

Cloud computing

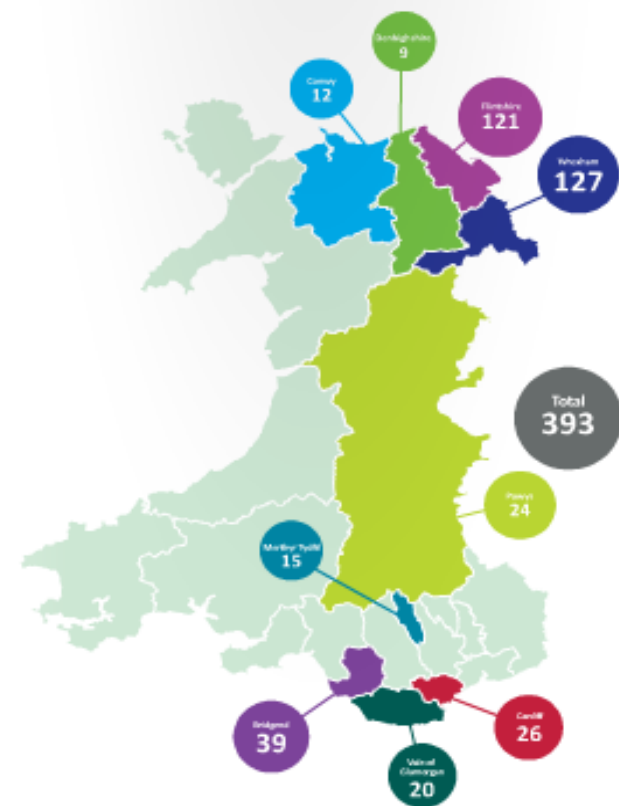
where angels breathe?

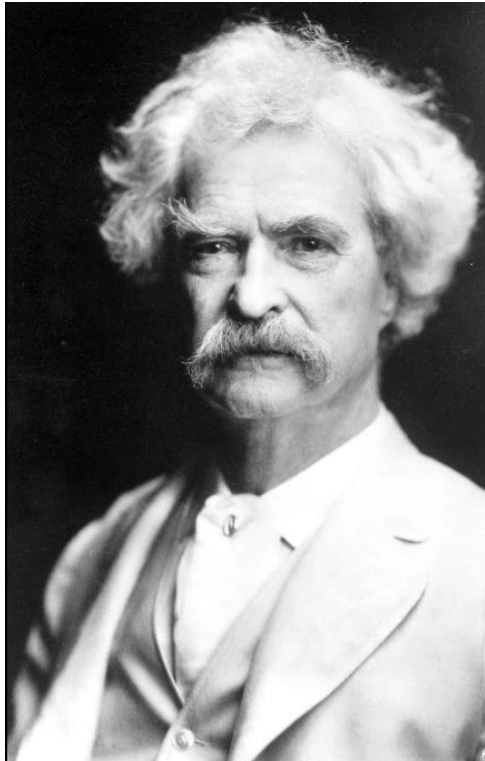


Richard Troote
Head of ICT



- Wales & West Housing founded 1965
- Around 10,000 units across Wales – Developing 393 in the coming years





**“The air up there in the clouds
is very pure and fine, bracing
and delicious. And why
shouldn't it be?--it is the same
the angels breathe.”**

— [Mark Twain](#), [Roughing It](#)





Six Advantages and Benefits of Cloud Computing



Trade capital expense for variable expense

Instead of having to invest heavily in data centers and servers before you know how you're going to use them, you can only pay when you consume computing resources, and only pay for how much you consume.



Benefit from massive economies of scale

By using cloud computing, you can achieve a lower variable cost than you can get on your own. Because usage from hundreds of thousands of customers are aggregated in the cloud, providers such as Amazon Web Services can achieve higher economies of scale which translates into lower pay as you go prices.



Stop guessing capacity

Eliminate guessing on your infrastructure capacity needs. When you make a capacity decision prior to deploying an application, you often either end up sitting on expensive idle resources or dealing with limited capacity. With Cloud Computing, these problems go away. You can access as much or as little as you need, and scale up and down as required with only a few minutes notice.



Stop spending money on running and maintaining data centers

Focus on projects that differentiate your business, not the infrastructure. Cloud computing lets you focus on your own customers, rather than on the heavy lifting of racking, stacking and powering servers.



Go global in minutes

Easily deploy your application in multiple regions around the world with just a few clicks. This means you can provide a lower latency and better experience for your customers simply and at minimal cost.

Microsoft Azure

Popular Solutions

Web apps

Learn how you can build web apps with Azure services

Mobile apps

Learn how you can build mobile apps with Azure services

Virtual machines

Learn how to use Azure to deliver Virtual Machine scenarios

Data Analytics

Learn how to use Azure for data processing and visualisations

High-performance Computing

Learn how to run large-scale workloads in the cloud

Internet of Things

Learn how to connect devices and people across your business

Development and testing

Learn how to use the cloud for your dev/test environment

Storage, Backup and Recovery

Learn how to store and protect your business-critical data



Hangouts

Office 365



 SharePoint
 Lync
 Exchange



Microsoft Cloud Plans



Office 365
Business Essentials

Office 365
Business

Office 365
Business Premium

Office 365
ProPlus

Office 365
Enterprise E1

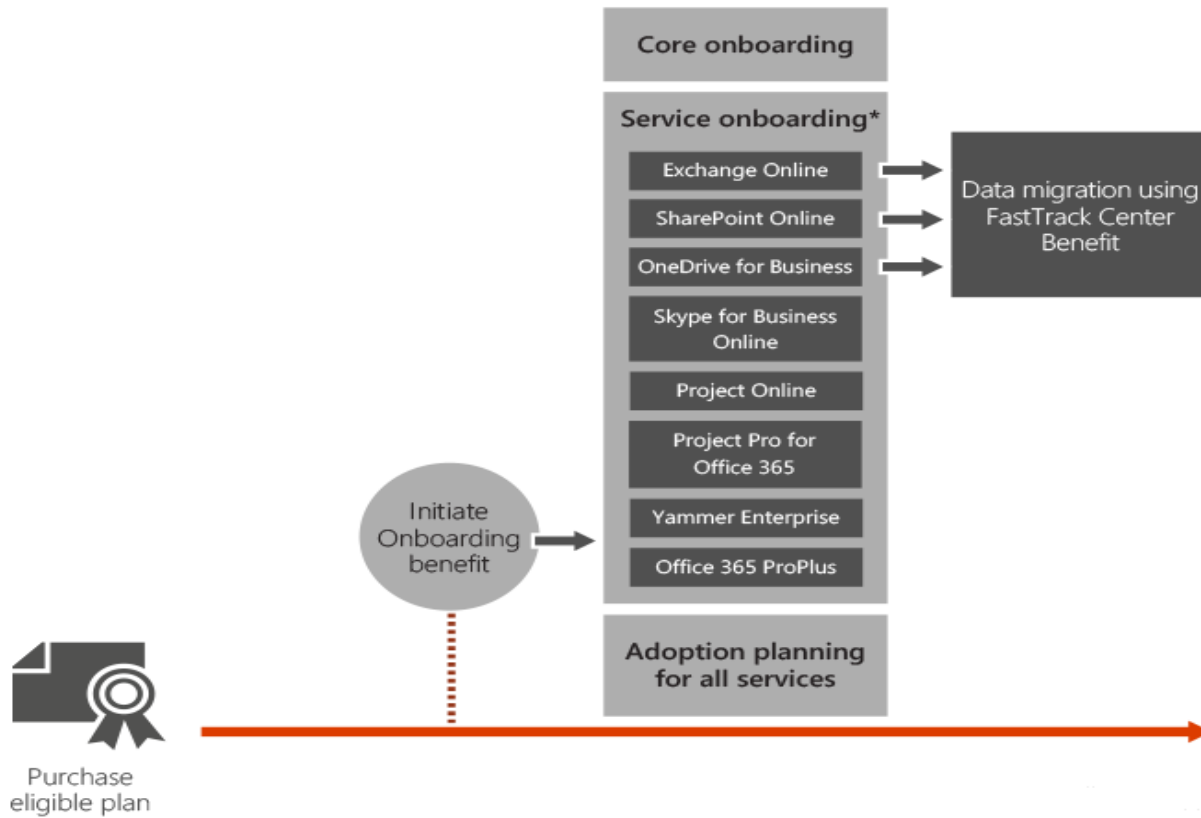
Office 365
Enterprise E3

Office 365
Enterprise E5

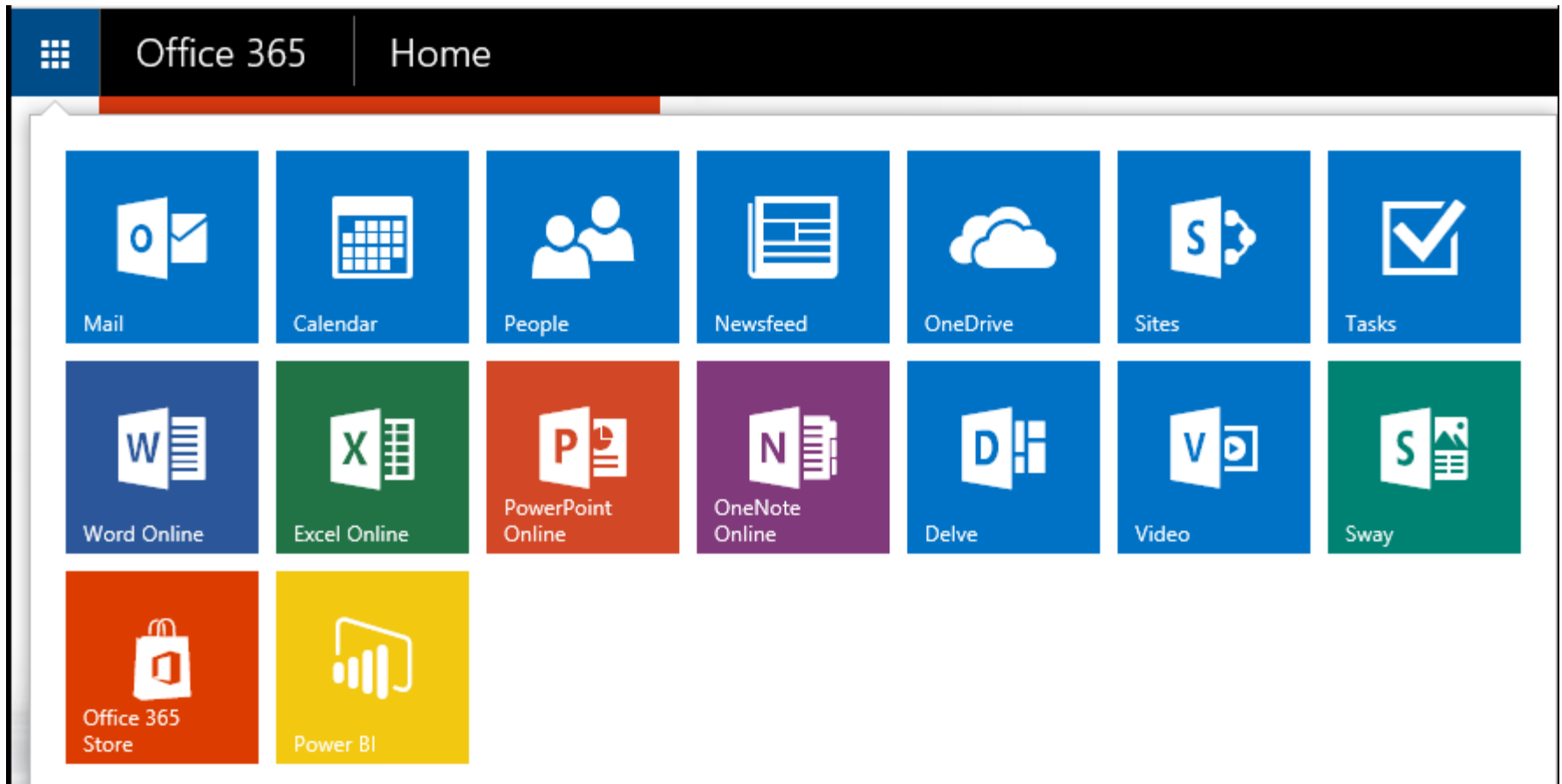
Office 365
Enterprise K1



On Boarding







Lots of Choice



AD Connect

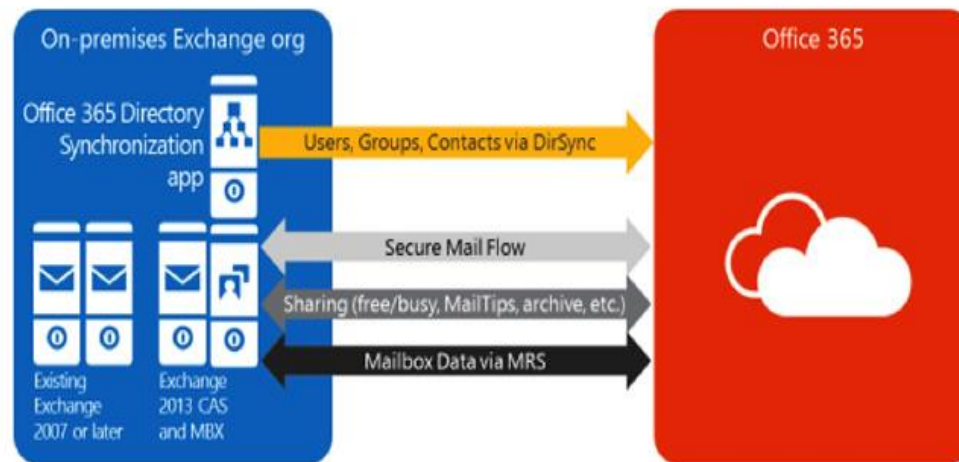


Active Directory to Azure Active Directory

		
<h3>DirSync</h3> <ul style="list-style-type: none">• Limited to single forest• No writeback features• Customization requires XML coding• No further updates	<h3>AAD Sync</h3> <ul style="list-style-type: none">• Multi-forest support• Writeback<ul style="list-style-type: none">• Passwords• Users• Devices• Groups• Custom attributes exposed in advanced interface <p>Deploy today.</p>	<h3>AAD Connect</h3> <ul style="list-style-type: none">• More installation options<ul style="list-style-type: none">• ADFS for proxy password authentication• AAD Connect Health• Supports high availability scenarios• Includes all AAD Sync features <p>Calendar 1/1 </p>

Exchange - Hybrid

2013 hybrid high-level architecture



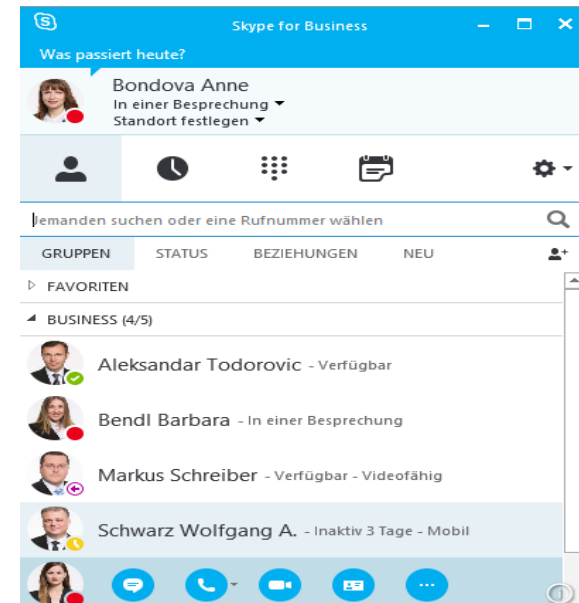
- First steps, exchange Hybrid with on Premise server.
- Take advantage of Online Archive (To replace on premise .pst files)
- Slowly migrate users to Office365 mail boxes



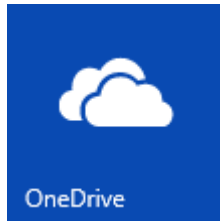
Skype for Business

- Presence/Outlook
- Skype Audio conference
- Instant Messaging v Email

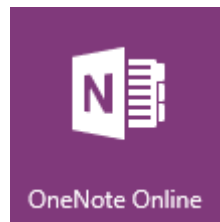
- Limited Pilot
- Integration with Video Conferencing (Polycom/Lifesize)
- Whole organisational roll out



Other Office365 Pilot Apps



- OneDrive – Configuration and sharing



- Useful but adoption rate is low with users



- Allows video content to be shared internally reducing storage and backup requirements on premise

Limitations of SharePoint Online

- Size limit for syncing files
- Character limit for file and folders
- Some file types are blocked
- Limits to site collections – linked to your licensing type
- File retention limits
- Storage limits
- Configuration limits



Benefits of Yammer

- Team working and collaboration
- Reduces Emails and unnecessary file attachments
- Get immediate feedback
- Bring in external collaborators without having to open your network
- Work/project threads are kept together



Office Delve



Open Delve

Office 365 Delve

Type to search

Get back to your documents or edit your profile

Click a card to open the document

Click a name or picture to go to a person's page

Group documents

Delve

Milton Dominquez Modified 2 hours ago

Northwind & Contoso Proposal

Amanda Cunningham Modified Sep 7, 2013

Employee Handbook - Updates

Chris Magnuson

Ron Chitwood

Sarah Talley

Milton Dominquez

Ashley Frye

contoso design team

human relations

employee handbook

PowerPoint - Amanda's Drafts Folder 261 views

Word - Dane Seale's OneDrive 208 views

Chris Magnuson Modified yesterday

Northwind Partnership

23 of your colleagues viewed this recently

Tablet Renewal Orders

Is this a leap too far for users?



- Reports
- Presentations
- Newsletters
- Blogs

A screenshot of the Sway application interface. The top bar shows 'Sway' and 'Remix!'. On the left, a sidebar lists content sources: OneDrive, Facebook (4 items), YouTube (12 items), Twitter, Add Source, My Device, My recipes (2 items), and Backup downstairs... (10 items). The main area shows a preview of a Sway page titled 'Why Colorado Isn't Cold' with a photo of a person in winter gear. A red arrow points from the 'Remix!' button to the preview. Another red arrow points from the 'YouTube' source to the preview. A third red arrow points from the 'Remix!' button to the text 'Automatically change fonts and layouts and sources.'

Remix!

OneDrive

Facebook 4 SkyDrive camera roll 12

YouTube 12

Twitter

+ Add Source

My Device

My recipes 2 Backup downstairs ... 10

Shared favorites 2

Title

Why Colorado Isn't Cold

The average annual temperature is 64 degrees. That's toasty warm with even a decent coat.

Section

Header

We get snow.

Sway lets you pull photos, files, videos, audio files from these sources.

Automatically change fonts and layouts and sources.



WWH - Implementation



- AD Connect
- Exchange Hybrid (Online Archive)
- Office (Word, Excel, PowerPoint)
- SharePoint Online (To replace Dropbox)
- Skype for Business
- Yammer
- Video





Any Questions

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