SLIM Applications

SLIM Companion™ Explorer 3.0.3.0 Release Notes

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1. Introduction

SLIM Companion Explorer is a browser-based tool that mimics File Explorer and allows users to access SharePoint using an intuitive and efficient interface.

2. About SLIM Companion Explorer

SLIM Companion Explorer accelerates and enriches SharePoint.

Explorer increases user productivity and allows users to migrate content to or from SharePoint using a browser. It also provides a simple integration with Outlook or other mail clients. The tool supports multiple browsers and is very easy to deploy since it does not require any change to SharePoint or the user's computer.

Throughout this document SharePoint is used to refer to SharePoint Online, OneDrive for Business, SharePoint 2013, SharePoint 2016, SharePoint 2019, and SharePoint Server SE.

3. Supported Environments

This section provides information on the supported environments. SLIM Companion Explorer is a browser-based application and does not require installation of software on SharePoint or the user's computer.

3.1. Supported Client Operating Systems / Browsers

SLIM Companion Explorer is supported on the following client operating system and browser combinations (latest release and preceding release).

Client Operating System	Chrome	Opera	FireFox	Edge	Safari
Windows 8	✓	✓	✓	N/A	N/A
Windows 8.1	✓	✓	✓	N/A	N/A
Windows 10	✓	✓	✓	✓	N/A
Windows 11	✓	✓	✓	✓	N/A
macOS 10.10 and up	✓	✓	✓	✓	✓
iPadOS 14* and up	✓	**N/A**	✓	✓	✓

Client Operating System / browser combinations not listed have not been tested and are not supported.
*This entails basic functionality of the tool to browse through sites and libraries and upload documents/photos with metadata extraction. Several UI improvements for iPad are planned for the next major release.

3.2. Supported SharePoint / Office 365 applications

The following SharePoint / OneDrive for Business versions are supported.

Versions	Supported	Notes
SharePoint Online (Office 365)	✓	
OneDrive for Business	✓	
Teams	✓	Show Explorer in a separate Teams tab
SharePoint 2013	✓	
SharePoint 2016	✓	
SharePoint 2019	✓	
SharePoint Server SE	✓	

SharePoint versions/ Office 365 applications not listed have not been tested and are not supported.

3.3. Internationalization

SLIM Companion Explorer supports multiple languages by using an embedded resource file. The following locales are available:

en-US
fr-CA
nl-NL

en-GB
fr-BE
nl-BE
de-DE

Please let us know if your locale is not listed via info@slimapplications.com

4. Releases

This section provides an overview of the new features and bug fixes per release.

4.1. Feature release (3.0.3.0)

1. Support for showing the SharePoint Recycle Bin in the Explorer tree. It is off by default. To enable it, add this line to properties.txt:
   SHOWRECYCLEBIN,key,true
   This feature allows browsing, restoring and downloading deleted items from Explorer without opening the SharePoint Recycle Bin page.
2. Support for showing the site's Preservation Hold Library in the Explorer tree. It is off by default. To enable it, add this line to properties.txt:
   SHOWPHL,key,true
   SharePoint creates this hidden library when retention or an eDiscovery hold applies to the site and content is first edited or deleted. The feature allows opening of that library from Explorer instead of building the PreservationHoldLibrary URL manually. The library is intended for site collection administrators, not everyday users. It stays hidden unless SHOWPHL is set to true.
3. Added additional search scope
   - This folder
   The "This folder" search scope will only search in the current folder and not in subfolders.

4.2.Bug release (3.0.2.0)

1. Fix bug with clearing the viewing of pdf files when AUTOMATICPREVIEWEXTENSIONS is not used.

4.3.Feature and bug release (3.0.1.0)

1. Search Scope Support.
   This optional feature allows users to limit their search to a specific area in SharePoint. Users can choose from the following search scopes:
   - From here
   - Current Library
   - Current Site
   - All Sites

   The presence of the search scope dropdown can be controlled using the SHOWSCOPEMENU property. To show the menu add the following line to the properties.txt file
   SHOWSCOPEMENU,key,true
   By default the dropdown is not visible.
2. Fix bug with checkboxes to keep row heights limited.
3. Fix bug with uploading binary Office files being flagged as incomplete.
4. Fix bug with executing duplicate search request when using the search form (only affects SharePoint Online).

5. Minor changes:
   - hide the field “Enter a URL to your site” which is only shown when the drop-down list with all accessible sites is shown.
   - show icons in the search result window to copy the path or the location to the clipboard.
   - several cosmetic changes search result window.

4.4.Bug release (3.0.0.0)

1. Support for the updated Microsoft SharePoint Online Content Security Policy (CSP).
2. Minor fixes:
   - increase the table width in the right-hand pane for using “Properties” or “Edit Properties”
   - fixed an issue where hovering over a document would cause problems during uploads
   - allow direct viewing of mov files in the thumbnail view
   - fix bug preventing the viewing of the document properties in a pdf file
   - fix bug with the position of the image details pane when hovering over a marker in the Google Maps pane
   - improved showing/hiding of the image details pane when hovering over markers in the Google Maps pane

4.5.Bug release (2.9.2.0)

1. Fix bugs affecting folders and document names containing special characters like ß, ä, ö, ü, Ä, Ö and Ü.

4.6.Feature and bug release (2.9.1.0)

1. Support for viewing document thumbnails in the right-hand pane by hovering over a document name (SharePoint Online only)
   This optional feature is disabled by default.
   Use the AUTOMATICPREVIEWEXTENSIONS property to define which file extensions should automatically show a preview. For example:
   AUTOMATICPREVIEWEXTENSIONS,key,pdf:docx:xlsx:pptx:jpg:heic:heif:mp4:mov:dwg:dng

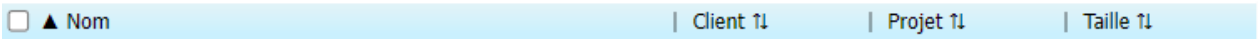
   You can control the thumbnail size using the AUTOMATICPREVIEWSIZE property. For example:
   AUTOMATICPREVIEWSIZE,key,2
   Thumbnail size values:
   0 → 176×176 pixels
   1 → 300×300 pixels
   2 → 600×600 pixels
   This feature helps users quickly identify the document they need without downloading each file individually.

2. Support for the locale de-DE.

4.7.Feature and bug release (2.9.0.0)

1. Support for Document Sets:
   - create a new Document Set using the right-click context menu of folders and libraries
   - edit Document Set properties (e.g., set values for Shared Columns) using the right-click context menu “Edit Properties”
   - filter search results by type equal to Document Set (similar to folder, Word, pdf, ...)
   - clicking on a Document Set in the search result list opens the Document Set in the Explorer tree
   - updated the Document Set icon to match the icon used in the SharePoint modern view
   - update the sorting of search results by type: folders first, followed by Document Sets, and then documents
2. Support for localised custom column names.
   Use multiple entries in the property DYNAMICCOLUMNLABELS separated by / characters and precede each entry by the 2-letter language in capitals followed by a= character. For example, *DYNAMICCOLUMNLABELS,key,EN=Customer/NL=Klant/FR=Client:EN=Project/NL=Project/FR=Project:EN=Size/NL=Grootte/FR=Taille*

   For the locale FR this shows the header as

   Note #1: the use of : character remains the same and separates the different custom columns.
   Note #2: the localised column names are also shown under “Properties” and “Edit Properties”
3. Support for the locales fr-BE and nl-BE.
4. Fix bug with selecting item(s) in the root of the standard SharePoint page, opening “Explorer” resulting in the item(s) not being selected on SharePoint Server SE.
5. Fixed an issue with filtering by type = Folder in non-English locales.
6. Fixed bug showing a partial collapse icon ⊓ instead of the full icon ⊟ when switching locales.

4.8.Feature and bug release (2.8.5.0)

1. Enhanced File Size Consistency Check for Non-Promoted File Types
   The file size consistency check has been updated for file types not affected by property promotion, such as .jpg, .pdf, and similar formats. Previously, the uploaded file was required to be at least 99% of the original file size to pass validation. With the enhanced check, the uploaded file must now have a file size identical to the original to ensure consistency.
   Note: file types affected by property promotion are: .docx, .xlsx, .pptx, .msg, and .tiff.
2. Minor changes:
   - include the forward slash “/” as an illegal character for uploading files to SharePoint Online.
   - allow the user to change the “Maximum parallel requests” under Settings > SharePoint settings
     Note: the changed value is only available during the current session. Closing Explorer and starting Explorer will use the default value set by your administrator.
   - replace occurrences of \” like \”Proceed\” in the labels by ‘ characters (e.g., ‘Proceed’)

- skip uploading ._.DS_Store files
- automatically remove trailing spaces in the properties.txt file properties

4.9.Bug release (2.8.4.1)

1. Fix bug affecting the opening of Explorer on SharePoint 2016.

4.10.Feature and bug release (2.8.4.0)

1. Selecting multiple items and clicking “Edit Properties” and “Edit GPS Properties” will keep the items selected in the Explorer tree
2. Clicking the “Cancel” link in the “Edit Properties” pane will clear the pane and clear the selected item(s) in the Explorer tree.
3. Selecting item(s) in the standard SharePoint page and opening “Explorer” will mark the selected item(s) with an amber background. Not available on SharePoint 2016.
4. Fix bug with selecting item(s) in the root of the standard SharePoint page, opening “Explorer” resulting in the item(s) not being selected.
   Fix bug with right-clicking on an item’s modify date or size opens the browser’s context menu instead of the Explorer’s right-click menu.

4.11.Bug release (2.8.3.0)

1. Fix bug affecting the automatic mapping of the original document modification date to the SharePoint modification date on SharePoint 2016.

4.12.Feature release (2.8.2.0)

1. Support for switching between different languages (e.g., FR|EN).
   The languages shown are controlled by the property LocaleValues. For example, to show both FR and EN add the following line to the properties.txt file
   LocaleValues,key,FR=fr-CA:EN=en-US
   Note: contact info@slimapplications.com for a list with available language packs

4.13.Feature release (2.8.1.0)

1. Support localization via language packs (e.g., fr-CA).
   Note #1: the internal document properties like “Modification Time” that are shown under right-click option “Properties” are shown in English.
   Note #2: the questions and answers shown under the optional “Help” menu option are shown in English.

4.14.Feature release (2.8.0.0)

1. Support for bulk editing properties.
2. Selecting items in the standard SharePoint page and opening Explorer via the button in the ribbon will automatically select the same items in the Explorer tree.
3. Updates to the properties pane:
   - system properties like Name, URL, … are shown at the top followed by custom columns
   - custom columns are shown in the same order as in SharePoint
   - additional buttons to clear the value of choice (drop-down and radio) and date/time fields.
4. Minor changes:
   - show cursor when hovering over the “Save” and “Cancel” links in the “Edit properties” window.

4.15.Feature release (2.7.5.2)

1. Support for exposing file properties of type date in UTC. Specifically,
   EXIF dates:
   DateTimeUTC
   DateTimeOriginalUTC
   DateTimeDigitizedUTC
   GPSDateTimeStampUTC

   IPTC dates:
   Date Created UTC
   Time Created UTC

   XMP dates:
   xmp:ModifyDateUTC
   xmp:MetadataDateUTC
   xmp:CreateDateUTC
   xap:ModifyDateUTC
   xap:MetadataDateUTC
   xap:CreateDateUTC
   photoshop:DateCreatedUTC

   The above date fields ending with UTC contain the original date values converted to UTC using the time zone information (like +02:00) or the offset time property in the file. The UTC fields are only available if the original date contains time zone information (like +02:00) or when the offset time is available. GPSDateTimeStampUTC combines the GPSDateStamp and GPSTimeStamp values if both values are present.
2. Upload “Modified” (and “Created”) date fields as UTC (SharePoint Online only)
   Note: the original Modified date for a document is automatically converted to UTC. For example, a document with modified date 12:02 PM (UTC+01:00) is uploaded with a modified date of 11:02 AM UTC.

3. Minor changes:
   - added 3x additional EXIF labels:
   OriginalDefaultFinalSize, OriginalBestQualityFinalSize and OriginalDefaultCropSize

4.16.Feature and bug release (2.7.5.1)

1. Support for extracting GPS EXIF properties (e.g., GPS Latitude) from CR2 files and saving the values into SharePoint columns.
2. Support for viewing jfif thumbnails in Google Maps.
3. Support for viewing CR2 thumbnails in Google Maps (SharePoint Online only).
4. The property *ALLOWEDSTARTFOLDERS* introduced in Explorer 2.7.5.0 has been renamed to *ALLOWEDSTARTLOCATIONS and can be used for all supported start parameters (startsite, starturl, startfolder and startfolderexclusive).*
5. Restrict use of Explorer with a startsite, starturl, startfolder or startfolderexclusive parameter. This is controlled via the property *REQUIREDSTARTPROPERTY*. For example, *REQUIREDSTARTLOCATION,key,true*
   In combination with the property *ALLOWEDSTARTLOCATIONS* this allows for restricting the use of Explorer to selected sites, libraries or folders.
6. Updated the functionality of the "Exit" button (at the top right of the Explorer page) which closes the Explorer app. This "Exit" button will use the following order of precedence (high to low):
   1. Open SharePoint with the value of the start parameter value if available.
   2. Open SharePoint in the SharePoint location before initiating Explorer (i.e. started via the "Explorer" button of the SPFx app).
   3. Open SharePoint in the last folder/library used in Explorer.
7. Minor changes:
   - added 6x additional EXIF labels which may be present in cr2 files:
   CR2CFAPattern, RawImageSegmentation, SRawType, ScaleFactor35efl, SharpnessPortrait and FileUniversalUniqueIdentifier.
   - add additional vertical space at the end of the properties pane to ensure all properties are visible.

4.17.Feature and bug release (2.7.5.0)

1. Support for jfif files. This feature allows for:
   - extracting properties during uploading of jfif files and save the values into SharePoint columns
   - viewing the properties present in jfif files stored in SharePoint
   - viewing jfif files by clicking the name
   - viewing jfif files as thumbnails (SharePoint Online only)
2. Support for CR2 files. This feature allows for:
   - extracting EXIF properties during uploading of CR2 files and save the values into SharePoint columns
   - viewing the EXIF properties present in CR2 files stored in SharePoint
   - viewing CR2 files by clicking the name (SharePoint Online only)
   - viewing CR2 files as thumbnails (SharePoint Online only)

3. Fix bug extracting the EXIF GPSVersionID value.
   The value read (e.g., 2300) is extracted as “2.3.0.0”.
4. Minor changes:
   - granular control of the page menu options. For example, to only show the “About” and “Exit” menu options at the top of the page use property HEADERMENU in the properties.txt file.
   HEADERMENU,key,About:Exit
   See section 3.1 in the Administrator Guide for further details.
   - limit the use of the “startfolder” and “startfolderexclusive” parameters to selected URL’s.
   This is controlled by the optional property ALLOWEDSTARTFOLDERS. For example, to restrict the use of the parameter to a single folder add the following line to the properties.txt file
   ALLOWEDSTARTFOLDERS,key,
   https://ikapaholding.sharepoint.com/sites/QA15/DocumentLibraryLocation/2.7.5.0
   See Appendix AL in the Administrator Guide for further details.
   - properly scale the height of the right-click context menu white background

4.18.Feature release (2.7.4.0)

1. Support for starting Explorer in a specific folder by using the parameter “startfolderexclusive” with an absolute link to a folder and hiding all other folders. For example,
   ?startfolderexclusive=https://ikapa.sharepoint.com/sites/NL/DocumentLibraryPDF/AAA/BBB/CCC/DDD
   See section 2.10 in the Administrator Guide for further details. Opening of SharePoint at a specific site, library or folder is mainly used on SharePoint 2016 farms where an SPFx App is not available.

4.19.Feature release (2.7.3.0)

1. Support for starting Explorer in a specific folder by using the parameter “startfolder” with an absolute link to a folder. For example,
   ?startfolder=https://ikapa.sharepoint.com/sites/NL/DocumentLibraryPDF/AAA/BBB/CCC/DDD
   See section 2.10 in the Administrator Guide for further details. Opening of SharePoint at a specific site, library or folder is mainly used for SharePoint 2016 where an SPFx App is not available.

4.20.Feature and bug release (2.7.2.0)

1. Fix bug with uploading large files (e.g., exceeding 100 MB) using the optional “Upload” button.
   Note: this bug does not surface when using drag and drop to upload large files.
2. Support for extracting GPS location details from mov files recorded using iPhones.
3. Support for extracting GPS location details from png files.

4. Support for selecting a value for a Choice field displayed using radio buttons by using an additional search field. The search field is available when uploading new items and when using the right-click “Edit properties” option.
   Enter a letter or word to find all occurrences in the set of radio buttons. Use the down and up arrows to navigate to the previous or next radio button.
5. Minor changes:
   - fix bug incorrectly showing a warning about an incorrect modified date when the modified date is extracted from document properties (e.g., DateTimeTaken). The reported error was incorrectly shown because the SharePoint modified date was correctly extracted from the document properties.
   - fix bug showing “GPS Altitude” as NaN when the altitude value is not present
   - fix bug extracting GPS Latitude / GPS Longitude / Altitude values with + or / characters and leading 0’s
   - fix bug that results in hiding the “Upload folder” and “Upload files” files when an upload request is cancelled
   - reduce top and bottom spaces for the right-click menu (cosmetic change)

4.21.Feature and bug release (2.7.1.0)

1. Support for using Explorer on SharePoint 2016 without having access to the root site.
2. Fix bug preventing the opening of Explorer using the full width of the browser window.
   This requires an update of the Explorer App (sppkg file).
3. Minor changes:
   - retrieve Google Maps key using loading=async

4.22.Feature and bug release (2.7.0.0)

1. Simplify the use of drop-down menu with many options by adding an additional search field. This feature is available for columns of type “Lookup” and “Choice” configured as drop-down menu.
   Enter part of the word to find all occurrences in the drop-down menu. Use the down and up arrows to navigate to the previous or next option.
2. Use Google Advanced Markers. This has multiple advantages:
   - much faster to render than previous Google markers
   - move a pin when editing GPS coordinates
   - move a pin when uploading new items and specifying the GPS coordinates by clicking “Use map”
   Note: this change only affects tenants that use Google Maps integration.
   This requires configuration of a mapID in the Google Maps administration pages and adding a separate line to the properties.txt file with the map ID (“Explorer Map” in the example below)
   GOOGLEMAPSID,key,Explorer Map

3. Support for viewing all files in a folder or library using Google Maps.
   To use this feature add "ViewInGoogleMaps" to the existing property INCLUDEDFOLDEROPTIONS (or INCLUDEDLIBRARYOPTIONS). For example,
   INCLUDEDFOLDEROPTIONS,key,…:ViewInGoogleMaps:…
   Note: this will only select files which are present in the selected folder or library. It will not recursively select files from subfolders. This feature has been added to our backlog.
4. Fix a bug with the conversion of GPS coordinates in degrees to decimal values. This may have resulted in small rounding errors.
5. Fix bug that may have affected the positioning of files on a Google Map.
   The file would be displayed at the resolved address location instead of the actual location. This may have resulted in a slight offset of the marker.
6. Fix intermittent bug with viewing documents with the same GPS coordinates in Google Maps using the "*previous*" and "*next*" links.
7. Fix a bug with using "Use map" and mapped latitude / longitude (via EDITGPSLATITUDEDD and EDITGPSLONGITUDEDD) that would not capture the values for the latitude and longitude into SharePoint columns.
8. Minor changes:
   - limit the number of decimal values for GPS coordinates in decimal degree notation to 6[1]
   - show the file preview and details in Google Maps at the tip of the pin
   - hovering over a pin in a Google Map shows a thumbnail and the document properties.
     This circumvents opening the full document using "View document" to view the properties
   - list the number of files being displayed in a Google Map and the number of failed files
   - automatically show the selected option in a drop-down menu with many options

4.23.Bug release (2.6.7.0)

1. Fix bug affecting the use of the parameter startsite on SharePoint 2016 system to open Explorer with a specified site.

4.24.Feature and bug release (2.6.6.0)

1. Using "Edit in App" for non-Office files (e.g., pdf, dwg, …) will automatically check out the file. Uploading the locally edited file will also automatically check in the file.
2. Support for SharePoint Server SE.
3. Fix bug showing the created date instead of the modified date for the most recent version under the right-click menu option "Versions".

[1] same as Google Maps

4.25.Feature release (2.6.5.0)

1. Support for using Nitro Pro or Nitro Pro Business.
   The optional "Edit in Nitro Pro" option in the right-click menu for pdf files allows for editing pdf files in SharePoint using Nitro Pro or Nitro Pro Business. This is like the "Edit in Nitro Pro" option that is present in the SharePoint Modern View after installing the Nitro Pro SPFx app.
   Changes to the pdf file are saved to SharePoint.
   Add "EditInNitroPro" to the INCLUDEDDOCUMENTOPTIONS property. For example,
   *INCLUDEDDOCUMENTOPTIONS,key,Preview:…:**EditInNitroPro**: …:Properties*
   The configuration of the client computer (registry setting) and installation of the Nitro Pro (Business) application are a prerequisite.
2. Support for mapping content types to file extensions. For example, to automatically assign the content type "Email" to msg and eml files, the content type "Office" to docx, xlsx and pptx files, and dwg files to the content type "Drawing" add the following lines to the properties.txt file
   MAPPEDCONTENTTYPE,key,Email:eml:msg
   MAPPEDCONTENTTYPE,key,Office:docx:xlsx:pptx
   MAPPEDCONTENTTYPE,key,Drawing:dwg
   Note: if the content types do not exist the drop-down list with available Content Types will be shown.
3. Improved indication if a required column is empty when uploading files.

4.26.Internal release (2.6.4.0)

1. N/A

4.27.Feature release (2.6.3.0)

1. Support for downloading json files on SharePoint 2016 where json downloads are blocked by IIS security settings. Specifically, this allows the use of:
   - right-click menu option "Download"
   - right-click menu option "Download as Zip"
   - view the json file in the browser by clicking on the file name

4.28.Bug release (2.6.2.0)

1. Fix bug affecting the sorting of a custom field (e.g. Longitude) where part of the files do not have the custom field.

4.29.Feature and bug release (2.6.1.0)

1. Mimic Windows Explorer / SharePoint behaviour for selecting and unselecting items. Specifically,
   - clicking on a row selects the item and unselects all other items
   - use CTRL + mouse click to select multiple items

- use CTRL + mouse click on a selected item to deselect the item
- use SHIFT + mouse click to select all items in the range from the previous selected item to the current selected item
- right-click on an item selects the item

Note: a single click on a document name will open the document in the right-hand pane

2. Add feature to show the current GPS location in Google Maps when selecting "Edit GPS Properties".
   Note: if multiple items are selected the GPS coordinates from the 1st item are shown
3. Minor changes:
   - changed the names of the upload buttons to "Upload folder" and "Upload files"
   - clicking "Upload folder" or "Upload files" without selecting a single library or folder as target location will show an error message
   - no automatic closing of the right-click function menu (or submenu)
   - selecting multiple items and then right-clicking on one of the selected items will grey out options that are not available (e.g., "Rename")
4. Fix bug affecting the sorting of custom columns where the custom column (e.g., number) is not present for all items being sorted.
5. Fix bug preventing the use of "Edit GPS Properties" for multiple files.

4.30. Feature and bug release (2.6.0.0)

1. Change in the location for supporting files for Explorer.
   Instead of using https://<tenant>.sharepoint.com/siteassets the supporting files are expected to be in https://<tenant>.sharepoint.com>/sites/explorer/siteassets
   This change allows the use of a single site for hosting both the supporting files and the Office Cache library. It also provides organizations with a simpler way to control access to the Explorer functionality and does not require the users to have access to the /siteassets library in the root of the tenant.
   Note: this change also requires updating the Explorer App (i.e. the sppkg file in the App Catalog and the App deployed to individual sites).
2. Add feature to automatically open Explorer in the same folder location where the Explorer button in the ribbon is clicked.
   This is controlled by the property OPENINCURRENTLOCATION. For example, to enable this feature add the following line to the properties.txt file:
   OPENINCURRENTLOCATION,key,true
   The default value is false.
3. Improved support for users with read-only access:
   - read-only items are marked with an icon (like SharePoint's Modern view)
   - the options in the folder and document function menus (right-click) not available for read-only users are greyed out

- if the initial upload request fails with a 403 response and error code = -2147024891 (i.e. insufficient permissions) then all remaining items are automatically cancelled

4. Add feature to show a button to upload files.
   Clicking the button opens a dialog allowing the user to select one or more files from the file system. The button can be displayed by adding the following line to the properties.txt file:
   SHOWUPLOADBUTTONFILES,key,show
   The default value is "hide" and the button will not be visible.
5. Add feature to show a button to upload a folder.
   Clicking the button opens a dialog allowing the user to select a folder (and nested content) from the file system. The button can be displayed by adding the following line to the properties.txt file:
   SHOWUPLOADBUTTONFOLDERS,key,show
   The default value is "hide" and the button will not be visible.
6. Minor changes:
   - show the number of folders and files selected
     The number is shown when the following line is added to the properties.txt file
     SHOWSELECTEDITEMSCOUNT,key,show
   - highlight row when the checkbox is checked
   - highlight row when the right-click function menu is opened
   - highlight row when clicking in the section of the row following the item name
   - automatically close the right-click function menu after 10 s
   - capture the target folder and error message into the upload log file.
7. Fix bug affecting the sorting of custom columns where the custom column (e.g., Location) is not present for all items.

4.31.Bug release (2.5.10.0)

1. Fix bug extracting GPS coordinates from jpg files using a "Signed Rational" type to store GPS coordinates. Most other jpg files use a "Rational" type.

4.32.Bug release (2.5.9.0)

1. Fix bug extracting GPS coordinates from jpg files using a "Signed Rational" type to store GPS coordinates. Most other jpg files use a "Rational" type.

4.33.Feature and bug release (2.5.8.0)

1. Fix bug with the extraction of EXIF metadata from HEIC files.
2. Support for specifying the blocked file types for SharePoint 2013, SharePoint 2016 and SharePoint 2019 via the properties.txt file. This is controlled by the parameters BLOCKEDFILESSP2013, BLOCKEDFILESSP2016, and BLOCKEDFILESSP2019. For example, use the following parameter for SharePoint 2016 to block users from uploading the specified extensions

via Explorer.
BLOCKEDFILESSP2016,key,ashx:asmx:soap:svc:xamlx

3. Cater for REST API errors on some SharePoint 2016 environments with http status code = 500 when requesting the "ListItemAllFields" details. This is related to the "modifiedby" error described in Explorer 2.4.8.4 and the "CheckedOutByUser" error described in 2.4.8.7.
4. Minor bug fixes:
   - fix bug showing duplicate properties when opening the document's "Properties" menu.

4.34.Feature and bug release (2.5.7.0)

1. Support for capturing the Latitude and Longitude values into separate columns when using the "Edit GPS Properties" functionality to add GPS location details to existing SharePoint documents. See Appendix AG in the Explorer 2.5 Administrator Guide for the required changes to the properties.txt file.
2. Support for DNG files:
   - show image icon
   - view DNG files by clicking the file name in the Explorer tree (Office 365 only)
   - view thumbnail (Office 365 only)€
   - show document properties under the right-click menu "Properties"
   - extract metadata during uploading
   - using search with the image filter also includes DNG files
3. Cater for folders where the SharePoint ContentTypeId is null.
   In theory this should not happen because each folder should have a ContentTypeId.
4. Minor bug fixes:
   - fix bug editing number values via the "Edit Properties" menu when a comma "," is used as a decimal separator.

4.35.Feature and bug release (2.5.6.0)

1. Support for excluding the automatic mapping of the original modify date to the SharePoint Created and SharePoint Modified dates. This is controlled by the parameter "KEEPMODIFYDATE". For example, to use new Created and Modified dates when uploading files use the following parameter:
   KEEPMODIFYDATE,key,false
   Note: the default behaviour is to use the original modify date as the SharePoint Created and SharePoint Modified date.
2. Minor bug fixes:
   - hide the search "Filters" options for SharePoint 2016.

4.36.Feature and bug release (2.5.5.0)

1. Support for extracting metadata from very large mp4/mov files (e.g. 100 MB+) during uploading.

2. Support for retrieving the document properties for large mp4/mov files stored in SharePoint without downloading the entire file.
3. Minor changes:
   - refresh the parent folder after applying Location coordinates to documents.

4.37.Feature and bug release (2.5.4.0)

1. Support for geotagging.
   This feature allows adding Location coordinates to existing SharePoint documents in any file format. To show the option "Edit GPS Properties" in the right-click menu of documents, add the following string to the parameter "*INCLUDEDDOCUMENTOPTIONS*" in the properties.txt file.
   EditGPSProperties
   Note: the "Edit GPS Properties" option will only be displayed if the library has a location column.
2. Minor changes:
   - support for showing Location coordinates as a custom column
   - support for sorting a custom column with Location coordinates
   - the optional parameter "HEADERMENUBACKBUTTON" allows changing the menu option "Back" (at top right of the page).
   - show error message when selecting 100+ items for copying/moving.
   Note: this number does not include the nested contents.
3. Minor bug fixes:
   - hide the "Filter" options for SharePoint 2016.
   - show Location coordinates under Properties as (latitude, longitude) (was longitude, latitude)
   - allow closing of the "View document and properties" dialog window in Google Maps by using the escape (Esc) button on the keyboard
   - increase the height for displaying PDF or Office files using "View document and properties" in Google Maps
   - show cursor when hovering over:
     the sort sequences for the columns
     the + (expand) and – (collapse) icons in the Explorer tree
     the "sort" and "CSV" links in the search result list
   - show the bottom border for the properties of sites and subsites after right-clicking.

4.38.Feature and bug release (2.5.3.0)

1. Fix bug that prevents detection of existing files when the folder path contains #, % or Unicode characters (e.g., ⏳).
2. Inform user when a check for existing files has failed.
3. Support for extracting properties from media files when the GPS location contains / characters.
4. Fix bug that prevents metadata extraction (e.g., Date Time Taken) during uploading when the extracted GPS coordinates are not valid.

5. Support for using the SharePoint document size when testing if a document already exists.
   This is controlled by the parameter *CHECKEXISTINGDOCUMENTSIZE*. For example, to test if a SharePoint document exists and has a size equal or greater than the upload document size add the following line to the properties.txt file:
   CHECKEXISTINGDOCUMENTSIZE,key,true
   The allowed values are *true* and *false* and the default value is *false*.
6. Minor changes:
   - support creation of new folders containing # or % characters
   - support previewing of psd files (SharePoint Online only)
   - fix bug previewing of rtf files when using Previous / Next
   - fix bug previewing of bat, html, log, xsd and json files when using the Explorer tree
   - fix bug not displaying the previous/next links for tiff, heic and psd files
   - show error message under the i icon when a folder already exists
7. Minor changes to the thumbnail view: (SharePoint Online only)
   - show txt and log files in the browser after clicking on a thumbnail
   - show xml, xsl and xsd files in the browser after clicking on a thumbnail

4.39.Feature and bug release (2.5.2.0)

1. Automatically select the checkbox to skip existing items, i.e. the default behaviour is to skip existing items unless the user unselects the checkbox.
2. Fix bug not displaying the “Resume” button when the list with sites is not shown when using the parameter “*HEADERSITES,key,hide*”.
3. Minor bug fixes:
   - avoid showing 3x i icon for failed items
   - remove i icon(s) after clicking “Retry errors”
   - show only the error message when hovering over an i icon (instead of the full error response from SharePoint including the error code, locale, etc…)
4. Show the modified date, library type and total items for libraries.
5. Support for showing the total file count for libraries.
   This is controlled by the parameter *LIBRARYSIZEDISPLAY*. For example, to show the total file count use
   LIBRARYSIZEDISPLAY,key,files
   See Appendix AB in the Administrator Guide.
6. Fix bug affecting assigning GPS coordinates to documents via a Google Map (through the “Use map”).
7. Minor Google Map relates changes:
   - configure how to start Google Maps (e.g., start with satellite view instead of the roadmap view)
   See Appendix AC in the Administrator Guide.
   - start Google Maps showing the entire world (instead of being zoomed in).

4.40.Feature and bug release (2.5.1.0)

1. Support for incremental uploads.
   Explorer checks if folders/documents exist prior to uploading. The user is offered the option to only upload the folders/documents which do not yet exist in SharePoint. This circumvents adding an additional version to documents and greatly improves performance for uploading large data sets. There is also no need to take action to remove the obsolete document versions.
2. Support for overriding a default value for columns when uploading folders/documents.
   This feature can be used in combination with making the column required to force the user to select a value instead of using the default SharePoint value.
3. Fix bug handling large lists in localized SharePoint environments by using the error code.
4. Fix bug affecting the use of “Use map” to assign GPS coordinates to documents via a Google Map.

4.41.Feature and bug release (2.5.0.0)

1. Support for retrying failed requests during uploading.
   If one or more upload requests have failed an additional link “Retry errors” is displayed that allows for retrying to upload the errors.
   Fix bug affecting the extraction of the modification date of documents when simultaneously uploading documents and folders. This bug did not affect documents within the folders; it only affected documents are the “root” level.

4.42.Feature release (2.4.8.7)

1. Cater for REST API errors on SharePoint 2016 with http status code = 500 when requesting the “CheckedOutByUser” field. This is related to the “modifiedby” error described in Explorer 2.4.8.4.

4.43.Bug release (2.4.8.6)

1. Fix bug to cater for REST API errors on SharePoint 2016 with http status code = 500 and error code -2146232832.

4.44.Feature release (2.4.8.5)

1. Support for extracting GPS locations from DJI mp4 files (ISO/IEC 14496-14:2003).

4.45.Feature and bug release (2.4.8.4)

1. Cater for REST API errors on SharePoint 2016 with http status code = 500 and error code -2146232832.
   This error is possibly caused by the deletion of users and as a result the REST query requesting

modifiedby details returns with the above error in selected cases. Explorer will automatically re-issue the original request without requesting the “modifiedby” details to circumvent this error.

2. Several mp4/mov file related changes:
   - show document properties for mov files under the Properties menu
   - support for extracting GPS locations from mov files
   - clicking on the “folder” for an mp4 file (shown as a document set in document libraries) expands the folder to show the actual mp4 file and 2 supporting folders (“Additional Content” and “Preview Images”)
   - show cursor as pointer in the Google Maps marker dialog when hovering over “View document (and properties)”
   - show thumbnail of the mp4/mov/heic files in the Google Maps marker dialog (SharePoint Online only)
   - show mp4/mov files when clicking on “View document (and properties)”

4.46.Bug release (2.4.8.3)

1. Fix bug with excluding columns during uploading.
   This allows for inheriting the folder default values (e.g., project code) when uploading documents to a folder.

4.47.Feature and bug release (2.4.8.2)

1. Support for showing columns of type Lookup as drop-down lists.
2. Support for changing the number of parallel threads via the properties.txt file.
   This is controlled by the parameter PARALLELTHREADS. For example, to use a single parallel thread use:
   PARALLELTHREADS,key,1
3. Support for controlling the overwriting of existing files.
   The parameter AUTOMATICDOCUMENTOVERWRITE controls the behaviour. For example, to prevent adding versions to an existing file use:
   AUTOMATICDOCUMENTOVERWRITE,key,false
   The default value is true and when a file already exists Explorer will add a version. Note: previously this could only be changed via Settings | SharePoint Settings for the duration of the session.
4. Support for excluding selected SharePoint columns when uploading files.
   This allows for using the default column values configured in SharePoint and avoids overwriting the default value with a blank value. For example, to exclude the ProjectCode column use:
   EXCLUDEDCOLUMNS,key,ProjectCode
5. Changes related to document/folder properties:
   - changed the sort order for properties by first showing system properties such as Name, URL, Size, … and the remaining columns are shown in alphabetical order ascending (case insensitive).

- only show columns where the hidden flag is false (e.g., skip columns like “Media Service Fast Metadata” and “Taxonomy Catch All Column”)
- fix bug preventing the displaying of folder properties
- fix bug showing the index values (e.g., ;#4) of lookup columns when multiple values are allowed
- fix bug showing the index value for lookup columns instead of the actual value
- fix bug showing the values of Image tags columns without index (e.g., ;#)

4.48.Feature release (2.4.8.1)

1. Support for extracting EXIF metadata from heic files.
   For instance, Date Time Taken, GPS Location, …
   Note: other metadata schemes such as XMP, ICC and IPTC are not yet supported. This is planned for future releases.

4.49.Feature and bug release (2.4.8.0)

1. Fix bug affecting opening folders and emails listed in the search result list.
2. Minor changes to the search result list:
   - show document sizes
   - truncate length of the “modified by” and show full value when hovering over the item
   - show cursor as pointer for “open location”
   - show cursor as pointer for “Filters”
   - include document size into the exported CSV file with search results

4.50.Bug release (2.4.7.0)

1. Extract Sent Date and Received Date from msg emails accepting meeting invitation.
2. Show the MessageClass (e.g., IPM.Note for emails, IPM.Schedule.Meeting.Resp for emails accepting a meeting) in the email’s properties section.

4.51.Bug and feature release (2.4.6.0)

1. Support for eml emails containing LFs instead of CRLFs.
2. Fix bug with eml emails containing sections with Content-Type = “text/calendar”.
3. Improvements to automatically change the search scope:
   - unselecting all items changes the scope to “Search All”
   - unselecting items and leaving 1 item selected changes the search scope to that item
   - selecting multiple items changes the search scope to the last selected item

4.52.Bug and feature release (2.4.5.0)

1. Support for opening Explorer without retrieving a list with accessible sites.
   In very large environments with 10000's of accessible sites the retrieval of the sites results in a very slow startup of the tool. The behavior is controlled by the parameter RETRIEVESITES with values true or false. The default value is to retrieve the list with sites. To skip the retrieval of the list with sites add the following line to the properties.txt file
   RETRIEVESITES,key,false
   Note: subsites in the current site are still listed in the Explorer tree.
2. Fix bug with "properties" showing the internal SharePoint column names.
3. Fix bug with retrieving Google maps key by including a callback function in the Google Maps request.
4. Fix bug affecting the viewing of Office files when using the previous / next buttons.

4.53.Bug and feature release (2.4.4.0)

1. Change versioning behavior for "Edit Properties".
   Changing the properties via the Explorer's Edit Properties does not result in a new document version. This way property changes do not result in document versions consuming storage quota.
2. Support for showing the Check In / Check out dialog window when moving / copying items to a document library configured with Check In / Check out.
3. Fix bug with moving files to a different site on SharePoint 2016.
   The original item would not be removed from the original location.
4. Fix bug with moving files within the same site on SharePoint 2016.
   This would result in the moved file being placed in the recycle bin.
5. Minor changes:
   - show files in the confirmation box for deleting items
   - show Check in / Check out dialog at the top of the page
   - automatically set the height of the Check in/ Check out dialog window
   - automatically close the filter pane when the search result is closed
   - hovering over a document icon no longer automatically shows the document preview

4.54.Bug and feature release (2.4.3.0)

1. Control preview of file formats using the parameter EXCLUDEDPREVIEWEXTENSIONS in the properties.txt file.
   For example, to prevent previewing of aspx and html files via Explorer add the following line to the properties.txt file
   EXCLUDEDPREVIEWEXTENSIONS,key,aspx:html
   When the parameter is not present in the properties.txt file it will result in Explorer trying to preview file types like aspx, htm, html, etc… in the browser.

2. Support for decentralized properties.txt files (without optional Explorer app)
   Explorer will first check if the properties.txt file is present in the same location as the explorer aspx file. If the file is present it will be used. If the file is missing Explorer will try to retrieve the properties.txt file from the /SiteAssets folder in the root of the tenant.
   One of the advantages of using decentralized properties.txt files is that the metadata mapping may vary between sites or libraries.
   Note: the optional Explorer app that adds a button to the ribbon will automatically use the aspx file from the /SiteAssets library in the root.
3. Minor changes: right-clicking on an item will clear the right-hand pane.

4.55.Bug and feature release (2.4.2.0)

1. Several search related changes (SharePoint Online and OneDrive only):
   - show the “Modified by” column in the search result list
   - cater for sorting with the “Modified by” column in the search result list
   - include the “Modified by” column in the CSV file with the search results
   - include column names (e.g., Name, Modified date, …) as headers in the first line in the CSV file
   - include full URL for images in the CSV file (instead of URL’s with DispForm.aspx)
   - allow users to retrieve additional search results in sets of 500 search results.
2. Support for exporting many search results (500+) to a CSV file

4.56.Bug and feature release (2.4.1.0)

1. Support for editing document properties
   This is an optional feature that requires adding “EditProperties” to the INCLUDEDDOCUMENTOPTIONS parameter in the properties.txt file.
   For example,
   INCLUDEDDOCUMENTOPTIONS,key,Preview:PreviewInSharePoint:ViewThumbnails:Attachments:ViewInGoogleMaps:ViewInApp:EditInApp:HR:MailLink:CopyLink:MailAsAttachment:Download:Download&Zip:Export:Versions:HR:Copy:Move:HR:Rename:Delete:HR:**EditProperties**:Properties

   Explorer supports editing the following column types:
   - Single line of text
   - Multiple lines of text
   - Number
   - Yes/No
   - Person or Group
   - Date and time
   - Choice
   - Hyperlink
   - Currency

- Lookup
- Managed metadata

Note: support for columns of type Calculated, Location and Image will be part of a future release.

2. Minor changes to Properties:
   - allow selection of the text shown under Properties
   - sorting order for “SharePoint Properties”. First show the generic system properties like Name, URL, Size etc... followed by custom columns sorted in alphabetical order.
   - Add button to save the list with selected items as a CSV file
   Use the parameter
   SAVESELECTEDITEMSASCSV,key,show
   The default value is hide.
3. Fix bug with viewing emails using MSG or EML (using capitals) as extension.

4.57.Bug and feature release (2.4.0.0)

1. New search features: (SharePoint Online, OneDrive and Teams only)
   - add sorting options to the search result list. Specifically, the search results can be sorted by “Best Match”, “Name”, “Type” and “Modified Date” in ascending and descending order.
   - add filters for “Name”, “Type”, “Modified Date” and “Size”
   - “open file location” for files
   - show list items in the right-hand pane
2. Minor changes to search result list: (SharePoint Online, OneDrive and Teams only)
   - truncate long item names
   - fix bug with opening items in the search result list containing special characters (e.g., #)
   - fix bug with showing the name of an email containing # characters
3. Fix bug in the name of the html generated using “Export Structure”.
4. Allow use of large lists for on-premises SharePoint by including the following parameter into the properties.txt file
   OPTIMIZELARGELIST,key,false
5. Minor changes to the navigation control when viewing multiple items:
   - show “Previous” greyed out in the navigation control for the first item
   - show “Next” greyed out in the navigation control for the last item
   - fix bug with downloading the file being previewed
6. Minor updates to the “Help Topics” available under the “Help” menu to reflect the current functionality of Explorer.

4.58.Bug and feature release (2.3.5.0)

1. Changes to the “Versions” option in the ellipsis menu:
   - include the details of the latest version
   - fix bug with the total size for major versions shown
2. Support for sensitivity labels:
   - display the sensitivity label as a custom column in the Explorer tree.
     Note: use the internal name “_DisplayName” in the properties.txt file.
   - display the sensitivity label value under “Properties”.
3. Support for using an alternative custom column when the preferred column is empty.
   It is possible to specify an alternative column to be displayed in the Explorer tree when a custom column is empty. A possible use case is to display the “From Address” when the email “From” field is empty.
   The alternative column needs to be specified using a | character. For example, DYNAMICCOLUMNNAMES,key, Attachments:From|FromAddress:ReceivedDate:Length
   The alternative column needs to be of the same type (e.g., text) as the primary column.
4. Implement fix for a recent uncommunicated change implemented by Microsoft for the search results. This affected:
   - the opening of folders in the search result list.
   - efficient handling of libraries/folders exceeding the list view threshold
5. Support selection of multiple items using a mouse like Windows Explorer.
   The selected items can then be copied, moved, downloaded, deleted, etc …
6. Configure the delete request to use or by-pass the recycle bin by using the parameter “DELETEUSINGRECYCLEBIN” with possible values true and false.
   The default behavior is to use the SharePoint recycle bin.
7. Allow trimming of X500 addresses by using the optional parameter TRUNCATEX500ADDRESSS,key,true
   For example, instead of using the X500 value /O=OEXCH082/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6C83EA5270B446858D39D8713DE2D5A1-someuser@somecompany.com the value someuser@somecompany.com will be used.
   The default behavior without the parameter TRUNCATEX500ADDRESSS is to show the X500 address.
8. Sort available lists under Settings | List details in alphabetical order
9. Email preview related changes:
   - show the related emails drop-down list on a separate line
   - show the link “Preview in SharePoint” in the same line as the email name
   - the link “Preview in SharePoint” in the Explorer view opens in a separate window
   - show separator between replies in email preview
   - fix bug with emails containing << and >> characters.

10. Fix bug with # characters in file names affecting:
    - the viewing Office attachments
    - the editing non-Office files.

4.59.Bug and feature release (2.3.4.0)

1. Support for editing non-Office files (e.g., PDF file) using client-side applications.
   Use "ViewInApp and "EditInApp" in the parameter "INCLUDEDDOCUMENTOPTIONS" to add the options "View in app" and "Edit in app" to the ellipsis menu of documents. In addition, the use the parameters "VIEWINAPPEXTENSIONS" and "EDITINAPPEXTENSIONS" to specify for which extensions the view/edit functionality need to be available.
   For example,
   VIEWINAPPEXTENSIONS,key,pdf:docx:xlsx:pptx:vsdx:csv:doc:xls:ppt:docm:xlsm:pptm
   See Appendix S in the Administration Guide for further details.

   Note: the feature downloads the selected file to allow editing by the local application (e.g., Adobe Reader DC). After editing and saving the file the user needs to upload the modified file using the dialog window that is still visible in the Explorer tool. If the user has closed the browser a similar dialog window will be displayed when opening the Explorer tool at a later moment.
2. Change logic to only show a single quick search field.
3. Fix bug uploading files where the upload URL exceeds the max URL length from SharePoint Online. The http 400 response is avoided by passing the path and filename as parameters.
4. Customize the colors used for the ellipsis menu.
   This is done via the parameter CONTEXTMENUCOLORS. For details see Appendix R in the Administration Guide.

4.60.Feature release (2.3.3.0)

1. Support for viewing files as thumbnails on SharePoint Online and OneDrive.
   SharePoint content can be viewed using thumbnails like "View" icons in Windows Explorer. The optional thumbnail view allows sorting by name, modified date, type, and size. Clicking on a thumbnail opens a dialog window with the full file.
   This feature is not enabled by default and is enabled by adding "ViewThumbnails" to the INCLUDEDLIBRARYOPTIONS, INCLUDEDFOLDEROPTIONS or INCLUDEDDOCUMENTOPTIONS properties. For example,
   INCLUDEDLIBRARYOPTIONS,key,OpenInSharePoint:*ViewThumbnails*:Refresh:HR:Sort:QuickSearch:Views:NewFolder:MailLink:CopyLink:Download&Zip:CreateReport:HR:Paste:HR:Properties
2. Support for exporting the tree structure for a library or folder into an HTML file. The file displays the structure with indentation, icons, modification date etc.… and contains links to the original items in SharePoint.
   This feature is not enabled by default and is enabled by adding "ExportStructure" to the

INCLUDEDLIBRARYOPTIONS and/or INCLUDEDFOLDEROPTIONS parameters in the properties.txt file. For example,
INCLUDEDLIBRARYOPTIONS,key,OpenInSharePoint:*ExportStructure*:Refresh:HR:Sort:QuickSearch:Views:NewFolder:MailLink:CopyLink:Download&Zip:CreateReport:HR:Paste:HR:Properties
Support for collapsing and expanding libraries or folders.
This feature is not enabled by default and is enabled by adding "CollapseStructure" and "ExpandStructure" to the INCLUDEDLIBRARYOPTIONS and/or INCLUDEDFOLDEROPTIONS parameters in the properties.txt file. For example,
For example,
INCLUDEDLIBRARYOPTIONS,key,OpenInSharePoint:*CollapseStructure*:*ExpandStructure*:Refresh:HR:Sort:QuickSearch:Views:NewFolder:MailLink:CopyLink:Download&Zip:CreateReport:HR:Paste:HR:Properties

4.61. Bug and feature release (2.3.1.0)

1. Show the number of folders and files (plus sizes) under the ellipsis menu "Properties" for libraries and folders.
   This requires adding "Contains" to the INCLUDEDLIBRARYPROPERTIES to INCLUDEDFOLDERPROPERTIES properties in the properties.txt file.
2. Improve usability of drag and drop by using different row coloring for the source item(s) and the target location.
3. Removed the optimization for renaming items introduced in Explorer 2.2.7 because of too many side effects. Specifically, this avoids having a stale value for the Modification date, an incorrect sort order and functionality issues with (nested) child items (e.g., Move/Copy).
4. Changed the optimization method used for large lists because of server-side changes implemented by Microsoft. Specifically, the underlying search query has been extended with &querytext="*" to avoid getting 0 search results and resulting in a full scan of the large list instead of a subset. The change circumvents a significant drop in performance for large lists.
5. Fix bug affecting large lists in a specific condition.
   If the library or folder exceeding the list view threshold (5000 items) AND contained 10 or more items from a different library/site with a Created date older than the oldest item. The effect of the bug was that not all contents in the large list was displayed in the Explorer tree.
6. Fix bug with adding folders to a large list exceeding the list view threshold.
   The creation of a new folder results in the refresh of the large list to ensure the new folder is shown.
   Note: the newly created folder will only be shown if the folder has been included into the search index. See point 30 in section 5.1.
7. Fix bug in the Explorer tree with caching. This resulted in ad-hoc problems such as moving a folder structure containing document(s) resulting in "orphan" documents.
8. Fix bug with copying/moving items to the same location. This is not allowed, and the items will be skipped.

9. Fix intermittent bug with missing “Next” and “Previous” buttons when viewing Office files in SharePoint Online.
10. Fix bug preventing previewing or the extraction of email metadata in msg emails with one or more msg attachments.
11. Minor cosmetic / functional changes:
    - avoid overlapping column headers
    - avoid overlapping column values
    - include space before hyperlinks in email previews.
    - show “0 search results” when there are no search results.
    - inform the user that the folder is displayed in the Explorer tree (left-hand pane) when a folder is selected in the search result list.
    - when all items in a folder have been deleted then replace the folder’s expand or collapse icon by a blank icon.
    - when folder creation via “New Folder” fails display the SharePoint error message.
    - view heic and heif files directly in browser (SharePoint Online only)
    - add icons for the following file types: heic, heif, dwg, dxf, pages, rtf, xsd, m4a, mov, mp3, mp4, pst, svg, tsv, wma, swf, json, ps1, tiff, emf, tar, 7z, bat, dll and wmv.
12. Simplified deployment to OneDrive.
    The Explorer tool can be made available to users in OneDrive by only providing a link to the central aspx page, the tool will then automatically redirect to the user’s OneDrive.
    Clicking on the link to the aspx page, e.g.,
    “https://<tenant>-my.sharepoint.com/siteassets/slim_companion_explorer.aspx”
    will then automatically redirect to
    “https://<tenant>-my.sharepoint.com/siteassets/slim_companion_explorer.aspx?startsite=https://<tenant>-my.sharepoint.com/personal/<user>_<tenant>_com”
    which shows the contents of the user’s OneDrive in the Explorer tree.
13. Show shortcuts in OneDrive.
    Note: clicking on the shortcut in the Explorer tree will display the target as a standard SharePoint page in the right-hand pane. In the future release of Explorer, the shortcut target will be displayed in the Explorer tree.

4.62. Bug and feature release (2.3.0.0)

1. Support sorting via the column headers in the tree.
2. Upon clicking a folder in the search result list automatically scroll to the selected folder in the Explorer tree in the left-hand pane.
3. Fix bug with long item names spanning multiple lines in the tree.
4. Fix bug in copying/moving multiple items when one or more items already exist, and one or more items do not exist.

5. Fix bug using the keyboard left and right arrows when copying/moving item(s) and one or more item(s) already exist.
6. Multiple minor fixes for search results lists:
   - fix bug with search result list not showing emails in the right-hand pane.
   - fix bug with search result list not collapsing when selecting the 1st search result.

4.63.Bug and feature release (2.2.9.0)

1. Fix bug affecting the extraction of properties from small binary Office files (< 30 kB).
2. Support for extracting properties from pptm and docm files.
3. Include icons for docm, xlsm and pptm files.

4.64.Bug and feature release (2.2.8.0)

1. Support for extracting properties from binary Office files (doc, xls and ppt). The available properties are described in Appendix N of the SLIM Companion Explorer Administrator Guide 2.2.
2. Fix bug with validating a new name when copying/moving items and the item already exists. This only affects SharePoint 2016.
3. Ended support for Internet Explorer 11 (15 June 2022).

4.65. Bug and feature release (2.2.7.0)

1. Users are informed when they copy/move items and the items already exist in the target location. The user can choose to enter new names (plus check uniqueness of the new name) or merge with the existing folders. In case of documents the document(s) present in the target location are overwritten.
2. Quick Search is available for sites, libraries and folders not exceeding the list view threshold. This feature is shown under the right-click ellipsis menu and allows users to filter the items being displayed without using the SharePoint search.
   The Administrator Guide contains details about configuring the properties.txt file.
3. Renaming an item no longer requires a refresh of the item's parent folder. Instead, only the item in the tree is updated. This approach improves performance.
4. Support for changing the width of the columns in the Explorer tree.
5. Fix bug with selecting a range of items in the tree. The item after the last selected item was also automatically selected.
6. Copying/moving files to a different site will automatically overwrite existing files. Previously this would have resulted in an error message that the files could not be copied/moved.
7. Fix bug affecting the opening of the ellipsis menu for sites.

4.66.Feature release (2.2.6.0)

1. Support reporting on specific file extensions.
   The extensions can be specified under Settings | Report Settings in the field “Restrict to extensions” as a comma separate list. For example,
   jpg,jpeg,png
   Leaving the field empty will result in reporting on all file extensions.

4.67.Bug and feature release (2.2.5.0)

1. Performance and stability improvements for large lists on SharePoint Online by using adaptive ID ranges (via multiplication factor, see below) and other optimization techniques.
2. Configure performance improvements parameters via the properties.txt file. Specifically, this covers:
   - the number of threads for large list requests
   - enable/disable the performance optimization
   - ID range multiplication factor.
   For example, if a successful request has been made for 5000 items, the following request will try to retrieve multiplication factor x 5000 items. If that succeeds the factor is applied again to retrieve multiplication factor x multiplication factor x 5000 items. If the request fails because the list view threshold is exceeded, then the request will be repeated for 5000 items.

4.68. Bug and feature release (2.2.4.0)

1. Fix bug with folders exceeding the list view threshold resulting in retrieving the details for all items in the library. The fix limits the retrieval to items in the selected folder.
2. Performance increase (4-5x faster) for opening libraries/folders exceeding the list view threshold by using parallel requests.
   Note: this major performance improvement has side effects. Specifically, the “Create Report” and “Download & Zip” functionalities are temporary not available for libraries exceeding the list view threshold. See section 5.1 for further details.
3. Support for showing custom columns (e.g., sent date of an email) in folders exceeding the list view threshold.

4.69.Feature release (2.2.3.0)

1. Implement feature to deal with blocking _vti_pvt requests.

4.70.Feature release (2.2.2.0)

1. Implement fallback scenario for determining the SharePoint version of on-premises SharePoint systems. This may be relevant for environments that are hardened and as a result requests containing _vti_pvt are blocked.

4.71.Bug fix (2.2.1.0)

1. Fix bug affecting the metadata extraction from large PDF files (10MB+) using double characters as end of line separator within the pdf file.

4.72. Feature release and bug fix (2.2.0.0)

1. Support for showing custom columns in the Explorer tree.
   This mechanism can be used to show key email metadata such as Attachments, From, Received or project ID or other custom metadata. Up to 4 columns can be shown. These columns are also sortable via the ellipsis menu of the parent folder.
2. Multiple user interface improvements:
   a. Fixed header of the Explorer tree (like File Explorer) to ensure the columns titles are always shown.
   b. Documents with a size < 1 kB are shown with size 1 kB to align with File Explorer behavior.
   c. The section below the header uses a background color.
   d. Support for using a custom background color for the section below the header
   e. Minimized the wrapping of long text in the Explorer tree.
   f. Reduced white space at the top of the page when the drop-down with the available sites is hidden.
   g. Add feature to avoid expanding a folder after uploading items.
   This is controlled by setting the parameter “OPENFOLDERAFTERUPLOAD” in the properties.txt file to false. Note: when the folder is already expanded, and the child items are listed then the parameter is neglected, and the folder contents is refreshed irrespective of this parameter.
   h. Add feature to hide the metadata dialog when uploading items.
   This is controlled by the parameter “CUSTOMMETADATADIALOG”. The default value is true. Note: documents will be uploaded with the default content type and if the parameter “CUSTOMMETADATAENABLED” is set metadata will be extracted.
3. Changed behavior for viewing AutoCAD (dwg) files on SharePoint Online.
   Hovering over the icon or clicking on the item name shows a preview with a thumbnail in the right-hand pane. This is fast because it does not use the standard SharePoint viewer and users can easily navigate back and forth using the navigation buttons (or keyboard arrows).
   The preview contains a link to the standard SharePoint viewer that opens the dwg file in a different tab.

4.73. Feature release and bug fix (2.1.0.0)

1. Support for moving and copying folders + documents in SharePoint Online and SharePoint 2016 for the following scenario's:
   - within same library
   - different library in same site
   - different library in different site

   Folders/documents can be moved using the ellipsis menu (e.g., using cut and paste) or via drag and drop. The default mode for drag and drop is "Move" but by simultaneously selecting CTRL and dragging an item the "Copy" mode is selected.

   NB #1: Drag and drop does not work in FireFox. Users are advised to use the ellipsis menu to copy/move items.

   NB #2: moving documents to a different site only moves the latest version. The other versions are deleted.

   NB #3: moving/copying documents to a different site on SharePoint 2016 results in network traffic between the browser and the SharePoint 2016 server because the documents need to be downloaded first and then uploaded because of the absence of suitable API methods. This does not affect SharePoint Online where efficient API methods are available that do not result in high network consumption.
2. Improved performance (typically 2x faster) for "Create report."
3. Limit the custom logo height to 46px. Logos with a smaller height are displayed with their original height. The logo is vertically aligned in the middle.
4. Fix bug resulting in the last word of an email not being shown in the email preview.

4.74.Feature release and bug fix (2.0.11.0)

1. Fix bug affecting uploading folders using FireFox.
2. Show the optional "Back to Site" button as a link.
3. Cater for long site names without using multiple lines.
4. Fix bug with not wrapping text in email previews.
5. Limit the custom logo to a height of 20px.

4.75. Feature release and bug fix (2.0.10.0)

1. Hide the text "Retrieving email … " and the progress bar when an email has been successfully downloaded.
2. Fix bug that prevented the display of attachments in selected msg emails.
   The logic to mark attachments as inline has been modified because it was not strict enough. This resulted in attachments being marked as inline and subsequently not shown as attachments present in the email preview.
3. Increased the maximum file size for extracting email metadata to 50 MB to cater for emails with large email attachments.

4. Fix bug moving or copying documents with special characters like +.
5. Add “previous” and “next” navigation buttons to the preview for pdf and Office files to allow navigating through large number of files.
6. Preview mov, wma and wmv files directly in the browser instead of downloading the files.

4.76. Feature release and bug fix (2.0.9.0)

1. Support for disabling the metadata dialog via the properties.txt file. See section K in the Administrator Guide.
   Note: the option to disable the metadata dialog for the current session (under Settings > SharePoint settings) has been removed.
2. Change the header logo to use an absolute URL. For example,
   HEADERLOGO,key,https://slimapplications.sharepoint.com/siteassets/checkout.png
   This allows for re-use of an existing image on the SharePoint tenant or use of an external source.
3. Modified the header to better align with the SharePoint Modern view by reducing the height and optimizing custom logos of 20x20 px.

4.77. Bug fix (2.0.8.0)

1. Fix bug extracting comments from pdf files.
2. Fix bug extracting properties from pdf files with property versions.

4.78. Feature release and bug fix (2.0.7.0)

1. Support for modern browsers on Windows 11. See section 3.1.
2. Support for sorting items in a library or a folder by name, modified date, type and size.
   This offers the same functionality as File Explorer.
3. Change in structure of the Explorer tree by adding a column named “type”.
   The sequence of the columns has also been aligned with the sequence used in File Explorer.
4. Change in terminology to better align with File Explorer naming.
   The context option “Move” has been renamed to “Cut”.
5. Support for viewing mht and mhtml files in the browser.
6. Optional navigation button “Back” under the site name. By default, this is not visible.

4.79. Feature release and bug fix (2.0.6.0)

1. Support for viewing Office attachments in emails (docx, xlsx, pptx, vsdx, doc, xls and ppt) directly in the browser (SharePoint Online only).
2. Support for viewing Office files (docx, xlsx, pptx, vsdx, doc, xls and ppt) in zip files directly in the browser (SharePoint Online only).
3. Support for viewing legacy Office file formats (doc, xls and ppt) in OneDrive.

4. Add Help instructions for viewing Office email attachments.

4.80. Feature release and bug fix (2.0.5.0)

1. Support for viewing Office attachments (docx, xlsx, pptx and vsdx) in emails directly in the browser (OneDrive only).
2. Support for viewing Office files (docx, xlsx, pptx and vsdx) in zip files directly in the browser (OneDrive only).
3. Fix bug selecting a folder in the search result list (OneDrive only).

4.81. Feature release and bug fix (2.0.4.0)

1. Support for listing emails with the same conversation when viewing an email.
   Note: the list only contains emails in the current environment. i.e., when using Explorer in OneDrive then the list will not contain emails stored in SharePoint Online.
2. Explorer automatically selects the default content types per library.
3. View files in zip files without downloading the selected file.
   Currently supported with jpg, png, gif, bmp, svg, pdf, txt, js, msg, eml, html, mp4 and mp3.
4. Automatic rescaling if an image is too wide to fit on the screen.
5. Skip retrieval of accessible sites when Explorer is used in OneDrive.
6. Fix bug when the search result contains a document without extension.
7. Remove autorotation for images for selected browsers. Several browsers (Chrome, Edge, FireFox, Safari) natively support this and no additional application logic is required.
8. Add Help instructions for using Check in / Check out.
9. Fix bug when selecting a folder in the search results in OneDrive.

4.82. Feature release and bug fix (2.0.3.0)

1. Support for Check in / Check out.
2. Fix bug affecting “Mail as Attachment” using Edge.

4.83. Bug fix (2.0.2.0)

1. Fix bug affecting SharePoint dates using the format dd/mm/yyyy.

4.84. Feature release (2.0.1.0)

1. Configure the fields to be shown under Properties for libraries, folders, and documents. For example, only show Name, URL, Size and Modified for documents.

4.85.Feature release and bug fix (2.0.0.0)

1. Support for the optional Explorer App (Modern view in SharePoint Online only).
   The SPFx App offers the following benefits:
   - easily accessible by adding a button to the ribbon of document libraries, picture libraries and asset libraries (similar to “Open with Explorer” in Internet Explorer 11),
   - use of single instance of the Explorer tool across all sites in a tenant,
   - does not require “custom script” to be enabled,
   - circumvents downloading of the aspx file, and
   - the tool can be deployed in a controlled way (per individual site or tenant wide).
   NB: for sites using classic view on SharePoint Online use the optional Explorer App 1.1
2. Fix bug showing items in Google Maps when the “OVER_QUERY_LIMIT” is returned.
3. Fix bug in background checks for the modify date when the SharePoint site’s regional settings use dd-mm-yyyy hh:mm.
4. Improved logging.
5. The installation package no longer contains the file “SLIM_Companion_Explorer_properties.txt”.

4.86.Feature release and bug fix (1.9.5.0)

1. Show “Modified By” under “Properties” as firstname.lastname@domain instead of i:0#.f|membership|firstname.lastname@domain or similar notation like c05.t|…
2. Fix bug with excluding sites that surfaces when “REST API” is used to retrieve the sites. This only affects a small part of the deployments because the default method to retrieve the list with sites is “Search”.
3. Support for dynamic titles in the header by using replacement tags <site> and <url> in the properties.txt field HEADERTITLE to show the title and/or url of the current site.
4. Automatic checks if the content selected for uploading has a valid modify date. Modify dates before 1 January 1970 are considered invalid.
5. Automatic checks if the item’s original modified date differs from the SharePoint modified date when the modified date is mapped.
6. Fix bug with incorrect “From” details in a small part of the msg emails.

4.87.Feature release and bug fix (1.9.4.0)

1. Basic support[2] for using Safari, Chrome, Edge and FireFox on iPad.
   This supports a common use case to use the iPad to take photos and then use the Explorer tool in a browser to upload photos with metadata (e.g., GPS coordinates, date time taken in seconds, …) to SharePoint.

[2] This entails basic functionality of the tool to browse through sites and libraries and upload documents/photos with metadata extraction. Several UI improvements for iPad are planned for in the next release.

2. The starturl parameter can be used in combination with the new optional settings from the properties.txt file (STARTURLOTHERLIBRARIES and STARTURLOTHERSUBSITES) to only show the specified library including nested content but without other libraries/lists or subsites.
3. Fix bug with using the tool on SharePoint on-premises SharePoint systems with complex managed paths consisting of multiple parts (e.g. /system/ict).
4. Fix bug with using REST API to find subsites a regular user has access to.
5. Fix bug with a custom logo being shown with fixed width and height.

4.88.Feature release and bug fix (1.9.3.0)

1. Internal release

4.89.Feature release and bug fix (1.9.2.0)

1. Allow saving of the upload log file.
2. Fix critical bug that completely freezes the Explorer tool during uploading of a PDF file with a particular internal structure.
3. The number of SharePoint threads has been reduced from 6 to 3 for SharePoint Online to cater for the lower thresholds imposed by Microsoft.
4. The number of “read” threads has been changed from 3 to 2 to reduce the load on the source system.

4.90.Feature release (1.9.1.0)

1. Support use of complex managed paths like system/test

4.91.Feature release and bug fix (1.9.0.0)

1. List all sites the user has access to in a drop-down list at the top of the page.
2. Fix bug preventing sites being listed with managed paths other than /sites and /teams by allowing administrators to specify the custom managed paths using the property INCLUDEDMANAGEDPATHS in the properties.txt file.
3. Control which list types (e.g., document library, picture library, …) are shown in the Explorer tree using the property INCLUDEDLISTIDS in the properties.txt file. By default, the following list types are shown: 101:109:115:700:851
   with 101 = Document library, 109 = Picture library, 115: Forms library, 700: MySite document library and 851 = Asset Library.

4.92.Feature release and bug fix (1.8.9.0)

1. Show Forms Libraries (template ID 115).
   This allows for managing the forms in the Forms Library (e.g., download, move, …).
   Note: opening the InfoPath forms still requires the InfoPath client to be installed.
2. Updated the browser settings section:
   - set maximum size for zip files
   - set maximum size for files within a zip file
   - set maximum data volume when using multiple zip files

3. Changed limits for Chrome and Edge:
   - increased the maximum size for zip files from 500 MB to 1 GB
   - increased the maximum size for files within a zip file from 100 MB to 1 GB
   Note: this requires the user's computer to have sufficient memory (several GB's need to be available).
4. Control which options are shown in the ellipsis menu's (right-click) using the properties INCLUDEDSITEOPTIONS, INCLUDEDLIBRARYOPTIONS, INCLUDEDFOLDEROPTIONS and INCLUDEDDOCUMENTOPTIONS in the properties.txt file.
5. Fix bug affecting the expanding of several sections in the generated report (e.g., show a list of all large files, Document by extension, …).

4.93.Feature release and bug fix (1.8.8.0)

1. Add icon for InfoPath files (xsn)
2. Fix bug affecting use of the tool on on-premises systems with managed paths other than sites and teams.
3. Implemented different solutions to process the starturl or startsite parameters in the URL or the manually entered site URL.

4.94.Feature release (1.8.7.0)

1. Support excluding sites, libraries, and folders with specific names through the properties EXCLUDEDSITES, EXCLUDEDLIBRARIES and EXCLUDEDFOLDERS in the properties.txt file.

4.95.Bug fix (1.8.6.0)

1. Fix bug for hub sites that incorrectly only showed associated sites with a Microsoft 365 Group.

4.96.Feature release and bug fix (1.8.5.0)

1. Fix bug in msg previews incorrectly adding :::::
2. Fix bug showing X.500 addresses in msg previews.
3. Hide inline attachments for viewing msg files.
4. Fix performance issue for hub sites containing many associated sites (100's).

4.97.Feature release and bug fix (1.8.4.0)

1. Support for hub sites (only for SharePoint Online)
   Hub sites have a different visual appearance than regular sites. The tree shows associated sites nested within the corresponding hub site. Searching in a hub site returns search results from the hub and its associated sites.
2. Improvements in the preview of msg emails
   Specifically, removal of unnecessary empty lines, active hyperlinks, displaying of inline images and download buttons for individual attachments or the entire email.
3. Support for starting the tool from a central location (e.g., via link in the left-hand pane) and opening a specific site using a parameter. This simplifies deployment in large scale deployments with many sites where the optional App cannot be used (e.g., SharePoint 2016 systems).

4. Fix bug which prevented the parsing of msg emails with special internal storage.

4.98.Feature release (1.8.3.0)

1. Support for using REST API to retrieve a list with sites.

4.99.Bug fix (1.8.2.0)

1. Fix bug affecting large SharePoint systems with 500+ sites.

4.100. Bug fix (1.8.1.0)

1. Fix bug with the vertical positioning of the ellipsis menu items for sites.

4.101. Feature release and bug fix (1.8.0.0)

1. Improved email functionality:
   - select attachments in the email's ellipsis menu
   - open attachments directly in the browser (e.g., pdf, jpg, …)
   - browser preview for emails in the Explorer tree
   - link to the standard SharePoint email preview
2. Improved Google Maps integration:
   - allowing users to view all (or selected items) on a map
   - adding a preview to markers on the map
   - support for geotagging items (using a location on a map)
   - simplified deployment of Google Maps across all sites/libraries without coding or configuring WebParts
3. Improved usability:
   - SharePoint views are available via the ellipsis menu in the Explorer tree.
   - clicking on a site, library, folder, or zip file in the Explorer tree expands (or collapse) the item in tree instead of opening the standard SharePoint page in the right-hand pane.
   - collapse all items using the ▲ icon
   - keep the original modified date of documents during uploading as default behavior
   - Exclude sites from the Explorer tree. For example, the site "SLIM Companion Explorer App" that is created when deploying the optional App is automatically skipped.
4. Customization support:
   - show custom logo
   - use different background color in the header
   - hide the menu buttons
   - hide the drop-down list with sites
   - restrict the list types shown in the tree (e.g., only show Picture Libraries)
   See the Administrator Guide for further details.
5. Various improvements with the Properties option. For example, use display names for columns, format values (e.g., date, size, ...), sorting columns, …
6. Several bug fixes:
   - fix bug with the "Exclude Items" button in the metadata popup window

- fix bug showing an error message in the browser's console when using the document's original modify date is used
- fix bug preventing uploading emails containing a vertical tab character in the subject.
- fix bug preventing use of "CTRL-C" or "CTRL + V" or "Del" in the text box "Enter a URL to your site"

4.102. Feature release and bug fix (1.7.1.0)

1. Change search scope when clicking a library or folder name in the tree (only affects SharePoint Online).
2. Fix bug to allow use of paste (CTRL V) in the search bar (only affects SharePoint Online).
3. Extend the ellipsis menu with the option "Refresh" for libraries and folders to retrieve the latest information from SharePoint.
4. Extend the ellipsis menu with the option "Properties" for libraries.
5. Fix bug selecting folders in the search result list (only affects SharePoint Online).

4.103. Feature release and bug fix (1.7.0.0)

1. Additional options in the ellipsis menu of documents
   - "Download and Zip"
   - "Versions"
   - "Move"
   - "Copy"
2. Additional options in the ellipsis menu of csv and xlsm documents
   - "View in app"
   - "Edit in app"
3. Additional options in the ellipsis menu of libraries and folders
   - "Paste"
   - "New folder"
4. Support metadata extraction from DWG files.
5. Support metadata extraction from PSD files.
6. 100 GB max file size for SharePoint Online.
7. Support for moving items with # and % characters.
8. Fix bug with mapping original path and name to SharePoint columns.
9. Fix bug preventing viewing of SharePoint properties of zip files.
10. Automatic selection of output email format: msg for Windows and eml for mac OS.
11. Fix bug using the search bar to search for words containing the character C (SharePoint Online only).
12. Windows 7 is no longer supported since Microsoft has ended extended support in Jan 2020.
13. Support for Edge (Chromium) on mac OS.
14. Increased default font size from 11px to 12px.

4.104. Feature release (1.6.5.0)

1. View and edit Office files (Word, Excel, PowerPoint, and Visio) using Office apps (e.g. Word) on the user's computer. The ellipsis menu is extended with the following options:
   - "View in app" (only for Office files)
   - "Edit in app" (only for Office files)
2. The optional App automatically opens the current library.

4.105. Feature release (1.6.4.0)

1. Support for extracting XMP metadata from TIFF files.

4.106. Feature release and bug fix (1.6.3.0)

1. Extract XPKeywords from TIFF files as Unicode characters.
2. Allow viewing TIFF files on SharePoint Online for browsers that do not natively support viewing TIFF files.

4.107. Feature release and bug fix (1.6.2.0)

1. Fix bug affecting jpg files with IPTC metadata segments with size 0 bytes.
2. Extract IPTC digest and the width and height of the jpg file.

4.108. Bug fix (1.6.1.0)

1. Fix bug affecting Internet Explorer 11 use.

4.109. Feature release and bug fix (1.6.0.0)

1. Add search bar (only available for SharePoint Online).
2. Optimization of user interface by adding a right-hand click menu (like File Explorer).
3. Enable the Explorer tree to be opened in a specific library.
4. Fix bug preventing opening libraries that exceed the list view threshold.
5. Fix bug with extracting properties from PDF files generated using Microsoft Office.
6. Users are notified when they need to refresh the page when a new version has become available.
7. Increased the maximum URL length for SharePoint Online to 400 characters (was 261).
8. Add icons for Visio and OneNote files.

4.110. Bug fix (1.5.6.0)

1. Fix bug with the "Back" button affecting the use of the SLIM Companion Explorer App in subsites.

4.111. Bug fix (1.5.5.0)

1. Fix bug affecting the extraction of Comments from PDF files.
2. Fix bug uploading files into a SharePoint folder containing a ' character.

4.112. Bug fix (1.5.4.0)

1. Fix bug affecting use of the optional App to start the SLIM Companion Explorer tool.

4.113. Bug fix (1.5.3.0)

1. Fix bug affecting extracting comments from a subset of PDF files and capturing the values into a SharePoint column.

4.114. Bug fix (1.5.2.0)

1. Fix bug affecting extracting comments from PDF files and capturing the values into a SharePoint column.

4.115. Feature release (1.5.1.0)

1. Support for extracting comments from PDF files and capturing the values into a SharePoint column.

4.116. Feature release and bug fix (1.5.0.0)

1. Provide functionality to download and zip folders/documents plus document metadata (in json format)
2. Fix bug in “Download & Zip” that may result in incomplete zip files.

4.117. Bug fix (1.4.6.0)

1. Cater for multiple values in XMP dc:subject.

4.118. Bug fix (1.4.5.0)

1. Cater for UCS2 encoded EXIF properties like XPTitle, XPKeywords, …

4.119. Feature release (1.4.4.0)

1. Support for columns of type lookup.
2. Support for using existing Enterprise Keywords when uploading items.
   Note: adding new Enterprise Keywords when uploading items is not supported.

4.120. Bug fix (1.4.3.0)

1. Increase the row limit for search results from 100 to 1024 to cater for systems with many sites.

4.121. Bug fix (1.4.2.0)

1. Fix bug affecting the EXIF XPKeyword field.
2. The preview “document properties” no longer shows EXIF metadata fields that have no proper label.
3. Minor IPTC fixes:
   - strip spaces from IPTC metadata values containing multiple values. The values are separated by semi-colon characters.

- show Country Code as label instead of the hex value 0x64.
- show Copyright notice instead of the hex value 0x74

4. Fix bug when downloading & zipping a set of files containing one or more zip file.

4.122. Feature release (1.4.1.0)

1. Disable modification date check for uploaded files.
   This check would fail on computer systems having incorrect time settings even though the upload was successful.

4.123. Feature release and bug fix (1.4.0.0)

1. Support for SharePoint 2019
2. Support for encrypted files:
   - identify encrypted files (Office, zip and pdf) or by file extension (e.g., pgp) during uploading
   - configurable behavior to handle uploading of encrypted files (ignore/warn/skip)
   - mark encrypted files in the Explorer tree
   - report on encrypted documents (via Advanced Reporting mode)
3. Make the properties of Office files available on SharePoint 2013 and SharePoint 2016.
4. Make the properties of Office files within zip files available.
5. Allow users to view the document properties of adjacent documents in the same folder (or document set) using the left arrow and right arrow keys on the keyboard.
6. Support for using # and % characters in document names for SharePoint Online (and OneDrive for Business) and SharePoint 2019.
7. Expose GPS coordinates in additional notations:
   - decimal degree notation (e.g., 40.446151 and -79.982303) to allow capturing GPS coordinates in SharePoint Location columns
   - sexagesimal degree notation (40° 26′ 46″ N 79° 58′ 56″ W)
8. Extend naming conventions for uploading emails.
   Circumvent overwriting existing emails by creating a unique file name consisting of the email subject with the sent date and sent time.
9. Minor improvements for extracting metadata from PDF files.
10. Fix bug preventing downloading zip files in the tree by clicking on the name.
11. Fix bug preventing extraction of some document properties using XMP format.
12. Fix bug in Internet Explorer 11 preventing extraction of document properties using XMP format.

4.124. Feature release and bug fix (1.3.0.0)

1. Complementary App to provide easy access to the Explorer tool by adding a separate button to the SharePoint ribbon. The App also simplifies deployment of the tool in environments with many libraries. The App is only available for Office 365 Business and Enterprise plans.
2. Support for extracting metadata from mp4 and mov files.
3. View document metadata of mp4 and mov files in SharePoint.

4. Fix bug with reading files during uploading. Multiple read errors may have resulted in the application being unresponsive or the upload statistics not being shown.
5. Fix bug with expanding zip files in the browser.
6. Fix bug uploading large files using chunks.
7. Increased standard chunk size for uploading large files from 25 MB to 100 MB.
8. Configurable chunk size.
9. Fix bug preventing the deletion of zip files.

4.125. Bug fix (1.2.5.0)

1. Fix bug parsing properties from PDF files resulting in an uncaught error.
2. Fix bug with extracting properties in PDF files that use octal notation.
3. Fix bug with extracting properties in PDF files that use UTF-16 notation.

4.126. Feature release and bug fix (1.2.4.0)

1. Support for dragging emails (and/or attachments) directly from Outlook to SharePoint using Chrome (version 76 and up).
2. Increase maximum length for multiple line columns from 255 to 63999 characters.
3. Give precedence for the ID3v2.4 genre property over the ID3v1 genre property in mp3 files.
4. Fix bug with using content types containing integer columns.
5. Fix bug with byte-order-mark characters in mp3 properties.
6. Convert the mp3 TLEN property (length of the recording) from ms to s.

4.127. Feature release and bug fix (1.2.3.0)

1. Support for dragging emails (and/or attachments) directly from Outlook to SharePoint using Edge.
2. Fix bug affecting HTML when using Edge.

4.128. Feature release and bug fix (1.2.2.0)

1. Added filtering capabilities for uploading content: filter by modification date, size, extension and document name. This provides granular content which content is upload and enables incremental migrations of content from source systems.
2. Improved logic to extract EXIF metadata from jpg files.
3. Fix bug extracting metadata of type Yes/No (checkbox) from source documents.
4. Fix bug extracting EXIF metadata from jpg files.
5. Fix bug with URL's containing /sites/ or /teams/.
6. Fix bug affecting file properties of audio files in zip files.

4.129. Feature release and bug fix (1.2.1.0)

1. Support for extracting metadata from wma and wmv files during uploading.
2. View document metadata of mp3, wma and wmv files in SharePoint.
3. Fix bug with incorrect metadata value for the duration of MP3 files.
4. Automatic previewing of images with the correct orientation.

5. Support for viewing thumbnails in dwg files.

4.130. Feature release and bug fix (1.2.0.0)

1. Product name has changed from SLIM Companion Migration Manager to SLIM Companion Explorer to reflect the tool's characteristics.
2. Support for Safari on macOS.
3. Extended existing zip functionality:
   - open zip files in browser (without downloading entire zip file)
   - preview or download individual files from zip files
4. Support for extracting metadata (e.g., GPS coordinates) from multiple file types and mapping to SharePoint columns during uploading. Specifically,
   - Office formats (docx, xlsx, pptx and vsdx)
   - Image formats (jpg, png, gif, bmp, tif and svg)
   - HTML formats (htm and html)
   - PDF formats
   - email formats (msg and eml)
   - audio (mp3)
5. Easy to use method to map file metadata properties to SharePoint columns.
6. Move or copy documents within a library or between libraries in the same site using drag and drop (only on Chrome and Edge)
7. Advanced PDF functionality:
   - view PDF files directly in the browser
   - view PDF metadata in the browser
8. Extended existing preview functionality:
   - preview docx and pptx files (SharePoint Online and OneDrive for Business only)
   - preview XML and text files formats like xml, txt, csv, etc…
   - preview image thumbnails in Asset libraries and Picture libraries
   - preview image files (jpeg, png, gif, bmp, tiff and svg) in document libraries
   - automatically extract thumbnails from jpeg files to improve performance
   - rotate and zoom image previews in the browser
   - preview multiple files in an efficient way
9. View image properties like GPS coordinates, XMP metadata etc... of image files (gif, jpg, png, bmp, tiff and svg).
10. Report on the document extensions present.
11. Minor fixes:
    - close popup window using esc key
    - preview previous or following items using left or right arrow keys
    - extract separate value for "From" and the "From address" details from eml files
    - extract "From address" without encapsulating < and > characters
    - fixed incorrect value for downloaded document volume when using Download & Zip

- fix incorrect count for skipped items
- improved user interaction when uploading large data sets (100000+ items)
- supporting for tab separated value log files
- show running total with the numbers of items uploaded

4.131. Feature release and bug fix (1.1.0.0)

1. Support for large lists (exceeding the 5000 List View Lookup Threshold)
2. Support for emails in eml format (extract email metadata, preview, and mail attachments)
3. Support for uploading folders using FireFox
4. Support for downloading very large data sets (10's of GBs)
5. Support for Picture and Asset libraries
6. Support for OneDrive for Business
7. Download document library contents in CSV format
8. Several user interface improvements (e.g., use modal windows instead of popup windows)
9. Fix bug which affected the initial use of the tool
10. Automatically display the contents of the current site
11. Allow for larger time offsets between SharePoint / OneDrive for Business and client computers

4.132. Bug fix (1.0.3.6)

1. Cater for managed paths named teams.

4.133. Feature release and bug fix (1.0.3.5)

1. Automatic detection of SharePoint version.
2. Changed default naming convention for duplicate document names when flattening folders to standard Windows behavior. For example, duplicate file names are uploaded with a sequence number like document(1).docx

4.134. Bug fix (1.0.3.4)

1. Fix bug with mapped paths starting or ending with / characters.
2. Fix bug with flattening folders and mapping source properties (only applies to SharePoint 2013)

4.135. Bug fix (1.0.3.3)

1. Fix bug with mapping properties such as modification date and name.

4.136. Bug fix (1.0.3.2)

2. Change name from SLIM Companion to SLIM Companion Explorer.

4.137. Bug fix (1.0.3.1)

1. Fix bug with nested email attachments.

4.138. Feature release and bug fix (1.0.3)

1. Support for SharePoint 2016
2. Support for custom metadata (and Content Types)
3. Support for mapping source properties to SharePoint columns (e.g., modification date)
4. Support for uploading folders on Edge (see also known issues Edge)
5. Support for flattening folder structures
6. Copy links(s)
7. Mail SharePoint documents as attachments (Outlook only)
8. Bug fix for uploading large files on Office 365
9. Bug fix with showing libraries from Office 365 Groups
10. Provide Help pages
11. Optimize URL for setting metadata (this avoids unnecessary trimming of item names)
12. Add icons for csv files
13. Split application into 2 parts: a small html file (10 kB) and a separate JavaScript file (1.1 MB)
14. Email previews are no longer shown in separate popup windows.

4.139. Feature release and bug fix (1.0.2)

1. Support for Office 365 Groups (both private and public).
   For private Office 365 Groups see section 5.1 Known Issues: General
2. Import and export of list with sites
3. Show metadata columns for each document library separately
4. Implement browser dependent threshold for document upload volumes. Default value is set to 100 GB.
5. Show the current URL in the drop-down list after selecting a site
6. Fix bug to show all subsites in the tree
7. Cater for http 409 responses when uploading documents concurrently
8. Fix bug with spaces in site names

4.140. Feature release and bug fix (1.0.1)

1. Add basic reporting capability
2. Add functionality to purge document versions
3. Fix bug with email date fields (locale related)
4. Optimize memory usage for “Download & Zip” on Chrome and Opera browsers
5. Support filters (e.g., only list failed items) on the upload report to cater for very large data sets.

4.141. Initial release (1.0)

1. Mimic Windows Explorer in a browser window
2. Tight integration with standard SharePoint functionality (e.g., Word Online)
3. Upload documents using parallel processes through drag and drop

4. Upload complete folder structures using parallel processes through drag and drop (only on Chrome and Opera)
5. Save upload log file for auditing purposes
6. Cater for illegal characters
7. Cater for items with long names
8. Automatically zip blocked files
9. Skip 0 kB files
10. Report on potential long URLs
11. Automatically extract email metadata from Outlook msg files (plus fill SharePoint columns)
12. Preview Outlook msg emails in SharePoint (plus open attachments and attached emails)
13. Mail Link(s) to items stored in SharePoint
14. Download complete folder structures using “Download & Zip
15. Several throttling mechanisms in place (e.g., number of parallel processes, maximum zip volume, …) to avoid deterioration of the SharePoint service.
16. Support for uploading 10 GB documents on Office 365 (SharePoint Online)

5. Known Issues

This section lists known issues.

5.1. Known issues: General

1. Uploading large files on OneDrive for Business, SharePoint Online, Office 365 Groups and SharePoint 2016 to document libraries with versioning enabled results in two versions: the actual file (latest version) plus a small empty file (previous version).
2. For SharePoint 2013 the maximum upload file size is browser dependent. The details are listed below:

Browser	Maximum upload file size (in MB)
Chrome	125
Opera	125
FireFox	600
Edge	1000

   Note: this does not apply to OneDrive for Business, SharePoint Online, SharePoint 2016 and SharePoint 2019 where the maximum upload file size is determined by server configuration and not the browser.
3. The maximum document size for an individual file in a zip when using “Download & Zip” is browser dependent. The details are listed below.

Browser	Maximum document size (in MB)
Chrome	1024
Edge	1024
Opera	250
FireFox	250
Safari	100

   NB: the maximum download volume is no longer restricted as of version 1.1 and up
4. Files with the extension “.map” are not uploaded
5. The check for the resulting URL length is made for the selected target location when dragging the items. If the user changes the target location the URL length calculation is not restarted, and this may result in failed uploads due to too long URLs.
6. The list with sites is retrieved through search. Hence the search needs to be available.
   In case the search is not available the SLIM Companion Explorer tree will only display the libraries in the current site.
7. Leaving SLIM Companion Explorer open in the browser and then losing network connectivity results in a message about failed retrieval of security token. The message is shown for each subsite. The messages can simply be closed.
8. SLIM Companion Explorer only supports environments with a single Managed Metadata Service.
9. The widths of the right-hand pane cannot be changed when it shows a standard SharePoint page. Changing the pane’s width is possible in all other cases (e.g., email preview).
10. Reporting on lists with multiple subfolders exceeding the SharePoint List View Lookup thresholds is not supported. Exclude subfolders by double clicking the checkbox.

11. Downloading folders from zip files present in SharePoint is not supported. Downloading multiple documents from a zip file is supported.
12. Dates are shown in a fixed date format yyyy-mm-dd and does not use the user's date format preference.
13. Move (or copy) of document sets is not supported.
14. Svg files in a zip file cannot be previewed.
15. No warning when expanding a zip file containing encrypted content.
16. Thumbnails in dwg files within a zip file cannot be previewed.
17. The duration field for mp3 files is calculated using the file size and the bit rate. This calculated value may differ from the actual duration for small mp3 files containing metadata.
18. Files using compression within the file itself (e.g., PDF or Office) that are part of a zip file are not identified as encrypted files. Files with an extension like pgp or hc within zip files are identified as encrypted files. Files encrypted by the zip tool are properly identified in all cases.
19. Detection of the following encrypted files are supported: Office files, PDF files and zip files. PDF files using "blank passwords" for users are also flagged as encrypted even though the files can be opened by users for viewing.
20. Adding new Enterprise Keywords during uploading is not supported. Note: existing Enterprise Keywords can be used when uploading new content.
21. Metadata extraction from legacy AutoCAD versions (DWG tag AC1018 and earlier, March 2005) is not supported.
22. "Mail as Attachment" on mac OS downloads an eml file with the selected file(s) attached. Opening the file using Outlook opens the email read-only. To mail the email (plus attachment(s) use the "Forward" button and modify the email's subject and body text.
23. Previewing a document and then using the left or right cursor when renaming a document or folder results in the previewing of the previous or successive document.
24. Searching across a hub site and associated sites is possible up to 70 associated sites.
25. BMP thumbnails that are present in legacy DWG versions cannot be previewed.
26. The drop-down list with sites at the top of the page only contains subsites in the root when using "REST API" as the method to retrieve sites. This problem does not surface when using "Search" to list sites.
27. The thumbnails extracted from jpg files using a partial get request do not contain orientation details. The image may be displayed with an incorrect location.
28. Part of the emails in eml format cannot be previewed. The extraction of email metadata is also not possible.
29. Functionality is limited for folders exceeding the list view threshold. The underlying reason is the performance impact when dealing with these folders. Specifically, the following functionalities are not available:
    - "Create Report"
    - "Download & Zip"
    - "Export"

- Deleting an item does not automatically refresh the list (the item is deleted from SharePoint)
- Sorting by custom column

30. Creation of a new folder in a large list (or folder) exceeding the list view threshold may not directly show the newly created folder. The contents of the large list displayed depends on the search being up to date. If the newly created folder has not been indexed, then it will not be displayed. Wait a short while for the search index to be updated and try again.
31. When an email contains another email as attachment and the email attachment contains attachments (e.g., pdf) then the attachments from the nested email are also shown in the parent email.
32. The SharePoint site associated with a private channel in Microsoft Teams is displayed as a separate site. It is not shown as a child of the SharePoint site associated with the Teams environment.
33. Uploading documents to a library configured with “Required checked out” uploads the documents as “Checked In”.
34. Files and/or folders present in subfolders in a zip file are not shown. Explorer will only show the items in the root of the zip file.
35. The function menu for libraries does not grey out options (e.g., “New Folder”) that are not available when the libraries are read-only.
36. Selecting a folder and document in the folder and then clicking “Delete” will result in an error message for the deletion of the document and the tree structure does not automatically refresh. The folder is correctly migrated to the target location and is shown after right-clicking the “Refresh” option.

5.2. Known issues: Chrome

1. Chrome may display a warning when using the “Download” functionality for multiple documents. Click “Allow” to proceed with downloading multiple documents.
2. For iPad only: disable the “Mobile Browser View” in the SharePoint site to use the Explorer tool.

5.3. Known issues: Opera

1. Opera may display a warning when using the “Download” functionality for multiple documents. Click “Allow” to proceed with downloading multiple documents.
2. No support for moving documents.

5.4. Known issues: FireFox

1. Documents without extension and a document size being a multiple of 4096 B may incorrectly be classified as folders and consequently skipped. The user is informed about this.
   To circumvent this limitation change the document name by adding a file extension prior to starting the upload request.

2. Folders uploaded through FireFox may not have the correct modification date in SharePoint / OneDrive for Business when they are mapped to the “Modified” original property. The most recent modified date of documents in a folder is used to determine the modification date for the folder in SharePoint. The modification date is set to today in case the folder only contains folders.
3. Uploading a folder structure only uploads folders containing documents. Empty folders are skipped.
4. No support for moving/copying folders/documents using drag and drop.
5. Uploading folders using drag and drop requires permissions to “Open Pop-up Windows”.

5.5. Known issues: Edge

1. Edge may display a warning when using the “Download” functionality for multiple documents. Click “Allow” to proceed with downloading multiple documents.
2. For iPad only: disable the “Mobile Browser View” in the SharePoint site to use the Explorer tool.

5.6. Known issues: Safari

1. Drag and drop of folders is supported but the user is shown a separate “Select Folder” dialog. Note: multiple documents can be uploaded directly using drag and drop without the additional dialog window.
2. No support for moving documents.

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