PMA.transfer 2.0

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PMA.transfer 2.0

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1 About PMA.Transfer

PMA.transfer is a slide transfer desktop application aimed to make slide transfer an easier process by remedying to a couple of frequent recurring problems (transfer failure, timeouts, Firewall issues, security, integrity check...)

It's available free of charge, and offers a couple of benefits including :

- Knowledge of what a slide actually is: you select a .mrxs file; the application automatically figures out to include the other files in the process.
- Runs over HTTP(S): no need to punch through firewalls.
- Error recovery in case the network connection is interrupted.
- Integrity check to verify the transferred files are not corrupt.

1.1 Who should read this

Any end user that wants to transfer slide between a local site (PMA.start) and a remote one (PMA.core or My Pathomation).

1.2 Release history

Latest release : PMA.transfer v2.0.0.50 May 2019

2 Installation

PMA.transfer relies on the presence of PMA.start, which can be downloaded free of charge through <u>http://free.pathomation.com</u>

2.1 System requirements

- Windows 7 or later
- Java runtime environment (JRE) 1.8 or later

2.2 Installation

- Extract file PMA.transfer.zip into a destination a folder
- Navigate to destination folder

Name	Date modified	Туре	Size
💁 PMA.transfer-2.0.0.50.exe	3/22/2019 7:23 AM	Application	9,396 KB
🚮 PMA.transfer.ini	3/17/2019 10:11 PM	Configuration settings	1 KB

• Double click on file PMA.transfer-2.0.0.x.exe

The Zip file is shipped with a PMA.transfer.ini file containing a preconfigured connection data, it's loaded automatically when the app is launched.

3 Site Manager

The site manager aims to make it easy for end users to store connection data related to the different Pathomation server instances (PMA.core, Pathomation cloud...).

It can be initiated via :

• click on button "Site Manager" (first to the left on the icons toolbar)



• click on Menu item "Site Manager" on Menu "File".



• Keyboard shortcut "Ctrl + M".

A PMA.transfer v2.0.0.42				- 🗆 ×
File Edit View Transfer Help				
E 🔏 🛓 💩 🗊 👓	MA.core Olou	b		
Host: https://host.pathomation.com/pma.core.2/	💁 Site Manager		- 🗆 X	ne/massive_files_upload 🛛 🔊 🔊
	Select Entry:			Window Snip
	🔻 🛅 My Sites		Server Type: PMA.core Cloud	
	PMA.core	•		
	Cloud		Encryption: HTTP I HTTPS	
Local Directory				📷 🖻 🕅 View 👻
Slidename Slide				size FileType Last Modified
🖴 C:				
	New Site	New Folder		
	New Bookmark	Rename		
	Delete	Duplicate		
<[Connect OK Cancel	-
Local file				Upload speed <-> Time Remaining
< <u>(</u>	1))
Queued upload files Queued download files	Failed transfers Su	iccessful transfers		

It enables end users to organize connection data into folders, sites, bookmarks in addition to a couple of others functionalities (rename, duplicate...)

The data generated by the site manager is stored inside file "PMA.Transfer_data.json" on user's default Windows directory :

Name	Date modified	Туре	Size
🜟 Favorites	12/14/2018 11:42	File folder	
🔁 Links	12/14/2018 11:42	File folder	
👌 Music	12/14/2018 11:42	File folder	
land ConeDrive	1/2/2019 1:40 AM	File folder	
E Pictures	12/14/2018 11:42	File folder	
🕐 Saved Games	12/14/2018 11:42	File folder	
🔎 Searches	12/14/2018 11:42	File folder	
📙 TwixTel	3/22/2018 12:45 PM	File folder	
💾 Videos	12/14/2018 11:42	File folder	
🖵 PMA.Transfer_data.json	1/7/2019 1:30 AM	JSON File	1 KB

The content of this file should not be modified!

3.1 **My Sites**

The node "My Sites" is the root of the site manager tree, it cannot be deleted or renamed.

🔻 🛅 My Sites							
PMA.core							
🕨 📒 Cloud	Cloud						
New Site	New Folder						
New Site New Bookmark	New Folder Rename						
New Site New Bookmark Delete	New Folder Rename Duplicate						

- Click on button "New Site" creates a new site inside "My Sites".Click on button "New Folder" creates a new folder inside "My Sites".

3.2 Folders

Folders organize "sites" (and consequently "Bookmarks") functionally to give end users better visibility :



- Click on button "New Site" creates a new site inside selected folder.
- Click on button "New Folder" creates a new folder inside selected folder.
- Click on button "Rename" makes the Tree item editable so the folder's name can be modified (to confirm the modifications press "Enter" key, to cancel them press "ESC").
- Click on button "Delete" deletes selected folder (and consequently everything inside is removed, which include sub-folders, sites and bookmarks!)

3.3 Sites

Sites define connection details to connect to a server instance (which can be PMA.core or cloud instance)

💁 Site Manager	— D X
Select Entry:	General Advanced
 My Sites PMA.core Host Dev Host Ask for Password Cloud 	Server Type: PMA.core Cloud Host: Encryption: HTTP HTTPS Logon Type: Normal User: Password: Comments:
New Site New Folder	
New Bookmark Rename	
Delete Duplicate	
	Connect OK Cancel

💁 Site Manager					\times
Select Entry:	General Advanced				
 My Sites PMA.core Host Dev Host Ask for Password Cloud 	General Advanced Default local directory: Browse Default remote directory: yassine Background color: Paleturguoise				
New Site New Folder New Bookmark Rename Delete Duplicate					
	Connect	ОК	Ci	ancel	

"General" & "Advanced" tabs gather the connection details for the selected site.

If "Cloud" Radio button is selected, host Text field and Encryption Radio are deactivated and switched automatically to values "host.pathomation.com", "" and "HTTPS" respectively.

For "Advanced" tab, end users can define the default local and remote directories to automatically navigate to when a successful connection is established.

It's also possible to define a background color (that will fill the logging text area) to make it visually easier for end users to identify which host are they connected to.

- Click on button "New Site" creates a new site within the same parent folder the selected site belongs to.
- Click on button "New Folder" creates a new folder within the same parent folder the selected site belongs to.
- Click on button "New Bookmark" creates a new bookmark in a new child node inside the selected site.
- Click on button "Rename" makes the Tree item editable so the site's name can be modified (to confirm the modifications press "Enter" key, to cancel them press "ESC").
- Click on button "Delete" deletes selected site (and consequently everything inside is removed, which includes bookmarks!)
- Click on button "Duplicate" copies recursively the selected site (which includes related "bookmarks") in a new node within the same parent folder it belongs to.

Once the end user is done with the modifications, he can either click on button "OK" to save them or button "Cancel" to discard them. It's worth adding that if the selected node is a site or a bookmark, it's possible to click on button "Connect" to initiate a connection and store the modifications all together.

3.4 Bookmarks

Since it's possible to have multiple slide folders on a local HDD and access multiple slide folders on server side (either PMA.core or Pathomation cloud), bookmarks offer the possibility to save favorite combinations of local/remote directories to navigate directly to once a connection is successfully initiated.

💁 Site Manager		
Select Entry:	General Advanced	
 My Sites PMA.core Host Dev Host Ask for Password yassine Cloud 	Default local directory: C:\Slide Samples\Mirax2-Fluorescence-1 Default remote directory: yassine Background color: Palegoldenrod	Browse
New Site New Folder		
New Bookmark Rename		
Delete Duplicate		
	Connect OK	Cancel

Each Bookmark belongs to a parent site and relies on it for connection data.

- Click on button "New Site" creates a new site within the parent folder of the site the selected bookmark belongs to.
- Click on button "New Folder" creates a new folder within the parent folder of the site the selected bookmark belongs to.
- Click on button "New Bookmark" creates a new bookmark next to the selected bookmark.
- Click on button "Rename" makes the Tree item editable so the bookmark's name can be modified (to confirm the modifications press "Enter" key, to cancel them press "ESC").
- Click on button "Delete" deletes selected bookmark.
- Click on button "Duplicate" copies the selected bookmark in a new node next to it.

4 Upload and download

4.1 Initiating an upload

There are four options to launch an upload :

- Select a slide on local site (Table view to the left) then click on button $extsf{theta}$
- Select a slide on local site (Table view to the left) then click on menu "Transfer" on the toolbar then select menu item "Upload slide"
- Mouse right click inside the left table view borders, then select "upload slide to remote slide" context menu item to upload the selected slide to the remote site.
- Drag & drop : drag a slide from the left, then drop it on the right. The cursor switches to on drag.

on drop and 🔽 when an operation is forbidden.

Upload of a folder (recursively) :

The upload of a folder can only be performed via a drag & drop. Once successfully initiated, The folder and its sub-directories are sub-consequently created on server side then the upload of contained slides is operated to corresponding destinations.

4.2 Monitoring an upload

Local file	Direction	Remote file	Size	Status	Progress	Upload speed <-> Time Remaining
<(·				•
Queued upload files Queued download files Failed transfers Successful transfers						

The tree table view is intended to monitor upload progress and keep track of successful/aborted uploads. The toolbar to the bottom permits to switch between queued uploads/downloads, successful and aborted ones.

Queued files :

When an upload is started, the slide (including the related files) are added to the view in a tree fashion. The progress bar, upload speed and remaining time for each file and also the whole slide keep end user informed about the upload progress.

Local file	Direction	Remote file	Size	Status	Progress	Upload speed <-> Time Remaining
▼ C:\Slide Samples\Mirax2_SizeModified\Mirax2-Flu	>>	yassine/uploads_forced_to_fail		Running		29.569 KB/s <-> 00:01:34
C:\Slide Samples\Mirax2_SizeModified\Mirax2	>>	yassine/uploads_forced_to_fail	483,714	Complete		
C:\Slide Samples\Mirax2_SizeModified\Mirax2	>>	yassine/uploads_forced_to_fail	483,714	Running		29.569 KB/s <-> 00:00:02
C:\Slide Samples\Mirax2_SizeModified\Mirax2	>>	yassine/uploads_forced_to_fail	483,714			

It's worth adding :

- For multi-file slides the files are sorted by size in descendant order to give end users the best user experience
- When the internet connection is lost, the status switches to "stalling..." till the connection is established again, then it switches back to "Running..." and the upload resumes

💁 Thumbnail integ	Thumbnail integrity check X								
Slide at origin:		Transferred slide:							
_		_	_						
# of ZoomLevels	6	# of ZoomLevels	6						
Fingerprint	d7wn8Pyd8kPX4d	Fingerprint	d7wn8Pyd8kPX4d						
Slide size	3,698,040	Slide size	3,698,040						
<	>	< []	>						

Once the upload is complete, an integrity check windows pops up to compare both slides on local/remote sites.

In case the fingerprint doesn't match, a red font is used to mark this incoherence

# of ZoomLevels	1	# of ZoomLevels	1
Fingerprint	d7wn8Pyd8kPX4d	Fingerprint	hOlq19NDzyQ_Ju/
Slide size	274	Slide size	274
<	>	<	>

Failed transfers :

By design, uploads on PMA.transfer aren't supposed to "fail", it keeps relaunching failed uploads indefinitely till a complete and successful upload is achieved. Therefor the uploads shown following a click on this button are uploads that were intentionally aborted via click on button "stop".

Successful transfers :

Keeps track of successful transfers (either uploads or downloads), while giving also end users the possibility to call back the integrity check window (this can be done via mouse right click on the root of the slide).

Local file	Direction	Remote file	Size	Time
▼ C:\Slide Samples\Mirax2_SizeModified\Mirax2-Flu		yassine/uploads_forced_to_fail/Mirax2-Fluorescence	3,698,040	Tue Jan 29 23:06:28 CET 2019
C:\Slide Samples\Mirax2_SizeModified\Mirax2	>>	yassine/u Integrity check fail/Mirax2-Fluorescence	483,714	
C:\Slide Samples\Mirax2_SizeModified\Mirax2	>>	yassine/uploads_forced_to_fail/Mirax2-Fluorescence	483,714	
C:\Slide Samples\Mirax2_SizeModified\Mirax2	>>	yassine/uploads_forced_to_fail/Mirax2-Fluorescence	483,714	
< (1	
Queued files Queued download files Failed tran	sfers Successful transfers	(1)		

4.3 Initiating a download

There are two options to launch a download :

- Select a slide on local site (Table view to the left) then click on menu "Transfer" on the toolbar then select menu item "Download slide"
- Mouse right click inside the left table view borders, then select "Download slide to local folder" context menu item.

4.4 Monitoring a download

Local file	Direction	Remote file	Size	Status	Progress	Download speed <-> Time Remaining				
<[
Queued upload files Queued download files Fa	Queued upload files Queued download files Failed transfers Successful transfers									

The tree table view is intended to monitor download progress and keep track of successful/aborted downloads. The toolbar to the bottom permits to switch between queued uploads/downloads, successful and aborted ones.

Queued files :

When a download is started, the slide (including the related files) are added to the view in a tree fashion. The progress bar, download speed and remaining time for each file and also the whole slide keep end user informed about the upload progress.

Local file	Direction	Remote file	Size	Status	Progress	Download speed <-> Time Remaining			
▼ C:\Users\myidd\Desktop\Download test\Destinati	<<	yassine/massive_files_upload/	3,698,040	Running		1365.3 KB/s <-> 00:00:02			
C:\Users\myidd\Desktop\Download test\Destin	<<	yassine/massive_files_upload/	483,714	Complete					
C:\Users\myidd\Desktop\Download test\Destin	<<	yassine/massive_files_upload/	483,714	Waiting					
C:\Users\myidd\Desktop\Download test\Destin <<		yassine/massive_files_upload/	483,714			~			
< (
Queued upload files Queued download files Fai	led transfe	ers Successful transfers (2)							

It's worth adding :

- For multi-file slides the files are sorted by size in descendant order to give end users the best user experience
- When the internet connection is lost, the status switches to "stalling..." till the connection is established again, then it switches back to "Running..." and the download resumes

Once the download is complete, an integrity check windows pops up to compare both slides on local/remote sites.

💁 Thumbnail integ	rity check		Х
Slide at origin:		Transferred slide:	
# of ZoomLevels	6	# of ZoomLevels	6
Fingerprint	d7wn8Pyd8kPX4d	Fingerprint	d7wn8Pyd8kPX4d
Slide size	3,698,040	Slide size	3,698,040
<	>	<	>

In case the fingerprint doesn't match, a red font is used to mark this incoherence

# of ZoomLevels	1	# of ZoomLevels	1
Fingerprint	d7wn8Pyd8kPX4d	Fingerprint	hOlq19NDzyQ_Ju/
Slide size	274	Slide size	274
<	>	<	>

Failed transfers :

By design, downloads on PMA.transfer aren't supposed to "fail", it keeps relaunching failed downloads indefinitely till a complete and successful download is achieved. Therefor the downloads shown following a click on this button are downloads that were intentionally aborted via click on button "stop".

Successful transfers :

Keeps track of successful transfers (either uploads or downloads), while giving also end users the possibility to call back the integrity check window (this can be done via mouse right click on the root of the slide).

Local file	Direction	Remote file	Size	Time					
C:\Users\myidd\Desktop\Download test\Destinati		yassine/massive_files_upload/Miray2_Eluprescence-2	3,698,040	Sun Mar 24 13:36:21 CET 2019					
C:\Users\myidd\Desktop\Download test\Destin	<<	yassine/massive_files_u Integrity check rescence-2	483,714	L					
C:\Users\myidd\Desktop\Download test\Destin	<<	yassine/massive_files_upload/Mirax2-Fluorescence-2/	483,714						
C:\Users\myidd\Desktop\Download test\Destin	<<	yassine/massive_files_upload/Mirax2-Fluorescence-2/	483,714						
K.(
Queued upload files Queued download files Fa	iled transfers Successful t	ransfers (3)							

5 Menu bar & Toolbar

5.1 Menu bar

Composed of five menu items : "File", "Edit", "View", "Transfer", "Help"

File Ed	dit Vie	w Trai	nsfer H	lelp
---------	---------	--------	---------	------

5.1.1 File



- Click on "Site Manager" launches Site manager window
- Click on "Exit", shuts down PMA.Transfer

5.1.2 Edit

File	Edit	Vie	w	Tra	nsfer	Help	
i	Clear log		t				
Host:							

• Click on "Clear log", clears logging messages in the text area below connection text fields

5.1.3 View



- Click on "Refresh local site", refreshes the table view to the left related to content on end user's local computer.
- Click on "Full screen" switches to full screen display.

5.1.4 Transfer



- Click on "upload slide" : Enabled when a slide on local HDD is selected, it initiates an upload to the remote site PMA.transfer is actually connected to (a couple of checks are operated before an upload can be started : duplicate slide name, slide already being uploaded, no connection...)
- Click on "Stop all uploads" : Enabled when there are active uploads running, it aborts all current running uploads.
- Click on "Download slide" : Enabled when a slide on remote site is selected, it initiates a download to the selected destination on local site (a couple of checks are operated before a download can be started : creation of destination folders, duplicate slide name, slide already being downloaded, no connection...)
- Click on "Stop all downloads" : Enabled when there are active downloads running, it aborts all current running downloads.

5.1.5 Help



- Click on "Manual" downloads latest version of PMA.transfer manual.
- Click on "Supported file formats" loads a table view of the supported file formats by PMA.transfer.

💁 Supported file formats					×
vendor	extension	compression	brighfield	fluo	zstack
TIFF	.tif, .tiff	JPEG, JPEG2000, LZW, Deflate, Raw, RLE	\checkmark		î
JPEG	.jpeg, .jpg	JPEG	\checkmark		
JPEG 2000	.jp2	JPEG2000	\checkmark		
PNG	.png	PNG	\checkmark		
Olympus VSI	.vsi	lossless JPEG, JPEG, Raw	\checkmark	\checkmark	
Olympus WebView	.xml	JPEG	\checkmark		
Ventana / Roche BIF	.bif	JPEG	\checkmark		\checkmark
Hamamatsu VMS	.vms	JPEG	\checkmark		
Hamamatsu NDPI	.ndpi	JPEG	\checkmark	\checkmark	\checkmark
Hamamatsu NDPIS (Image Set)	.ndpis	JPEG	\checkmark	\checkmark	\checkmark
Hamamatsu DICOM	.dcm	JPEG, JPEG2000	\checkmark		
Huron Technologies	.tif	JPEG	\checkmark		
3DHistech MRXS	.mrxs	JPEG, PNG, BMP	\checkmark	\checkmark	\checkmark
Aperio / Leica SVS	.SVS	JPEG, JPEG2000	\checkmark	\checkmark	\checkmark
Aperio / Leica AFI (Image Set)	.afi	JPEG, JPEG2000	\checkmark	\checkmark	\checkmark
Aperio / Leica CWS	CWS	IPEG	1		~

• Click on "Helpdesk" redirects to a web interface to create a support ticket.

Support Center Home Open a New Ticket Check Ticket Status Welcome to the Support Center In order to streamline support requests and better serve you, we utilize a support ticket system. Every support request is assigned a unique ticket number which you can use to track the progress and responses online. For your reference we provide complete archives and history of all your support requests. A valid email address is required to submit a ticket. Open a New Ticket Support Center Open a New Ticket Check Ticket Status Open a New Ticket Support Suppor	er Sign I
Welcome to the Support Center In order to streamline support requests and better serve you, we utilize a support ticket system. Every support request is assigned a unique ticket number which you can use to track the progress and responses online. For your reference we provide complete archives and history of all your support requests. A valid email address is required to submit a ticket.	
In order to streamline support requests and better serve you, we utilize a support ticket system. Every support request is assigned a unique ticket number which you can use to track the progress and responses online. For your reference we provide complete archives and history of all your support requests. A valid email address is required to submit a ticket.	ket
	atus

• Click on "About" pops up an interface regarding general information about PMA.transfer



5.2 Toolbar



From left to right :

- Site Manager : launches site manager window
- Disconnect : disconnect from current session, if no connection is already established an alert dialog pops up for notification.
- Start upload : Enabled when a slide on local HDD is selected, it initiates an upload to the remote site PMA.transfer is actually connected to (a couple of checks are operated before an upload can be started : duplicate slide name, slide already being uploaded, no connection...)
- Stop upload : Enabled when there are active uploads running, it aborts all current running uploads.
- Clear log : Clears logging messages in the text area below connection text fields
- Switch Mode : To switch between a PMA.core server and Pathomation cloud (it operates the necessary disconnections if required)

5.3 Connection bar & Logging text area

For PMA.core :

Host:		Username:	Password:	Folder:	Connect
status:	Trying to connect				
status:	Resolving address of				
status:	Connecting to				
status:	Connection established				
status:	Loading directory on PMA.core				
status:	Directory successfully loaded				

- Host : PMA.core instance to connect to, it should be in this form "http(s)://xxxxx/pma.core.2/"
- Username & Password : connection credentials
- Folder : Remote directory on server to navigate to if connection is successful

For My Pathomation :

- Email : The email address used to subscribe to Pathomation cloud.
- Password : Password received on inbox once the subscription & payment are validated.
- Folder : disabled text field, end user can only connect to its own subscription folder.

6 Table view for local site

6.1 Folders navigation tree

Lo	ocal Directory	💁 Select directory to navigate to 🛛 🗙	🕞 🖪 View 👻
	Slidena	🔻 🖴 C:	Last Modified
	C:	🕨 늘 Intel	
		🕨 📒 PerfLogs	
		🕨 늘 Program Files	
		🕨 🛅 Program Files (x86)	
		🕨 🛅 Slide Samples	
		🕨 🛅 SymCache	
		🕨 🛅 Users	
		🕨 🛅 Windows	
_			
< [>
	Lo		mote file Size
		OK Cancel	

Click on button "Local Directory" opens a tree view window to select folder to navigate to. Action takes places by a click on button "OK", while "cancel" simply cancels operation.

6.2 Create new folder



Click on this button pops up the following dialog window :

💁 PMA.transfer	×
Add new folder	Ð
Enter new folde	r's name
ОК	Cancel

Name of the folder to be created should be added on the text field then a click on button "OK" for confirmation. If operation is successful, the folder is added and the table view is automatically refreshed to show the newly created folder, otherwise one of the following windows pops up :

• If the operation is prohibited :



• If operation fails (duplicate folder name, access rights..):

💁 PMA.transfer	×
Could not create new folder	×
Something went wrong.	
	ОК

6.3 Menu button View



Composed of three menu items : Details, Thumbnails, Refresh

Details :

This is the default view mode for the table view, it includes an icon, "Slidename", "Slidesize", "FileType", "Last Modified" columns

Thumbnails :

This view mode should be selected when it's needed to view the thumbnails of a slide (or a couple of slide). It includes an icon and a "Slidename" columns.

Local Directory	C:\Slide	e Samples	🔁 📘 View	•
	_	Slidename		
11		clear.png		Â
1,10		CMU-1.svs		U
		disconnect.png		>~

Refresh :

Refreshes the table view (it's worth noting that the table view, buttons "Add folder" and "View" get deactivated till the refresh is complete)

6.4 Context menu

	Slidename	Slide	size	FileType	La	ast Modified	
t							Â
	Mirax2.2-4-BMP			File folder			
	Mirax2_SizeModified			File folder			
	Mirax2-Fluorescence-1			File folder			
	Mirax2-Fluorescence-2			File folder			
-	clear.png	274		PNG File	Thu Jul 26 19:4	45:52 CEST 2018	
-	CMU-1.svs	177,552	570	CV/C FT	W 14 00.0	22:01 CEST 2018	
-	disconnect.png	829	Open s	lide in PMA.s	start	5:50 CEST 2018	
-	JP2K-33003-1 - Copy.svs	63,847,2	Upload	l slide to rem	ote site):22 CET 2018	
	IP2K-33003-1 svs	63 847 2	Inspect	t slide	Ctrl+l	0-22 CFT 2018	~

Initiated via mouse right click inside the table view borders, it's Composed of three menu items : "Open slide in PMA.start", "Upload slide to remote site", "inspect slide"

Open slide in PMA.start :

Opens the slide in PMA.start



Upload slide to remote site :

Will be discussed in details later on this tutorial.

Inspect slide :

Information data regarding the slide (Thumbnail, fingerprint, size...)

💁 Inspect Slide		-		×
File Name	C:\Slide Samples\Mir			
Width	10,752			
Height	13,568			
Max Zoom Level	5			
Micrometes per pixel X	0.3225			
Micrometes per pixel Y	0.3225			
Physical size	65,782,837 bytes			_
Tile size	512			
Loose finger print	8aqp3jcLchYgL2JSAzl			
Strict finger print	eybhQI-nRwP4yZ4oh			
Barcode text	25058c19			
Layers	1			
Channels	3	p231 50	0µm	1
<	>	RQ 5068 c4 J&J	AcH3 250	58

6.5 Navigation

•

- Double click to navigate into a folder
- Double click on this row (to the top) to navigate to a parent folder

Slidename A Slidesize FileType Last Modified

Click on column headers to sort content in the table view by slides' name, slides' size, file type (folder or slide) and last modification date in ascendant or descendant order.

7 Table view for remote site

7.1 Folders navigation tree

Re	emote Directory ya	Select directory to navigate to X	Ca View 👻
	Slidena	▼ 📇 \host PMA.Core.2	Last Modified
t		analysis	
	massive_files_upload	🕨 🚞 CanvasDemo	
	overnight_upload	Cases	
	recursive	▶ 📒 d0030	
	test	DBB	
	test2	fuhrmann	
	test3	🕨 🔚 jnj	
	uploads_forced_to_fa	▶ 📒 P0012	
-	Test.jpg	P0017_escop	lar 23 20:32:31 CET 2019
4		P0017_escop_hdd	
	Status	P0036 bwp	d <-> Time Remaining
		OK Cancel	

Click on button "Remote Directory" opens a tree view window to select folder to navigate to. Action takes places by a click on button "OK", while "cancel" simply cancels operation.

7.2 Create new folder



Click on this button pops up the following dialog window :

💁 PMA.transfer	×
Add new folder	Ð
Enter new folde	er's name
ОК	Cancel

Name of the folder to be created should be added on the text field then a click on button "OK" for confirmation. If operation is successful, the folder is added and the table view is automatically refreshed to show the newly created folder, otherwise one of the following windows pops up :

• If the operation is prohibited :



• If operation fails (duplicate folder name, access rights..):

A PMA.transfer	×
Could not create new folder	\times
Something went wrong.	
	ОК

7.3 Menu button View



Composed of four menu items : Details, Thumbnails, Back to initial folder and Refresh.

Details :

This is the default view mode for the table view, it includes an icon, "Slidename", "Slidesize", "FileType", "Last Modified" columns

Thumbnails :

This view mode should be selected when it's needed to view the thumbnails of a slide (or a couple of slide). It includes an icon and a "Slidename" columns.

Back to initial folder :

This can be very useful to get back to initial folder of connection following series of navigation to parent/children folders.

Refresh :

Refreshes the table view (it's worth noting that the table view, buttons "Add folder" and "View" get deactivated till the refresh is complete)

7.4 Context menu

	Slidename	Slide	esize	FileType	Last N	lodified	
t							Â
	massive_files_upload			File folder			
	overnight_upload			File folder			
	uploads_forced_to_fail			File folder			
-	clear.png	274		PNG File	Tue Jan 29 03:29:3	6 CET 2019	
-	sample.jpg	932,672		JPG File	Mon Jan 28 00:50:	13 CET 2019	
-	sample2.jpg	932,672	Open s	lide in PMA.c	ore)3 CET 2019	U
-	sample3.jpg	932,672	Downlo	ad slide to lo	ocal folder	13 CET 2019	
-	start.png	268	Inspect	slide	Ctrl+S	4 CET 2019	
	Testino	2 765 45	8	IPG File	Tue Ian 29 03:43:5	7 CFT 2019	>~

Initiated via mouse right click inside the table view borders, it's Composed of three menu items : "Open slide in PMA.core", "Download slide to local folder", "inspect slide"

Open slide in PMA.core :

Opens selected slide in PMA.core viewer



Download slide to local site :

Will be discussed in details later on this tutorial.

Inspect slide :

Information data regarding the slide (Thumbnail, barcode, fingerprint, size...)

					2
File Name	yassine/massive_files				
Width	10,752				
Height	13,568				
Max Zoom Level	5				
Micrometes per pixel X	0.3225				
Micrometes per pixel Y	0.3225				
Physical size	3,698,040 bytes				
Tile size	512				
Loose finger print	8aqp3jcLchYgL2JSAz				
Strict finger print	vROhwnckyifyбor4yd				
Barcode text	25058c19				
Layers	1			159-19	
Channels	3	p23	1 500	μm	

7.5 Navigation

- Double click to navigate into a folder
- Double click on this row (to the top) to navigate to a parent folder

Slidename		Slidesize	FileType	Last Modified
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Click on column headers to sort content in the table view by slides' name, slides' size, file type (folder or slide) and last modification date in ascendant or descendant order.