envision IT

Envision IT Office 365 Productivity Series
Hybrid Office 365 Azure and SharePoint On Premise Scenarios and Licensing

July 22, 2015

SharePoint

Office 365

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Agenda

Overview of Envision IT
Cloud Security
Case Studies
Licensing
Scenarios
Questions / Next Steps

Envision IT Overview

- O365 Productivity Consultants
- Go-to partner for SharePoint Websites, Intranets, Extranets, and Collaboration portals
- 24 years of experience
- 10 years of SharePoint experience
- Microsoft Gold Partner
- Multiple award winner

Microsoft Partner
Gold Collaboration and Content
Silver Application Development
Silver Cloud Platform

2010 IMPACT AWARDS WINNER

METALOGIX BEST OF BREED

IT SECURITY AWARDS

CDN CHANNEL ELITE AWARDS 2009 SILVER WINNER BEST GREEN SOLUTION

Services

- Public Websites
- Intranets
- Extranets
- Collaboration Portals

- SP Farm Health Check
- O365 & Azure Cloud Services
- AODA Compliance
- Upgrades & Migrations
- Training
- Mobile first adaptive design
- Support Agreements
- Solution Architecture
- Workflows and Forms

Poll 1

Which on premise version of SharePoint are you currently using?

- SharePoint Server 2013
- SharePoint Server 2010
- SharePoint Foundation (2010 or 2013)
- MOSS 2007 or WSS 3.0

SharePoint Deployments

- There are three broad ways to deploy and use SharePoint today.
  - Office 365 and SharePoint Online
  - SharePoint on premises
  - SharePoint running in Azure

Barriers to the Cloud

- SharePoint customizations
- Data security
- Data sovereignty

Office 365 Trust Center

- https://products.office.com/en/business/office-365-trust-center-cloud-computing-security

Physical Security

On Premise

- Servers isolated in a server room
- Restricted access to the server room
- All access logged and audited
- Safe from social attacks (false tradespeople, etc.)

Microsoft Cloud

- Restrict physical data center access to authorized personnel
- Multiple layers of physical security
  - Biometric readers
  - Motion sensors
  - 24-hour secured access
  - Video camera surveillance
  - Security breach alarm

Auditing

On Premise

- Little or no auditing may be occurring

Microsoft Cloud

- Continuous auditing under a number of different organizations for compliance with certifications

Logging

On Premise

- Logging may or may not be enabled and secured
- First steps for hackers is often to determine the logging in place and erase their footprints

Microsoft Cloud

- Consolidated logging of all levels of service

Backups

On Premise

- Backups stored locally in the same server environment
- Backups taken off site on removable media, unencrypted and physical insecure (USB drives, tapes)
- Cloud based backup

Microsoft Cloud

- Three copies of the data maintained locally
- Another three can be geo-replicated to another Microsoft data centre
- Backups taken every 12 hours and stored for 14 days

Data Encryption

On Premise

- Typically no encryption of data at rest on the server disks
- May or may not be encrypted in transit (https publishing)

Microsoft Cloud

- Data encrypted on the physical disks
- Data is encrypted in transit between Microsoft data centers
- Data in transit is always encrypted (published on https)

Search and Seizure

On Premise

- Illegal employee activity could result in a warrant for the seizure of servers
- Computers may be physically seized
- With a co-operative business law enforcement will typically take the data from the computers in place
  - Depends on the quantity and severity

Microsoft Cloud

- Government does not have physical access to the disks
- Microsoft resists direct demands and defers government requests to the customer
- Data access governed by law where it rests

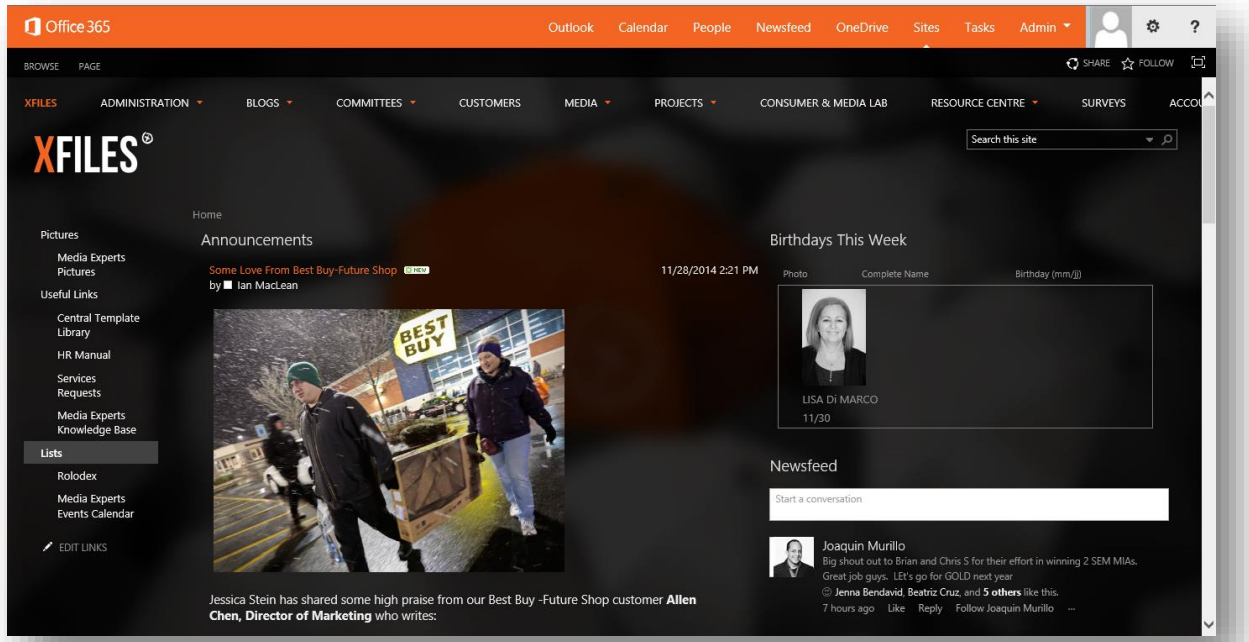
Data Sovereignty

- Microsoft announced June 4 two Canadian data centres
  - Toronto and Quebec City
  - Co-located in existing commercial data centres
- Azure comes online first
  - Limited preview this fall
  - General availability beginning of 2016
- Office 365 will come after Azure, but in 2016
  - Exact timing not yet announced

Advantages to the Cloud

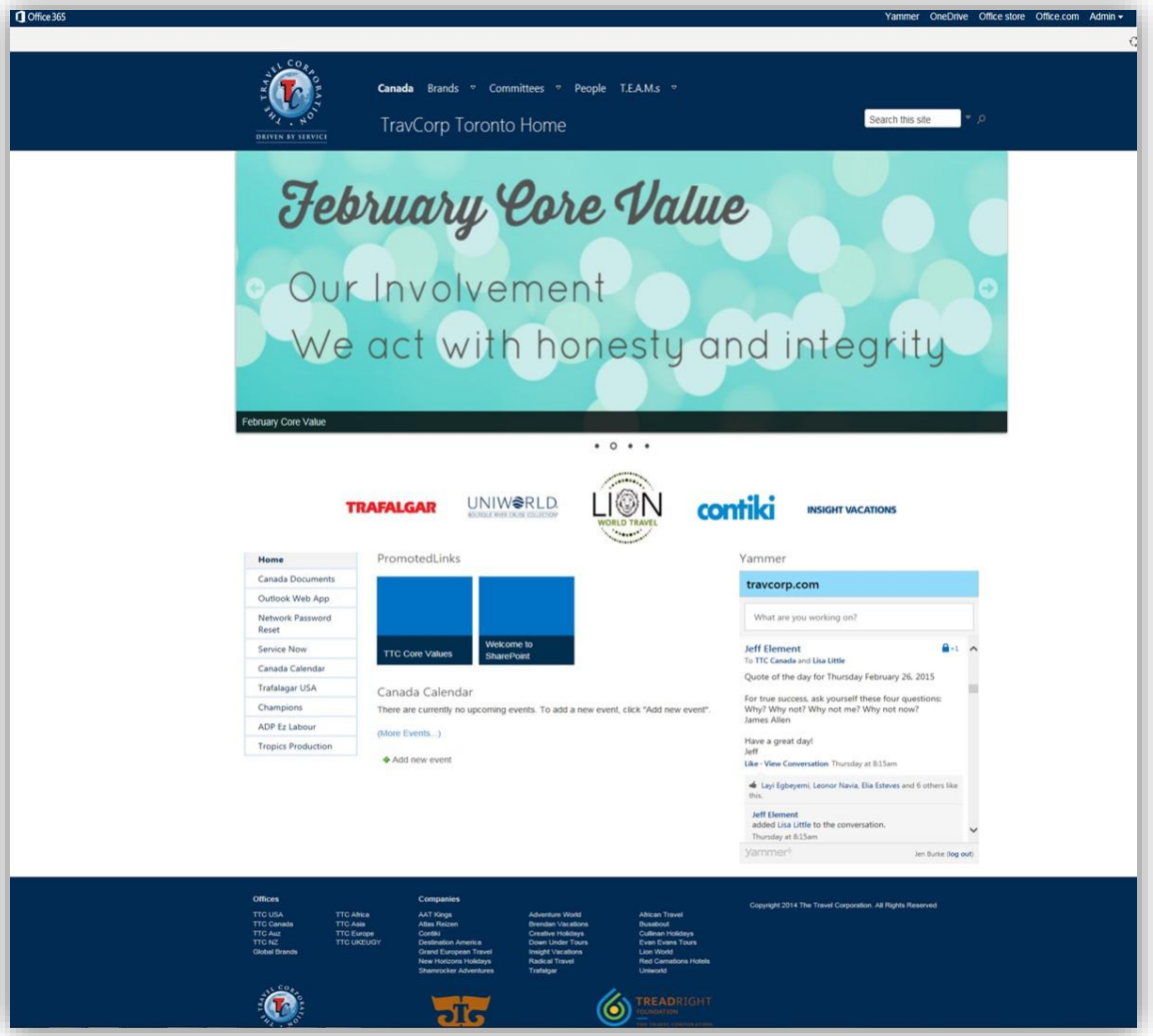
- Lower costs
- Microsoft's cloud first strategy
  - Investments will happen there first
- Cloud only feature sets
  - Yammer
  - Delve
  - NextGen portals
    - Video
    - Knowledge Management
    - …

Media Experts



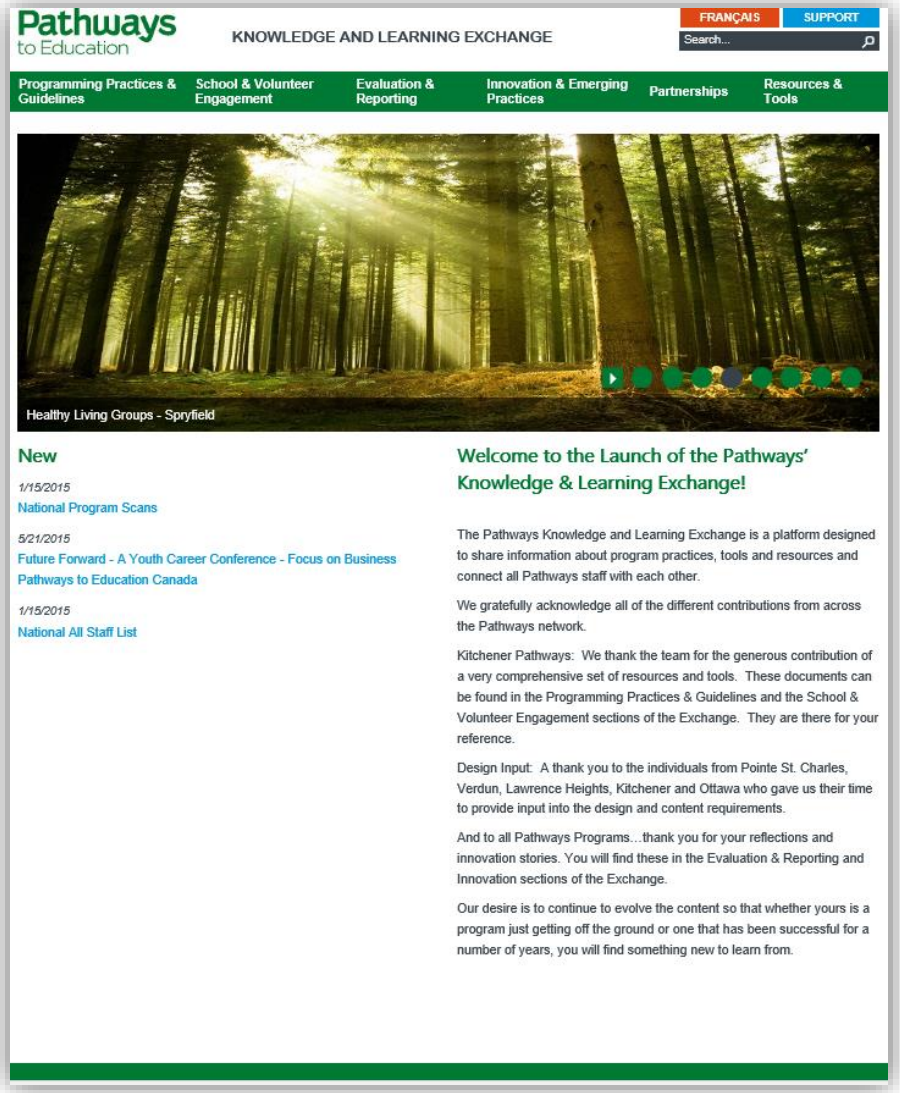
- Top ranked, Canadian owned agency media planning and buying company
- Purely focused on the Canadian consumer
- Intranet housing customer documentation was migrated to O365 from MOSS 2007
- Re-architected into multiple site collections with a content-type hub

The Travel Corporation



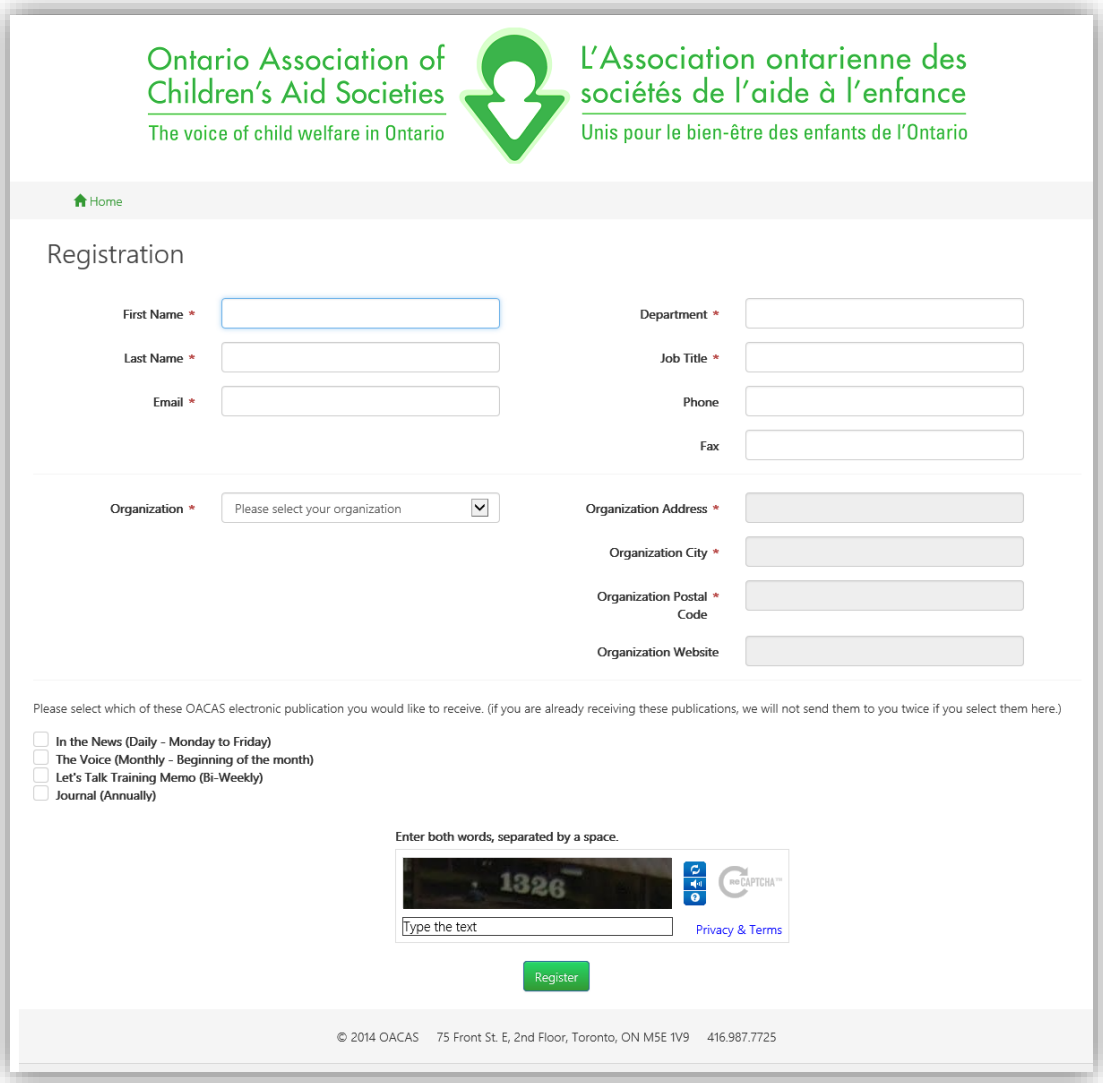
- Diverse brands, locations and travel experiences
- SP Online and Yammer provide a global collaborative intranet environment
- Compelling, creative design
- Adaptive provides optimum experience for mobile

Pathways to Education



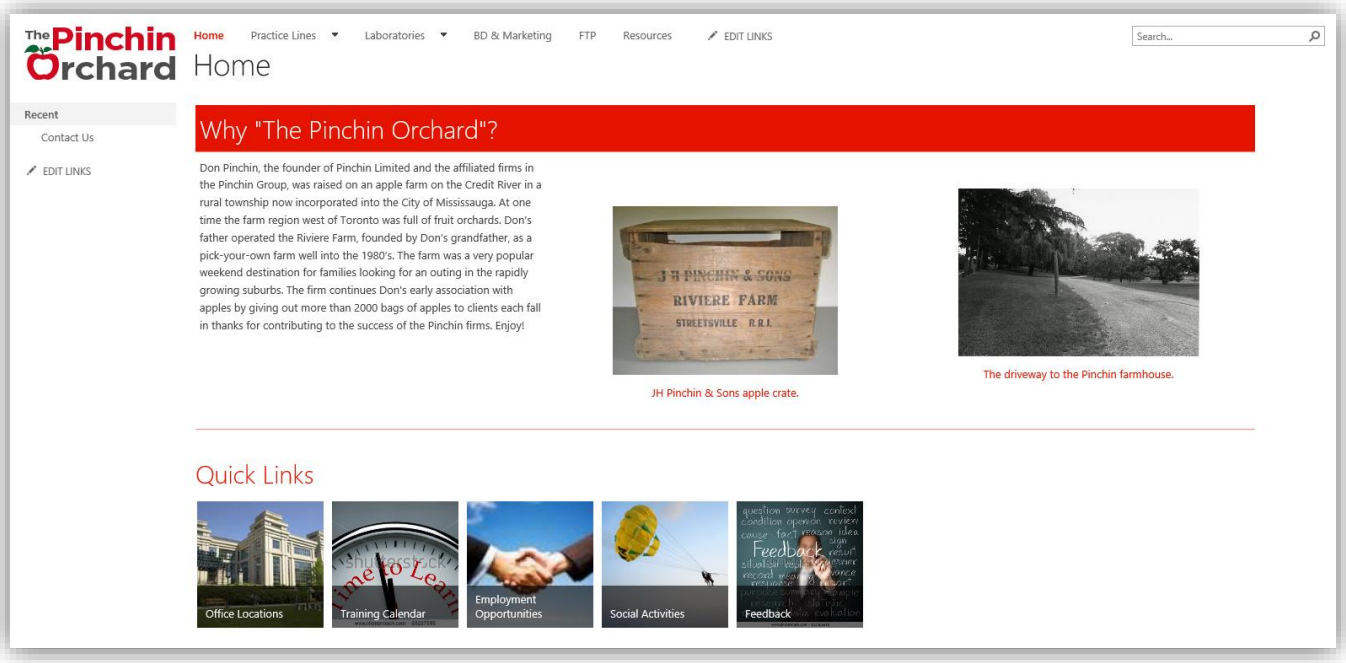
- Fresh, attractive O365 site in accordance with corporate branding guidelines
- Custom image rotator, lots of white space
- “New” webpart displays latest articles

Ontario Association of Children's Aid Societies



- O365 solution hosted on Azure
- Accessed Microsoft O365 Nonprofit E1 program for up to 8,000 free user licenses
- Over 1,200 documents shared out to 44 member CAS
- Dynamic pages display tagged content
- Site navigation renders based on Term Store configuration
- A responsive design
- Familiar user experience across Extranet and Collaboration sites

Pinchin



- Provide environmental, engineering, health & safety consulting
- Training and mentoring on Office 365 Intranet
- Issues around document management, retention policies
- Groups and permissions, sharing in O365
- Search Centre configuration and refinement setup
- Workflows and alerts

Licensing

SharePoint 2013 Licensing Changes

- The SharePoint For Internet sites (FIS) license is no longer needed for public web sites or Extranets
- This can save significant licensing dollars
- This applies to on-premise, Azure, or third-party hosting options

SharePoint Licensing– 2010 vs 2013

2010	Intranet	Extranet	Internet Sites
Internal Users	SharePoint Server + CAL	SharePoint Server + CAL Or SharePoint for Internet Sites (FIS)	SharePoint for Internet Sites (FIS)
External Users*	N/A		

2013	Intranet	Extranet	Internet Sites
Internal Users	SharePoint Server + CAL	SharePoint Server + CAL	SharePoint Server
External Users*	N/A	SharePoint Server	

Note*: External users means users that are not either your or your affiliates' employees, or your or your affiliates' onsite contractors or onsite agents

Office 2013 On Premise Web Apps

- I have internal users who want to access Office documents via Office Web Apps, what licenses do I need to be compliant?

Scenario	Internal User
Read Office documents via Office Web Apps	Free, no Office client required
Edit Office documents via Office Web Apps	Requires Office 2013 Standard or Professional Plus

- Our company users (who are licensed for Office Client) are working with external users on projects, what licensing do those external users need to access Office documents via Office Web Apps?

Scenario	External User*
Read Office documents via Office Web Apps	Free, no Office client required
Edit Office documents via Office Web Apps	Free, no Office client required

***External Users:** defined as users that are not either your or your affiliates' employees, or your or your affiliates' onsite contractors or onsite agents.

SharePoint On Premises

- Each internal user needs a Client Access License (CAL) to access SharePoint
  - Standard and Enterprise versions
  - Enterprise includes additional workloads
    - Search: entity extraction, video search, item recommendations
    - Business solutions (includes Access Services and InfoPath Services)
    - Business Intelligence for everyone (includes Power View, PerformancePoint Services, Excel Services, and Visio Services)

https://products.office.com/en-us/sharepoint/sharepoint-licensing-overview

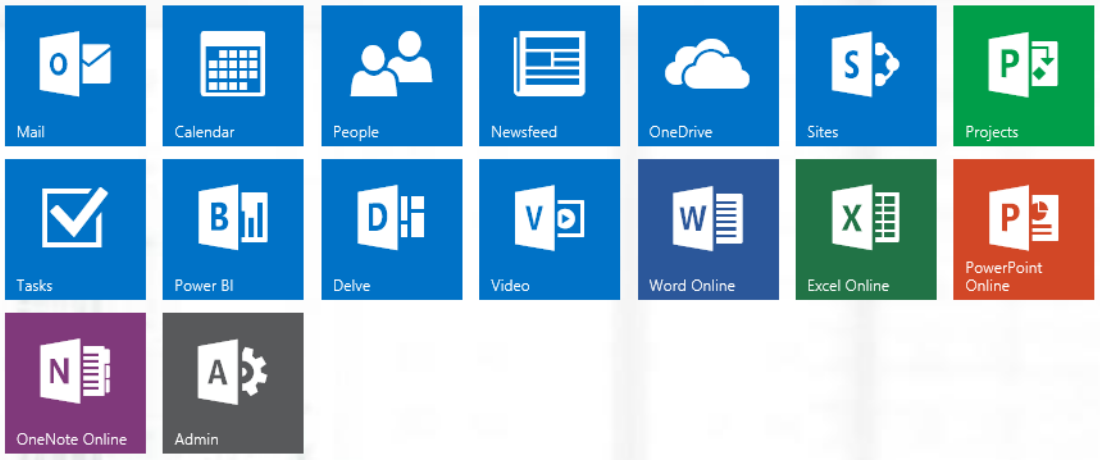
SharePoint On Premises

- SharePoint Server for each server running SharePoint
- SQL Server licensing – two alternatives
  - SQL core licenses for each CPU core
    - Required for Public web sites or Extranets
  - Server and CALs for each user
- Windows Server for each server

SharePoint on Azure

- Same licensing as on premises with these exceptions
  - Windows Server license is included in Azure
  - SQL Server licensing can be included as well

Office 365



- Suite of desktop, mobile and browser based productivity tools
- Windows, Mac, iOS, and Android support
- Supports all the major browsers

Office 365 Plans

Business			Enterprise		
Office 365 Business Essentials	Office 365 Business	Office 365 Business Premium	Office 365 Enterprise E1	Office 365 ProPlus	Office 365 Enterprise E3
Learn more	Learn more	Learn more	Learn more	Learn more	Learn more
$5.10 user/month (annual commitment)	$10.50 user/month (annual commitment)	$12.90 user/month (annual commitment)	$8.20 user/month (annual commitment)	$15.20 user/month (annual commitment)	$23.20 user/month (annual commitment)

https://products.office.com/en-ca/business/compare-more-office-365-for-business-plans

Additional plans for education, government, and nonprofit

SharePoint Online Plans

Compare SharePoint options

SharePoint Server		SharePoint Online	
Standard	Enterprise	Plan 1	Plan 2
Licensing options	Try now Licensing options	$5.00 user/month Buy now	$8.00 user/month Buy now

https://products.office.com/en-us/sharepoint/compare-sharepoint-plans

Differences Between Business and Enterprise Plans

	Business	Enterprise
Seat cap	300 for each plan	Unlimited
On premise CAL rights	No	Yes
Delve, Video, NextGen portals	No	Yes

- You should have SharePoint Online or Enterprise Plans for hybrid
- Alternatively you can use your existing SharePoint CALs for on premise

Scenarios

Hybrid Scenarios

- Hybrid Intranet – On Premise and Office 365
- Azure public web sites
- Office 365 Extranets
- Azure dev and test

Hybrid Intranet

- Leverage the full rich experience of Office 365 for the main company Intranet
- Make use of the cloud only features
  - Yammer
  - Delve
  - Video
- Keep custom code or confidential data on premises
- Provide a seamless experience across both environments

Considerations

- Single Sign-on
- Common branding and navigation
- Hybrid search
  - https://channel9.msdn.com/Events/Ignite/2015/BRK3134

Existing Hybrid Search Solution From 2013

- SharePoint Server 2013 introduced hybrid search using query federation
- Search results came as separate results sets
- This solution required hosting all search components on-premises

The Office 365 hybrid search experience

- Relevancy and deep refiners across the entire result set

Search from anywhere, even on-premises sites	Office 365 enterprise search and Delve for your on-premises content	Preview and access the content when connected to your corporate network

Azure Public Web Sites

- No need to build and support a DMZ infrastructure in your data centre
- Full SharePoint functionality hosted in the cloud
- Elastic – can scale up and down as needed
- https://blog.petercarson.ca/Pages/Public-Website-Azure-Architecture.aspx

Office 365 Extranets

- The external sharing feature of Office 365 is not ready for most business needs
  - Better governance, control, and user experience is needed
- Extranet User Manager plus Office 365 is a great Extranet solution
  - No need for infrastructure
  - More secure and better managed than email for external collaboration
  - Fully branded and customized user registration and approvals
  - www.extranetusermanager.com

Dev and Test in Azure

- Don’t consume precious on premise data centre resources
- Leverage your MSDN licensing
- Only pay for what you need
  - If you run the environment 8 hours a day 5 days a week, consumption is 24% of 7x24
  - Don’t need Test for a period of time, shut it down
  - Only paying minimal $ for storage

Poll 2

What are your most likely hybrid scenarios?

- Hybrid Intranet – On Premise and Office 365
- Azure public web sites
- Office 365 Extranets
- Azure dev and test

Recent Sessions

- Office 365 The Future is Now
- Office 365 Information Architecture and Migration
- Office 365 Experience, Branding, and Navigation

www.envisionit.com/Events

Questions and Next steps

THANK YOU!