

# Recap of Microsoft Ignite

Version: June 2015

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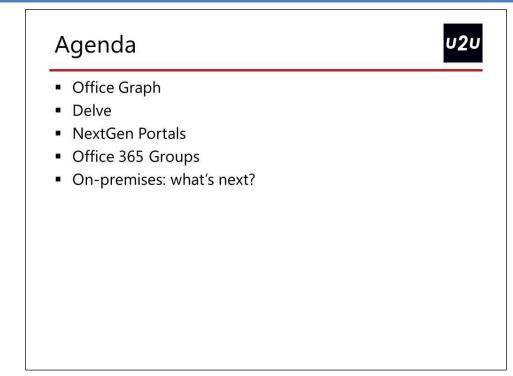
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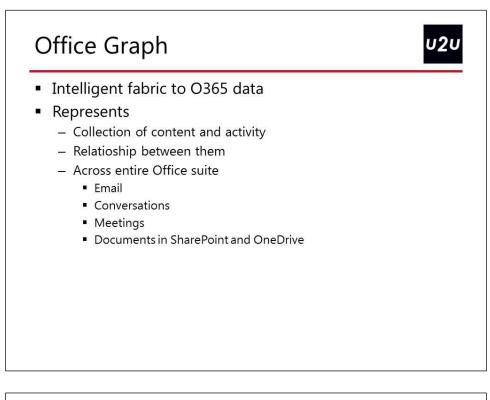
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### **1 NEW CAPABILITIES IN OFFICE 365**



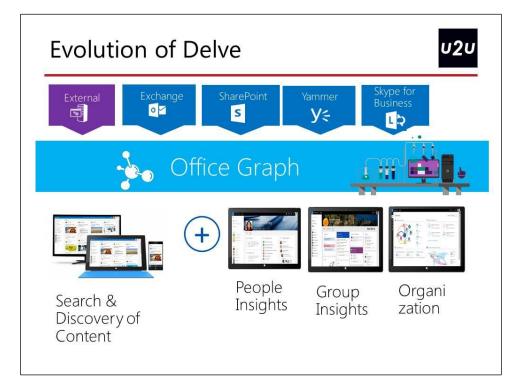
#### 1.1 OFFICE GRAPH

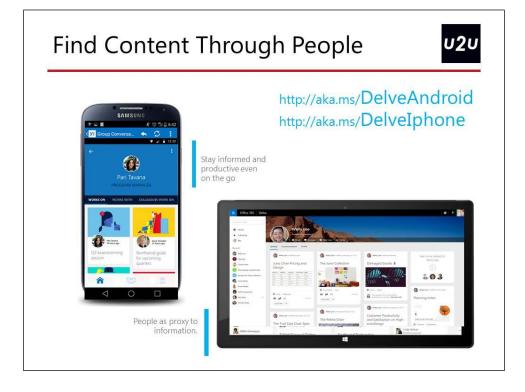


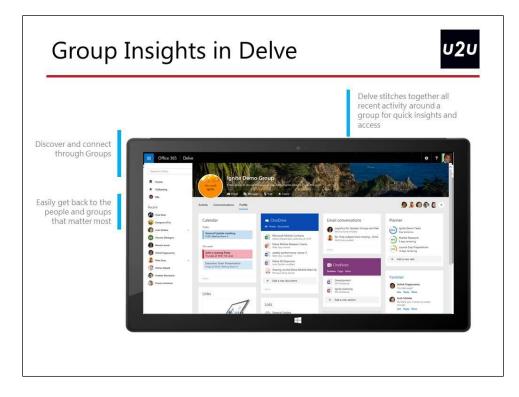


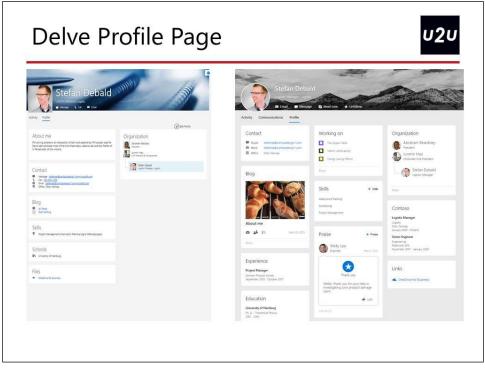
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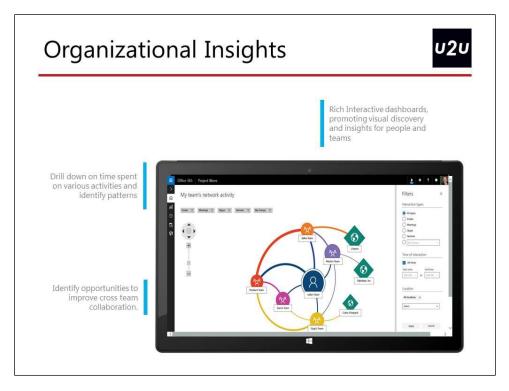
#### 1.2 DELVE

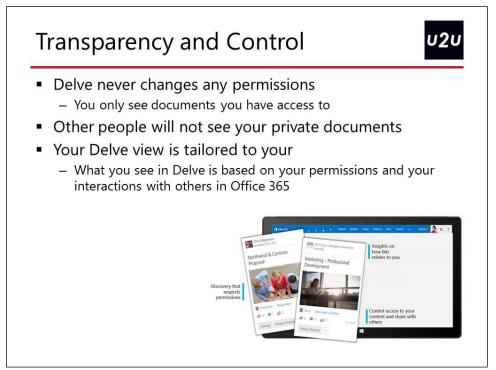












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# Transparency and Control

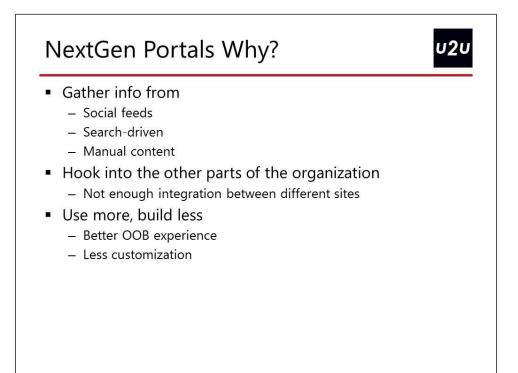
#### Hide documents from Delve

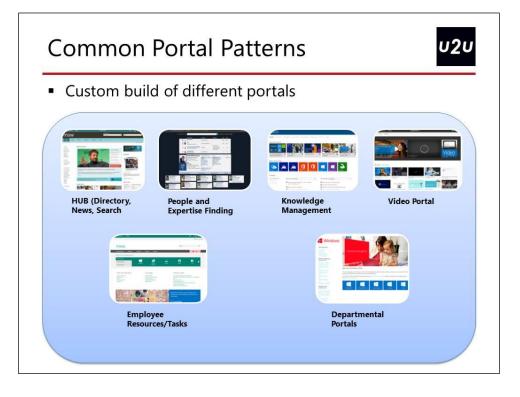
- Find library with document you want to hide from Delve
- Create site column named HideFromDelve
- Mark document you want to hide
- Re-index library
- Create new managed property HideFromDelve on tenant level
- Map the crawled property **ows\_HideFromDelve** to the managed property **HideFromDelve**
- Re-index the library

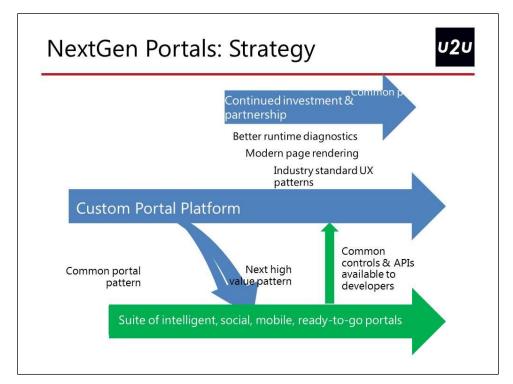
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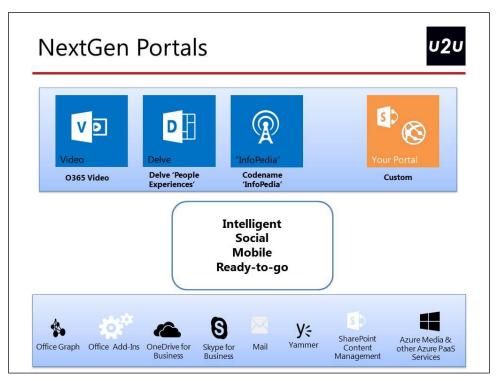
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#### 1.3 NEXTGEN PORTALS









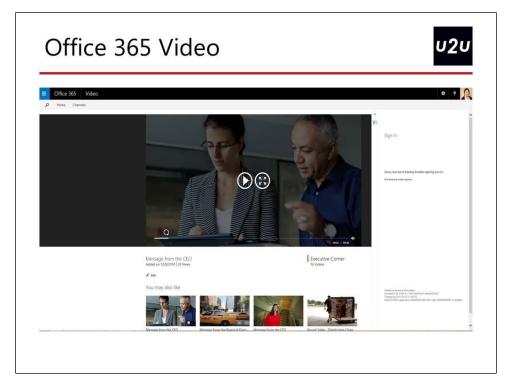


- Storage
- Playback
- Encoding
- No additional cost
- Mobile devices
  - O365 Video app
  - Without app: HTML video player
- Automatically select right format
  - For device
  - Based on available bandwidth



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...

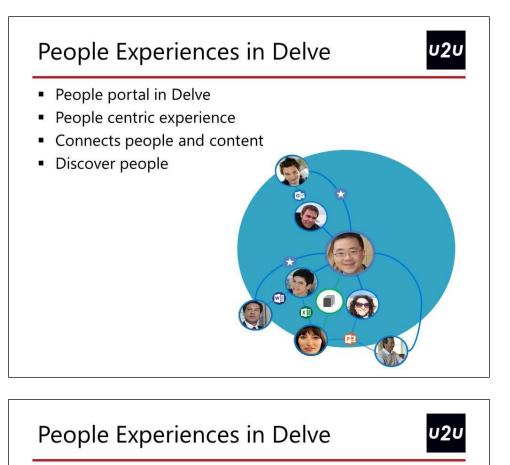




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- Embed in other O365 locations outside of video portal
- Responsive design for all video portal pages
- More personalized Home page
- Hybrid link to O365 Video from SharePoint Server 2016
- 'Publish to' from Skype for Business into O365 Video Channel

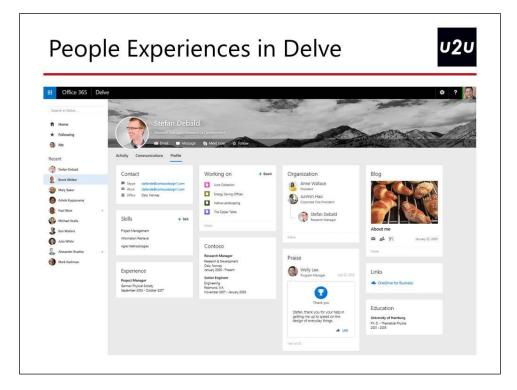


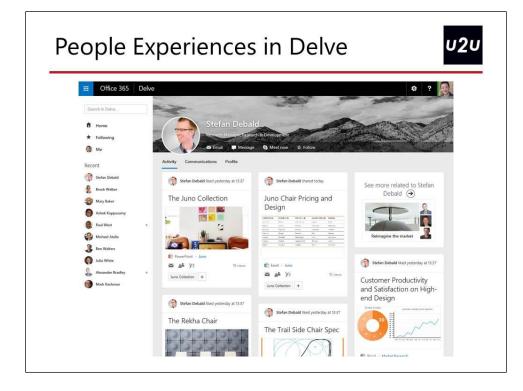


- Overview of
  - Who knows what
  - Who does what
- Connect, recognize and learn about colleagues
- Powered by activity
- Connected to your everyday business processes, apps and devices

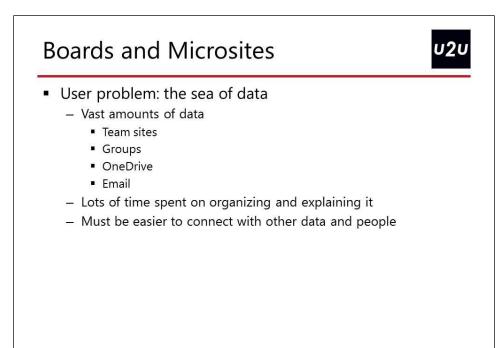


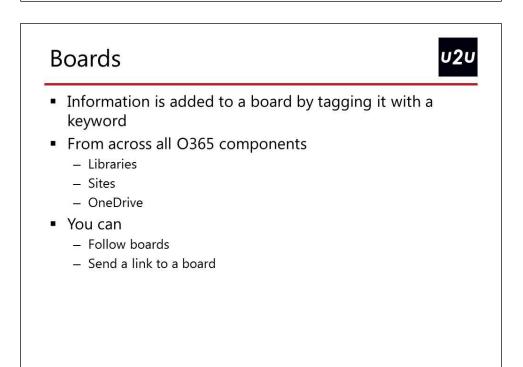




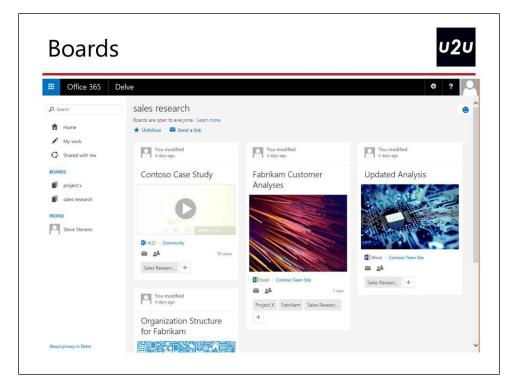


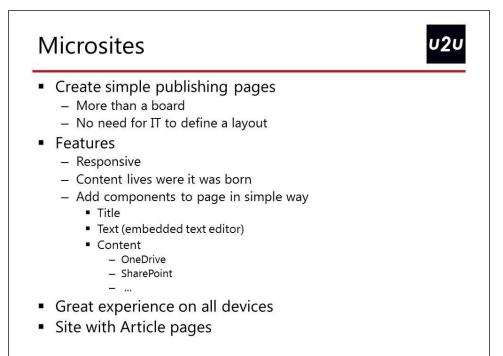






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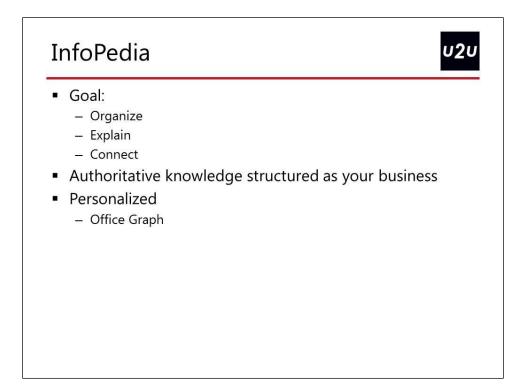


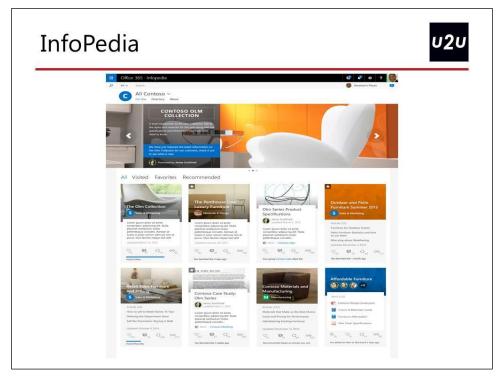


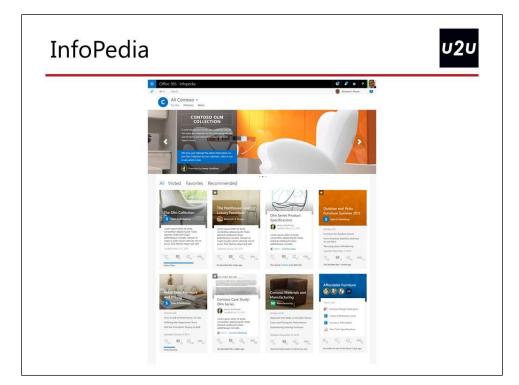


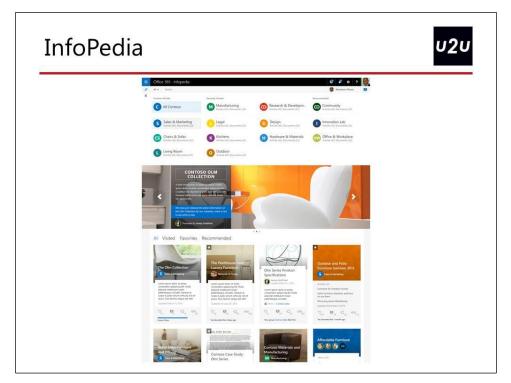
## Knowledge Management Portal

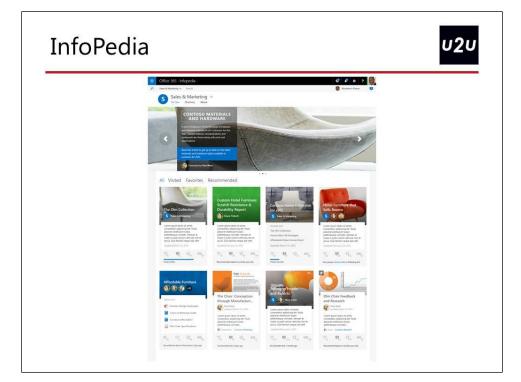
- Codename 'InfoPedia'
- Place to create
  - Microsites
  - Boards
- Like Video portal, but for all kinds of content
- Personalized
  - Places you visit a lot
  - Favorite pages
  - Spotlights
- Coming soon

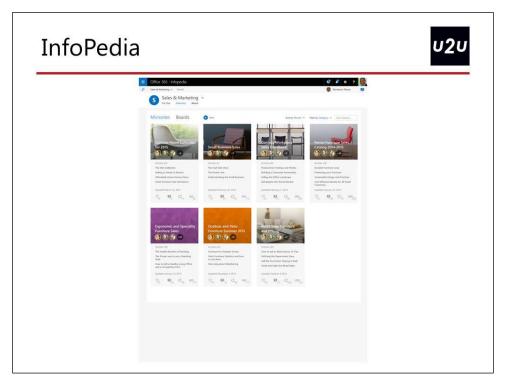




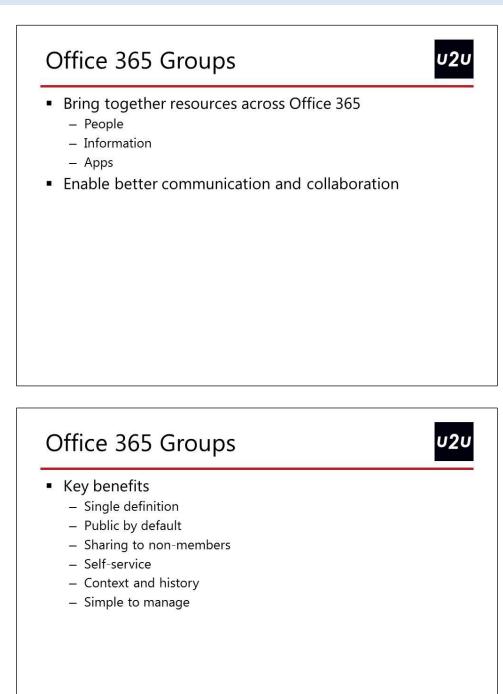




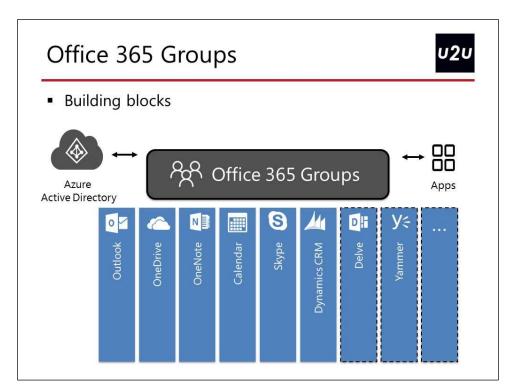


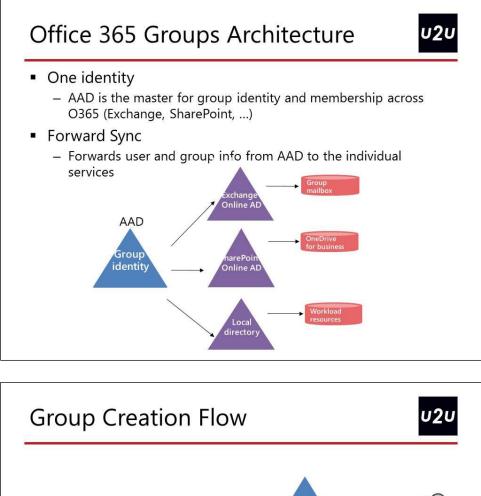


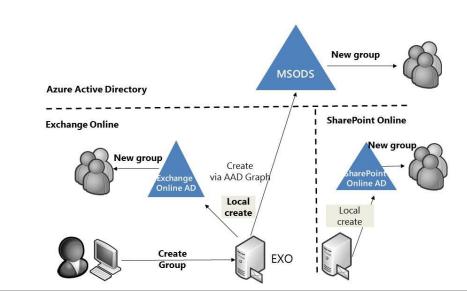
#### 1.4 OFFICE 365 GROUPS



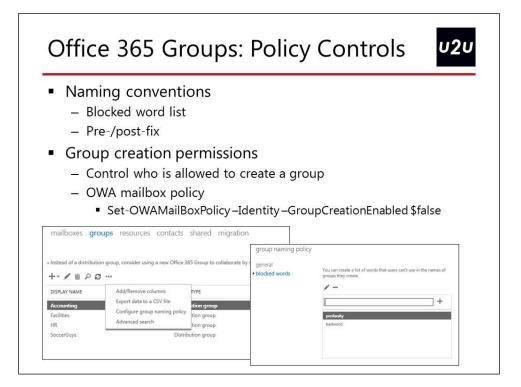








Office 365	Groups		U20
Office 365	Outlook Contoso		
Search Mail and People	e		
<ul> <li>Groups</li> <li>→ Browse groups</li> </ul>	Inbox Today	All 🗸	
Create group     Joined groups     Customer su	Imran Masud; Amit Gupta; M Are we meeting for lunch Already here waiting for you guys	3:34 PM	
SA Sales	Imran Masud; Eric Zenz; Shas Very exciting keynote - loved all the di (2) I got really excited watching the demos!		
Moms & Da	Andy Haon; Amit Gupta; Chri • what's up? Lineed to try the famous Pizza!	3:31 PM	



#### 1.5 ON-PREMISES: WHAT'S NEXT?

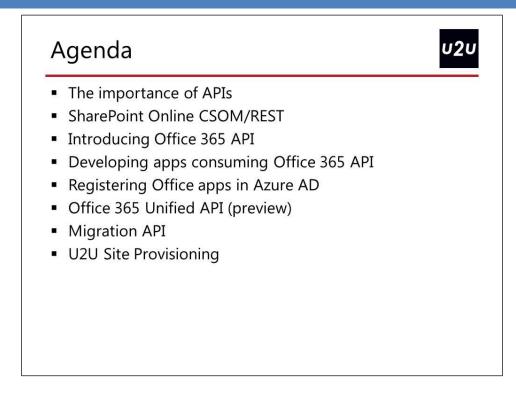
### SharePoint Server 2016

- Release date: Second quarter of 2016
- Based on SharePoint Server 2013
- Bring on-prem data into the Office Graph picture and Delve
- Focus on hybrid
  - Hybrid search
  - Hybrid OneDrive
  - Hybrid team sites
  - Hybrid taxonomy
  - Hybrid eDiscovery

### Exchange Server 2016

- Release date: Late 2015
- Based on Exchange Server 2013
- CAS is gone
  - Part of Mailbox server role
- Edit documents in OWA (requires OWA farm)
- Better search
- Attachments become links to OneDrive for Business docs

### 2 DEVELOPING APPS WITH THE NEW APIS OFFERED BY OFFICE 365

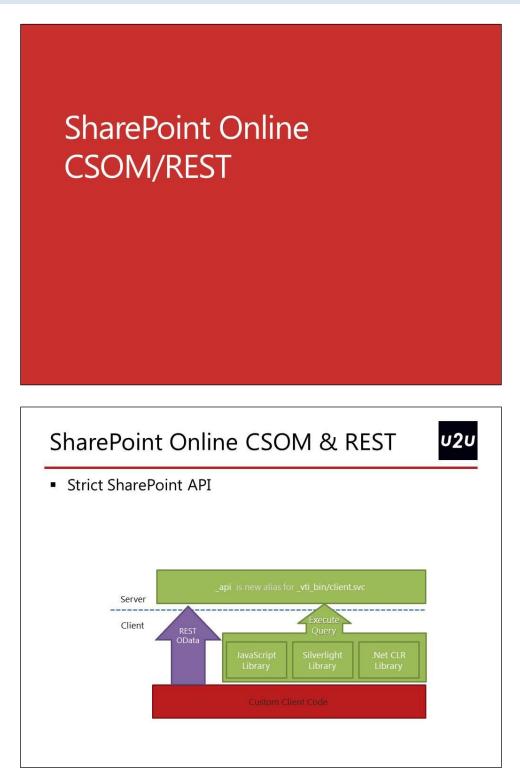


#### 2.1 THE IMPORTANCE OF APIS



	Farm Solutions	Sandboxed Solutions	Apps for SharePoint/Office 365
First available	SharePoint 2007	SharePoint 2010	SharePoint 2013/Office 365
Code	Running in the SharePoint process (w3wp.exe)	Running in a seperate service on the SharePoint Server	Running on a remote machine
API	SharePoint Server Object Model	SharePoint Server Object Model	Client Side Object Model/REST Services
Capabilities	Full control on SharePoint environment	Limited CAS and API access	
Office 365 & SharePoint Online	Not supported	Coded solutions deprecated Non-coded solutions supported	Supported

#### 2.2 SHAREPOINT ONLINE CSOM/REST

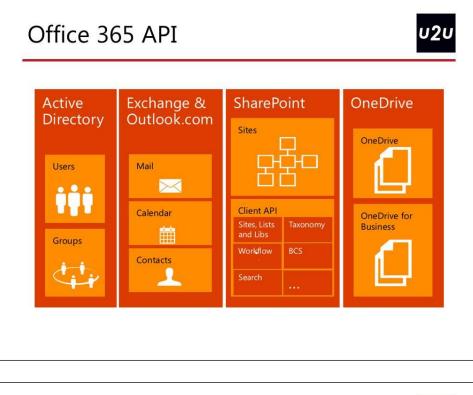


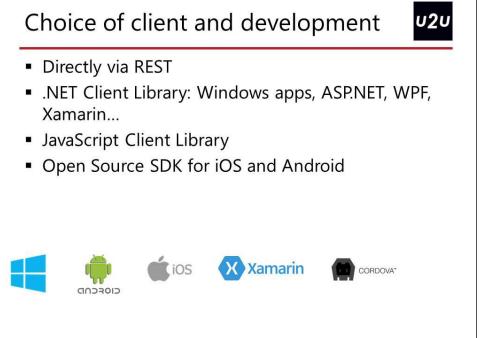
#### 2.3 OFFICE 365 API

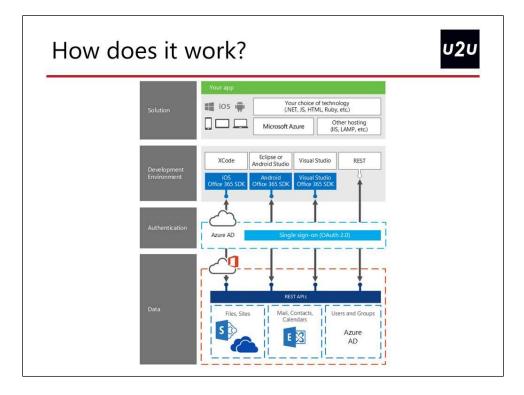


### Office 365 API

- Set of REST services:
- Microsoft Exchange Online: Mail, Contacts & Calendars
- Microsoft OneDrive for Business: My Files
- Microsoft Azure Active Directory: Authentication, Directory Graph







# Azure Active Directory

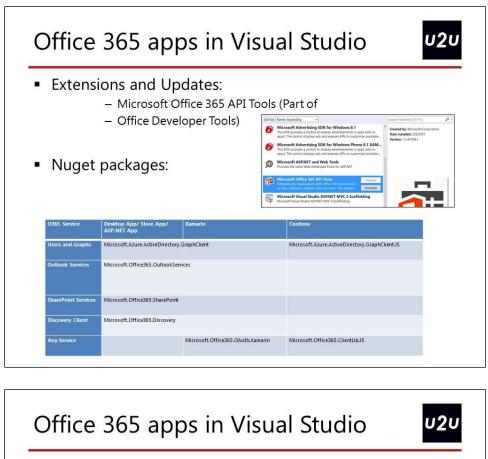
- Applications using Office 365 API need to be registered in Azure Active Directory
- Done manually or from within Visual Studio
- 2 Types of applications can be registered:
  - Web Application (Web API, MVC, Web Forms)
  - Native Client (Mobile, Windows apps, Desktop App)

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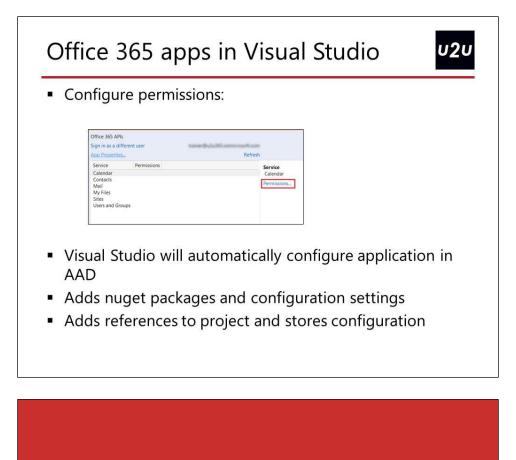
Discovering the Office 365 REST API

Developing apps consuming Office 365 API



Add Office 365 API to your project

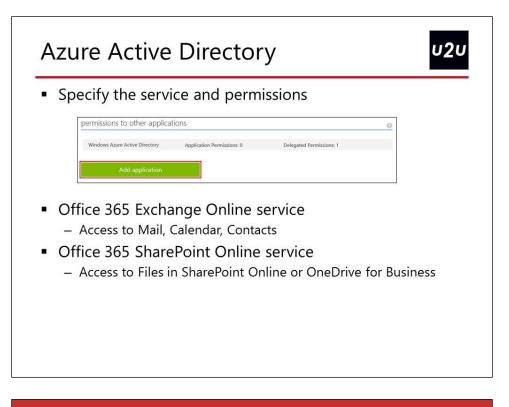
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	Existing Project as Azure WebJob	1	**	Bund Rebuild		E.	
	Reference_			Clean			
	Service Reference			View	5	1	
	Connected Service			Analyze	2	a l	
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	HTML Page			Publish			
	JavaScript File Style Sheet			Add Application Insights Telemetry			
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				Remove	Del		
			<b>X</b> :-	Rename		cation	http://localhost1301 Disabled
				Unload Project			
			¢	Open Folder in File Explorer			ExploreO365Apis.csp
				Properties	Alt+Enter		Chilleniartin/Winaldo





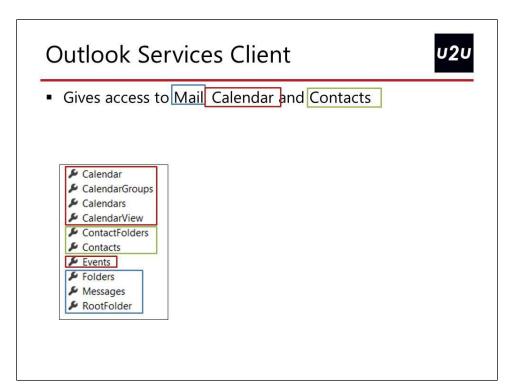
Registering Office 365 app in Visual Studio

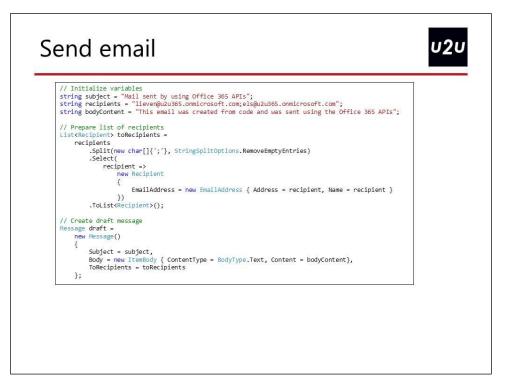




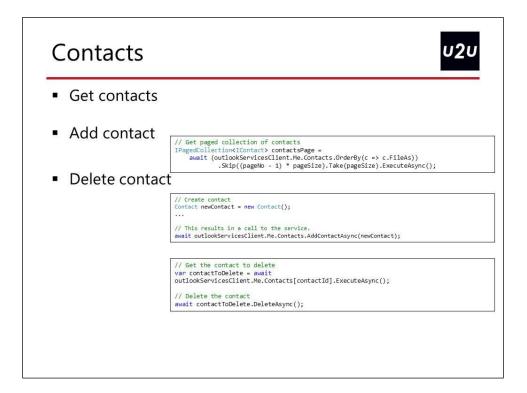


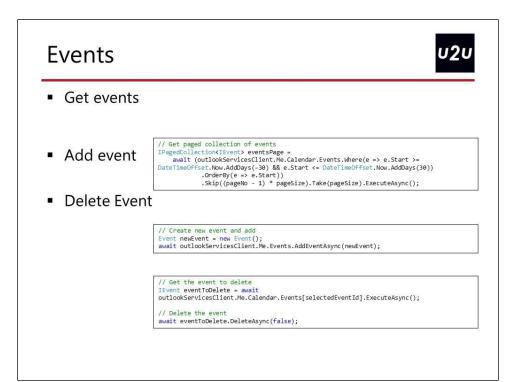
Registering Office 365 app in Azure Portal

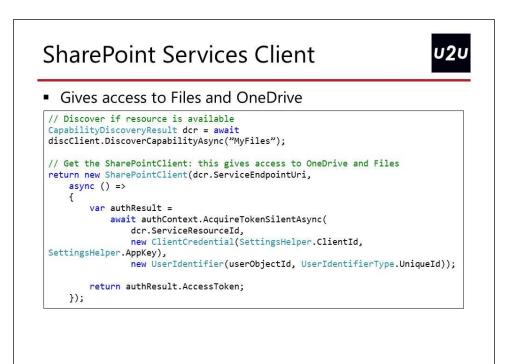












### Get files

```
U2U
```

```
// Do paging when fetching
int pageNo = 1;
int pageSize = 25;
// Get the SharePoint client
SharePointClient sharePointClient = await
AuthenticationHelper.EnsureSharePointClientCreatedAsync("MyFiles");
// Get the files (and folders)
IPagedCollection<IItem> filesPage =
    await (sharePointClient.Files.Where(i => i.Type == "File"))
        .Skip((pageNo - 1) * pageSize).Take(pageSize).ExecuteAsync();
// Get current page
IReadOnlyList<IItem> fileItems = filesPage.CurrentPage;
// Cast to file objects
IEnumerable<File> files = fileItems.Cast<File>();
```



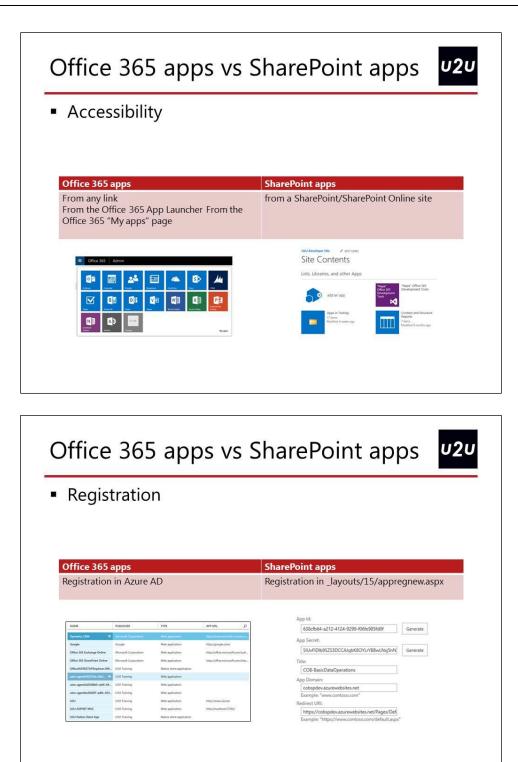
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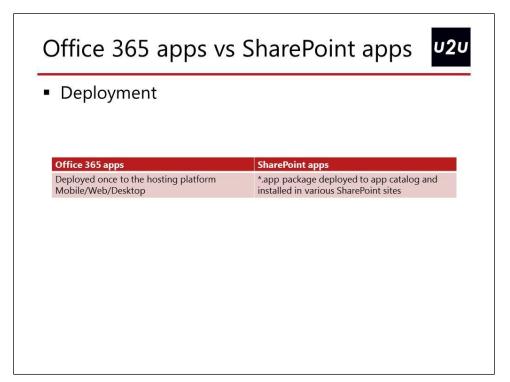
# DEMO

Office 365 API .NET Client Library

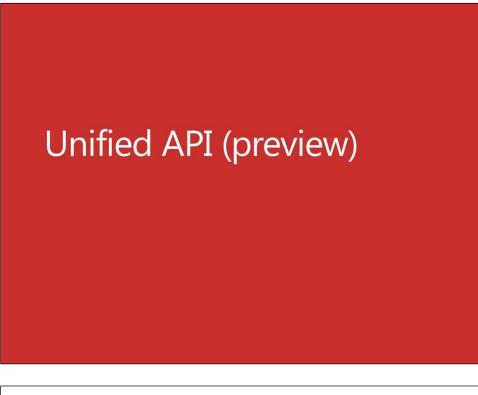
#### 2.4 OFFICE 365 APPS VS SHAREPOINT APPS



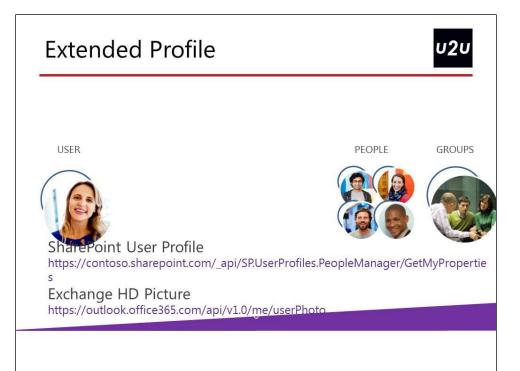


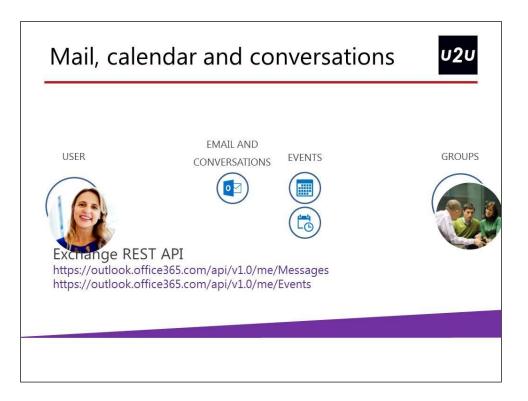


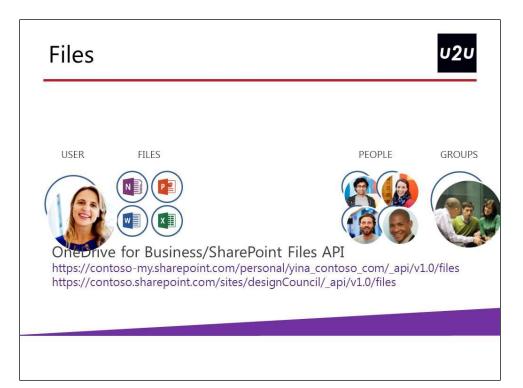
#### 2.5 UNIFIED API

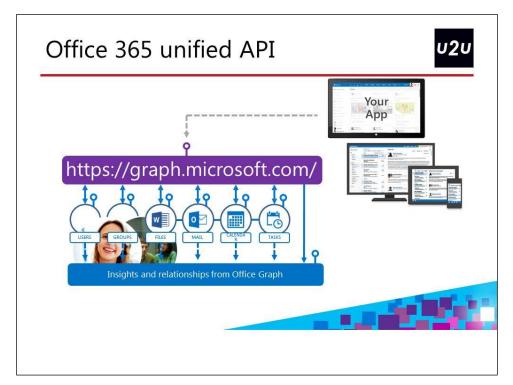


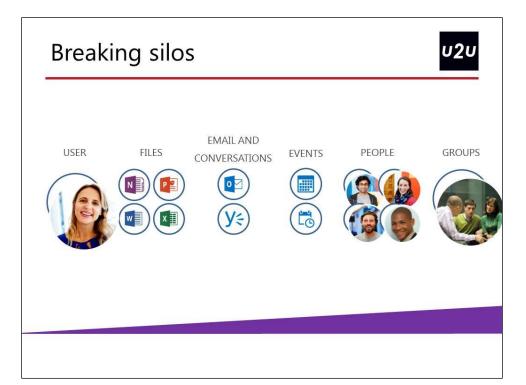




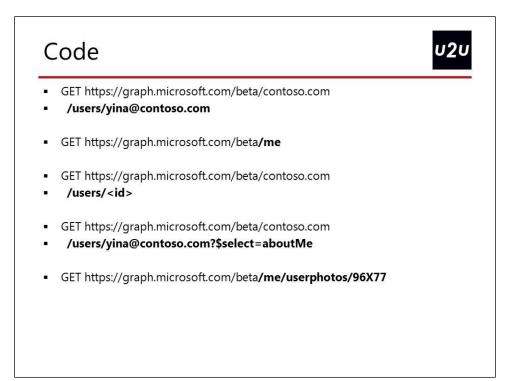


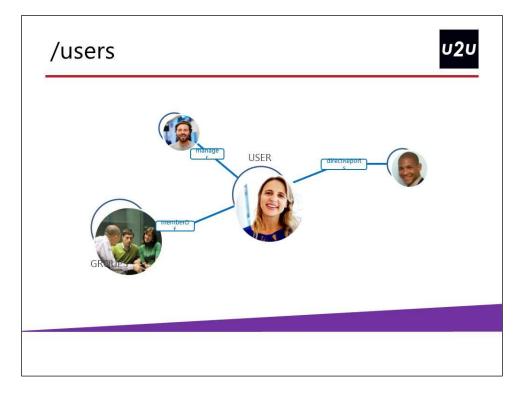


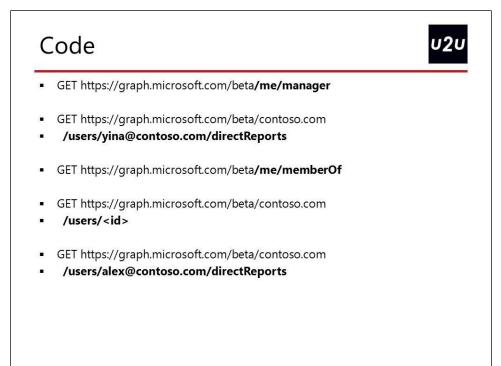


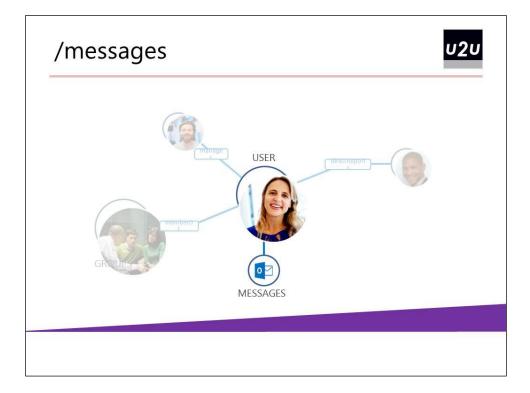


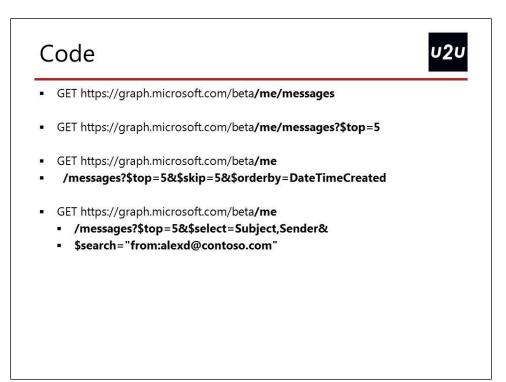
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USER		

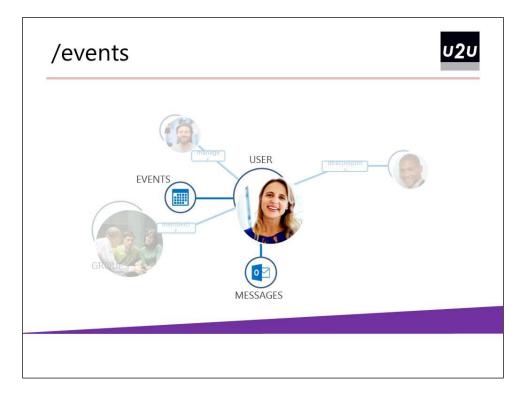


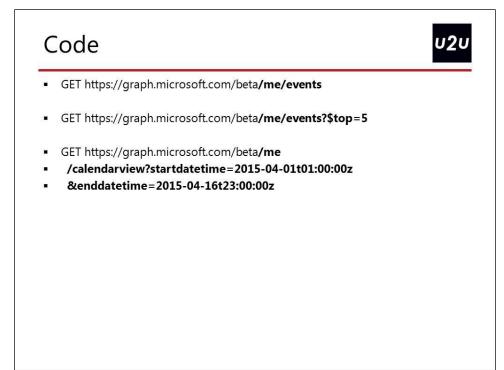


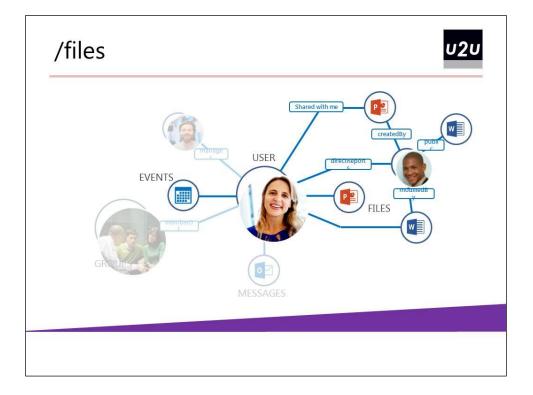


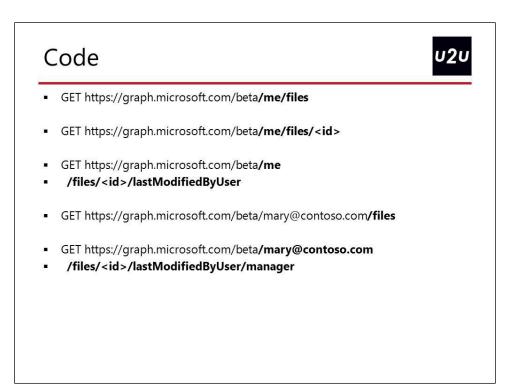


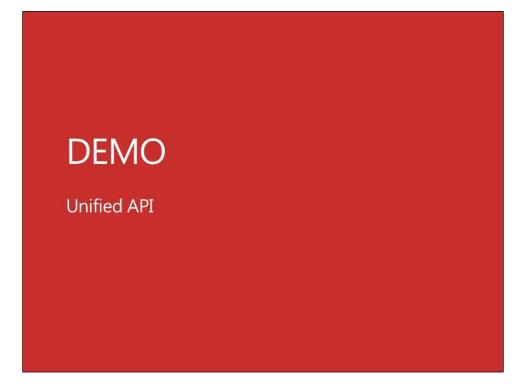




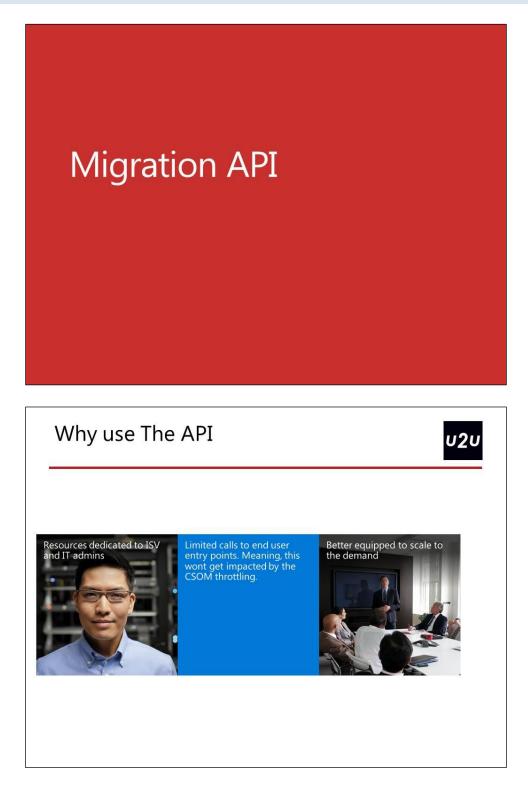


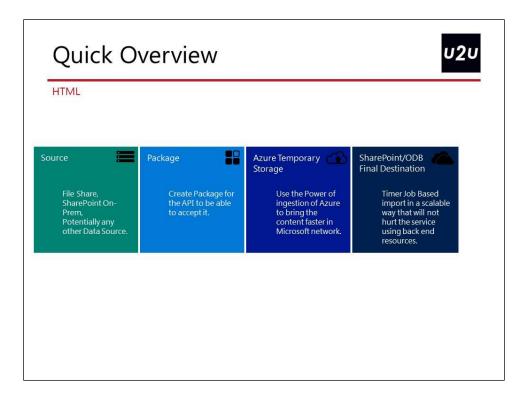


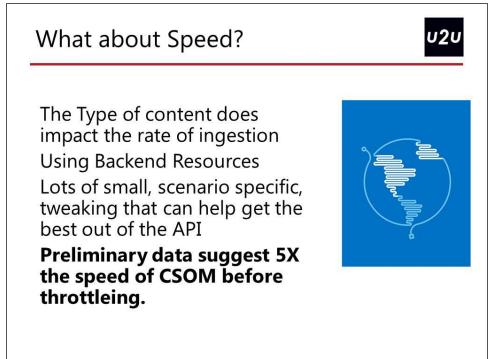




#### 2.6 SHAREPOINT ONLINE MIGRATION API







### The Flow

#### HTML

- 1. The package is created
- 2. The package gets uploaded to Azure Blob storage
- 3. 1 CSOM call is made to start the migration process
- 4. The Azure Queue gets real time updates
- 5. Once Complete The logs in the package get updated



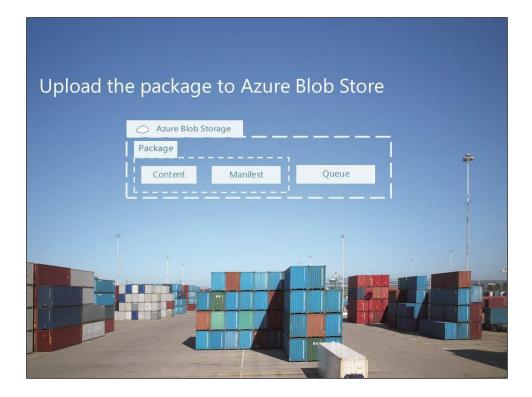
## Create the Package

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#### HTML

Generating the Appropriate XML to go with the Files Resemble a lot to the PRIME package 8 xml in a package + the Content





### One CSOM request to start the migration **U2U**

- [ClientNS.ClientCallableMethod]
- public Guid CreateMigrationJob(
- Guid gWebId,
- string azureContainerSourceUri,
- string azureContainerManifestUri,
- string azureQueueReportUri)

