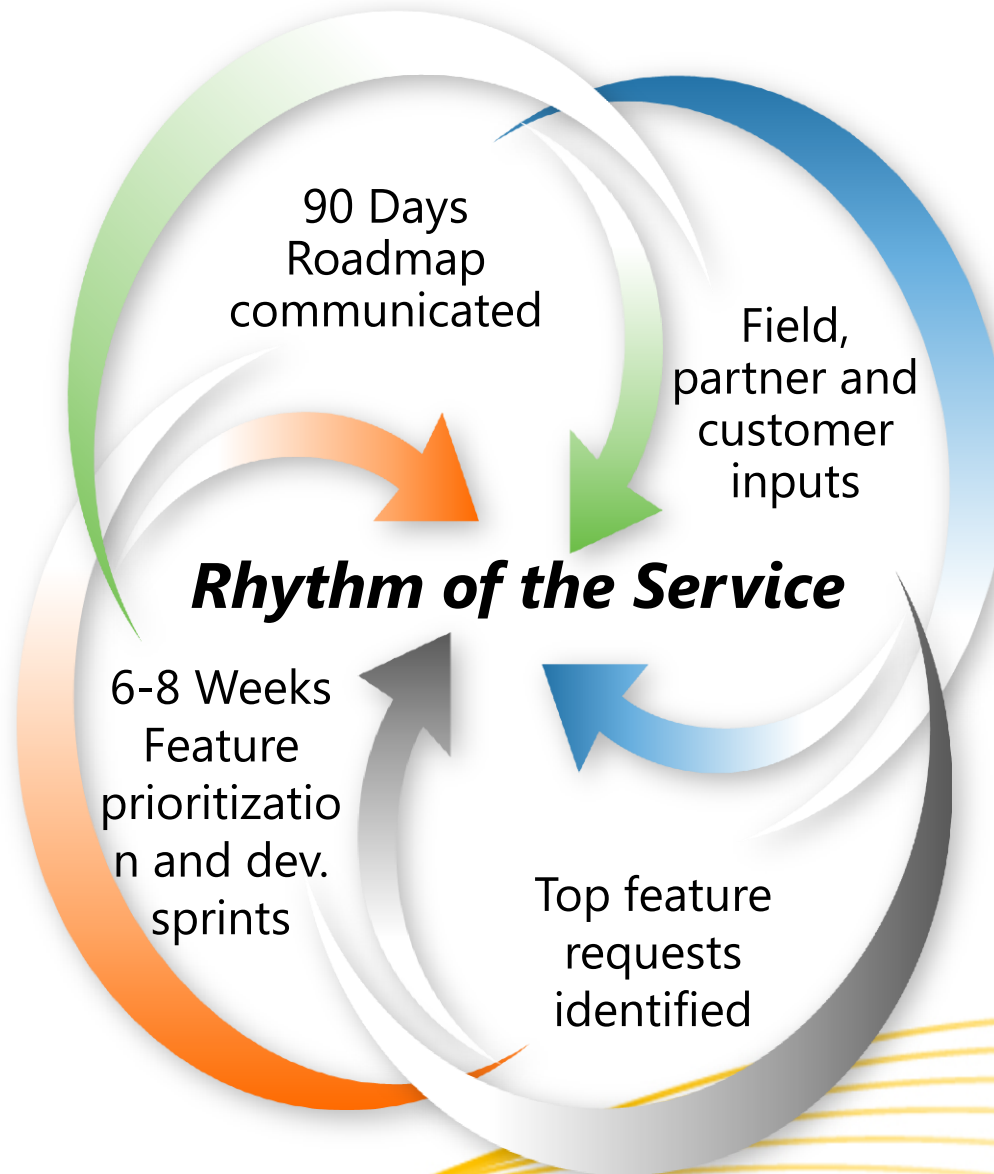


Scale Over Time

Eastern decided to offer Microsoft cloud-based messaging to their students in conjunction with their previous service. Over 2,200 students enrolled gradually over the first year, plus another 2,600 the following year after the previous service was discontinued. After experiencing the power of cloud and its benefits, Eastern is in the process of moving their alumni to the platform as well.



Continuous Investment



What's New in Office 365

Microsoft Exchange Online

- Voice mail with unified messaging
- Integrated personal archiving
- Retention policies and legal hold
- Exchange control panel
- Free/busy coexistence
- Cross premises management

Microsoft Lync Online

- IM & Presence across firewalls
- GAL/Skill search in SharePoint
- Online meeting with desktop sharing
- Activity feeds
- Contact photos
- Click to communicate from Office contact cards
- Windows Live federation

Microsoft SharePoint Online

- My Sites to manage and share documents
- Access documents offline
- Improved Team & Project Sites
- Document-level permissions to protect sensitive content
- Share documents securely with Extranet Sites
- Cross site collection search

Microsoft Office

- Office Pro Plus as a subscription
- Office Web Apps

Platform Capabilities

- New user interface
- Role based access
- Identity federation (eliminate sign-in client)
- Multi-factor authentication support
- Remove scale limitation

Office 365 for education Includes...

Microsoft Office Professional Plus

- The complete Office experience with services integration in Office 365
- Simplified user set-up to preconfigure services
- Always the latest version of the Office apps, including Office Web Apps
- Familiar Office user experience to access services

Microsoft SharePoint Online

- Store your important assignment, and share expertise using personal My Sites
- Share assignments and schedules to keep study groups in sync
- Work effortlessly with other educators or parents by creating sites to share information securely
- 10GB per tenant + 500 MB per user

Microsoft Exchange Online

- 25GB Mailbox
- Outlook and Outlook Web App
- Anti-Virus/Anti-Spam
- Shared Calendars, Contacts & Tasks
- Mobile email for most mobile devices including BlackBerry, iPhone, Nokia, Windows Phone
- Personal email archiving and compliance capabilities

Microsoft Lync Online

- Instant messaging and presence
- PC-to-PC audio and video calling
- Click-to-communicate from Outlook, SharePoint, and other Office Applications
- Online classroom with PC-audio, video conferencing and screen sharing
- Single click meeting creation and join from Outlook
- Calendar integration with Outlook and Exchange

CONTROL AND EFFICIENCY

Single user interface to purchase, administer and user with role-based access control | Single sign on with on-premises Active Directory |

99.9% SLA | 24x7 IT Pro Support | Built in geo-redundancy in regional datacenters

Cloud Development Platform



- Scalable compute and storage
- Automated service management
- Familiar tools, technologies, languages



- Relational storage for the cloud
- Consistent development model
- Automated database management



- Connect existing apps to the cloud
- Access control service
- Service bus capability



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