CLOUD STORAGE WITH "ONEDRIVE"

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http://aztcs.org
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SUMMARY
You can use "OneDrive" cloud storage to protect yourself from losing data files and photo files to human error, software glitches, and hard drive crashes. You can use "OneDrive" to store, view, and create files on multiple computers, cell phones, and tablets.
TOPICS

• A Live Demonstration of "OneDrive" In "Windows 8.1"
• The Big Picture: OneDrive's Server Farms Connect to the Internet Which Connect To Your Computer, Tablet, or Cell Phone
• OneDrive's Server Farms
TOPICS (continued)

• A Short Description and a Report Card For "OneDrive"
• Signing Up For "OneDrive" Cloud Storage
• Two Ways For You To Access Your Data Files and Photos That Are Stored In "OneDrive"
TOPICS (continued)

• "OneDrive for Windows" Versus "OneDrive" Start Screen App In "Windows.."

• Online Editing of Files Stored in "OneDrive"

• Integration Between "Microsoft Office 2013" & "Microsoft 2010" and "OneDrive"
TOPICS (continued)

• Integration Between "Windows 8.1" AND "OneDrive"
Live Demo of Microsoft's OneDrive In "Windows 7"
The Big Picture: OneDrive's Server Farms Connect to the Internet Which Connect To Your Computer, Tablet, and/or Cell Phone
Server Farms Operated by Microsoft Contain Servers for "OneDrive"

Your Computer, Tablet, PDA, or Cell Phone

Web Browser to onedrive.com
No Web browser add-on is provided by "Microsoft" since they use HTML uploads and downloads

"OneDrive for Windows" Desktop Program for "Windows.." or Mac "OS X 10.7+

"OneDrive" Start Screen App" for "Windows 8" and "Windows 8.1"

Internet Connection
Ethernet or WiFi Adapter
Your Computer, Tablet, PDA, or Cell Phone accessing ONEDRIVE

Upload or download single files
Download entire folders as zip files
Cannot upload entire folders

Web Browser to access onedrive.com

No Web browser add-on is provided by "Microsoft" since onedrive.com uses HTML uploads and downloads

"OneDrive for Windows" Desktop Program for Windows Vista, Windows 7, Windows 8, or Mac OS X 10.7+

Use the local "OneDrive" folder to upload or synchronize files or folder.

Upload or or download single files
Cannot upload or download entire folders

"OneDrive App" for "Windows 8" (for the "Start Screen")
OneDrive's Server Farms
OneDrive's Server Farms

- 1+ million servers for Microsoft services such as "OneDrive", "Bing", "Outlook.com", "Skype", "Xbox", according to Steve Ballmer. See http://www.extremetech.com/extreme/161772-microsoft-now-has-one-million-servers-less-than-google-but-more-than-amazon-says-ballmer
OneDrive's Server Farms

• $15 billion+ spent to build server farms worldwide according to "Wired: magazine. See http://www.wired.com/2013/02/microsofts-data-center/
OneDrive's Server Farms (continued)

- Server farms located in Santa Clara, California
  Chicago (Northlake), Illinois
  West Des Moines, Iowa
  San Antonio, Texas
  Boydton, Virginia
  Ashburn, Virginia
  Quincy, Washington
  Dublin, Ireland
OneDrive's Server Farms

• "OneDrive" has geo-redundancy: All data files and folders that you store at the OneDrive's server farms will be stored in at least two locations for redundancy.
FY10 MS Online Data Centers and Markets

- Data Center location will be based on ship-to address during the purchase process.
- Data will reside in 2 Data Centers to provide redundancy.

**Current market**

**Coming in April 2010**

- Virginia with backup in Washington+
  1. United States
  2. Canada
  3. Mexico
  4. Puerto Rico
  5. Brazil+
  6. Chile+
  7. Colombia

In FY11 we will launch a co-lo in Brazil that will serve Brazil, Chile, and some other LATAM countries. Until then Brazil and Chile will use Virginia which has acceptable latency rates.

- Dublin with backup in Amsterdam
  1. Austria
  2. Belgium
  3. Czech Republic
  4. Denmark
  5. Finland
  6. France
  7. Germany
  8. Greece
  9. Hungary
  10. Ireland
  11. Italy
  12. Ireland
  13. Israel
  14. Netherlands
  15. Norway
  16. Poland
  17. Portugal
  18. Romania
  19. Spain
  20. Sweden
  21. Switzerland
  22. UK

Singapore with backup in Hong Kong++

1. Australia
2. Hong Kong
3. India (sales in Nov ‘09)
4. Japan
5. Malaysia
6. New Zealand
7. Singapore (sales in Nov ‘09)
8. South Korea (sales July ‘10)
9. Taiwan (sales July ‘10)

++ Hong Kong will go-live in Oct 2009. APAC data will be backed up in the US until then.

Microsoft
An aerial view of the Microsoft data center in Quincy, Washington

After years of operating in third-party facilities, Microsoft began building its own data centers in 2007 as it ramped up its battle with Google in the online services arena. Its first in-house project was a huge data center in the small Washington town of Quincy, where Microsoft invested $550 million in building a 470,000 square foot data center supported by hydro-electric power from nearby dams on the Columbia River. A year later it unveiled a
An aerial view of the 470,000 square foot Microsoft data center in San Antonio.
6. MICROSOFT DATA CENTER, DUBLIN, 550,000 SF
5. MICROSOFT CHICAGO DATA CENTER, Chicago 700,000 SF
A Short Description and a Report Card for "OneDrive"
A SHORT DESCRIPTION AND..

- http://onedrive.com
- Known as "SkyDrive" until February 2014 after legal action by BSkyB company
- Bundled with "Windows 8.1"
- Probably bundled with the emerging "Windows 9"
Has a "Fetch from PC" feature that lets you access the files remotely from any Internet-connected "Web Browser" but it only works for the "OneDrive for Windows" desktop application so "Fetch from PC" only works for "Windows Vista", "Windows 7", and "Windows 8" (not for Windows 8.1).
<table>
<thead>
<tr>
<th>Feature</th>
<th>Onedrive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount of Free Storage?</td>
<td>15 Gigabytes</td>
</tr>
<tr>
<td>Upload and Download Entire Folders? (Not as Good as &quot;Google Docs&quot; and &quot;Box&quot;)</td>
<td>Yes: you can upload entire data folders with &quot;Windows Explorer&quot; if the &quot;OneDrive Desktop Desktop App for &quot;Windows&quot; or the &quot;OneDrive&quot; Start Screen app is installed. You can download entire folders as zip files when you access onedrive.com with a Web browser.</td>
</tr>
<tr>
<td>Store Photo Files?</td>
<td>Yes</td>
</tr>
<tr>
<td>Online Creation, View, and Edit of Document Files?</td>
<td>Yes</td>
</tr>
<tr>
<td>&quot;Windows Store App&quot; for use in the &quot;Start&quot; Screen of &quot;Windows 8&quot; and &quot;Windows 8.1&quot;?</td>
<td>Yes</td>
</tr>
</tbody>
</table>
To compare "OneDrive" to other similar cloud storage services, go to
http://en.wikipedia.org/wiki/Comparison_of_online_backup_services
Signing Up For Storage Space In "OneDrive"
One place for everything in your life
Easily store and share photos, videos, documents, and more — anywhere, on any device, free. Plus, get 15 GB when you sign up.

15 GB free

Sign In  Sign Up
Signing Up For Storage Space In "OneDrive"
SIGNING UP FOR STORAGE SPACE IN "ONEDRIVE"

- If you already have any type of Microsoft account, you can use it to sign into "OneDrive" by using a Web browser to go to http://onedrive.live.com
SIGNING UP FOR STORAGE SPACE IN "ONEDRIVE"

- Your existing "Office Online", "Windows Phone", "Surface" tablet, "Xbox", "Bing", "Outlook.com", or "Microsoft Store" account can be used to sign into your "OneDrive" account.
One place for everything in your life
Easily store and share photos, videos, documents, and more — anywhere, on any device, free. Plus, get 15 GB when you sign up.

15 GB free

Sign In  Sign Up
SIGNING UP FOR STORAGE SPACE IN "ONEDRIVE"

- If do not already have any type of Microsoft account, you can click on the "Sign Up" button at this same Web page.
- The "Username" for your "Microsoft Account" has to be a new or existing email address.
Sign in with your Microsoft account

Don’t have a Microsoft account? Sign up now

One place for everything in your life

Microsoft account What’s this?
someone@example.com

Password

☐ Keep me signed in

Sign in

Can’t access your account?
Sign in with a single-use code

Don’t have a Microsoft account? Sign up now
Two Ways To Access The Your Storage Space In "OneDrive"
TWO WAYS TO ACCESS YOUR STORAGE SPACE IN "ONEDRIVE"

○ Method 1: Using a Web browser such as "Internet Explorer", "Firefox", or "Chrome browser"

○ Method 2: Using a "OneDrive.." application program or an "OneDrive" Start Screen app
"ONEDRIVE FOR WINDOWS" DESKTOP PROGRAM ALLOWS UPLOADS OF LOCAL FOLDERS AND FILES TO THE "ONEDRIVE" SERVER FARM BY USING "WINDOWS EXPLORER" TO DRAG FOLDERS AND FILES TO C:\Users\<User Profile>\OneDrive\
Storage Plans for "OneDrive"

• See
OneDrive (continued)

- Collaboration with File Versioning

"OneDrive" lets you share files with others. You can give them the ability to edit the files using "Office Online". If you do so, "OneDrive" will keep versions of the files that others edit so that you can see what changes they have made to a file.
OneDrive (continued)

• Privacy Issues with OneDrive

See

http://www.pcworld.com/article/2013809/windows-8-deep-dive-get-to-know-your-onedrive-app.html
Also, don't forget that everything you store on SkyDrive is subject to the Code of Conduct for Microsoft services, and that you can have your Microsoft account suspended for uploading anything that Microsoft believes to be in breach of that code. Microsoft frowns upon (among other things) material that depicts full or partial nudity, vulgarity, and gratuitous violence. Your SkyDrive account will be monitored for potential violations, and if Microsoft chooses to suspend your account, you will lose access to everything tied to your Microsoft account. That includes (but is not limited to) your SkyDrive account, your Xbox Live account, and the Windows Store.
OneDrive (continued)

• Privacy Issues with OneDrive
See Microsoft's "Code of Conduct" at