



MyBox: Easy Tools Set User Guide - Overview

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Version: 6.7.5

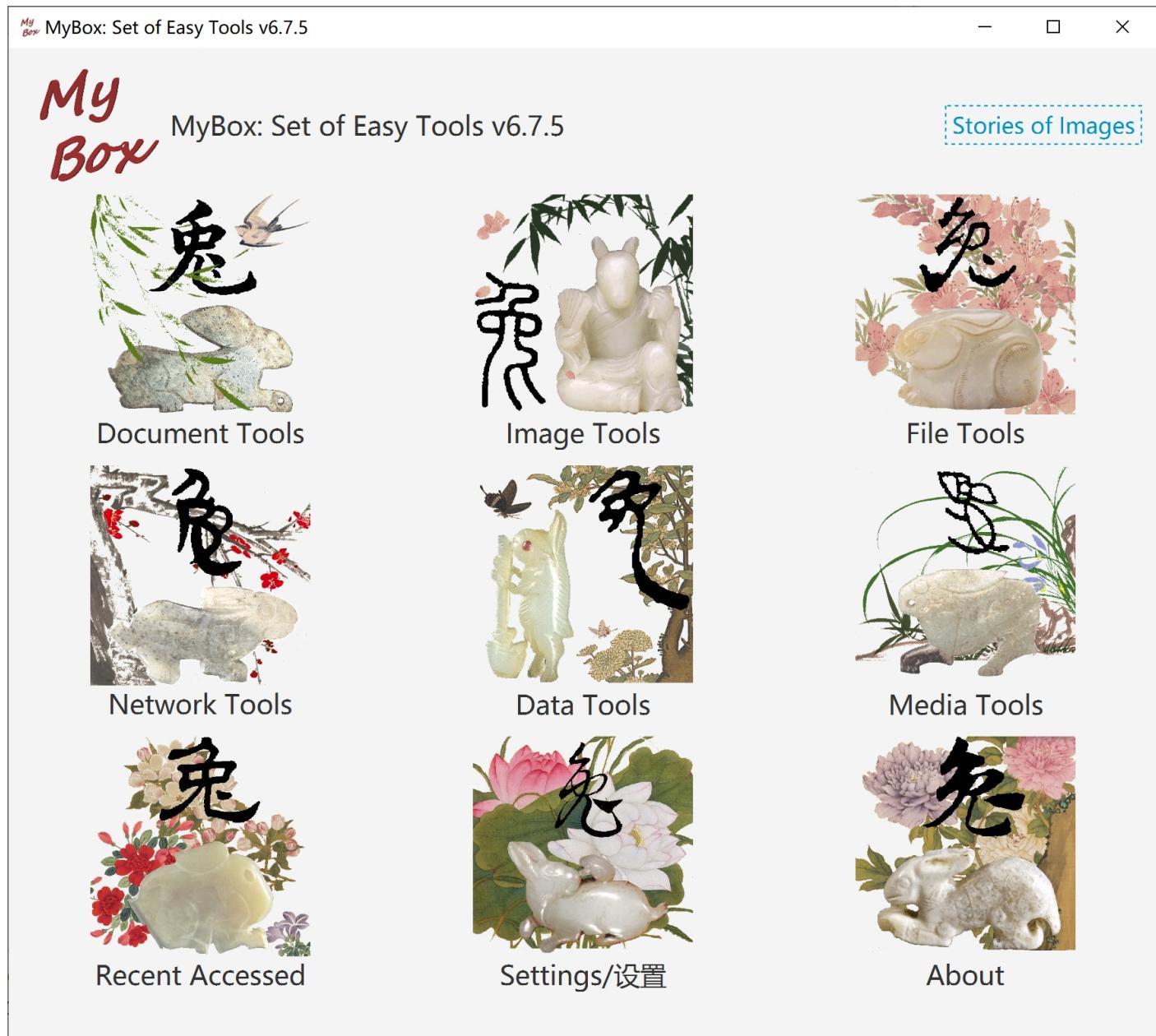
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1 Introduction

This is desktop application based on JavaFx to provide simple and easy functions. It's free and open sources.



1.1 What's New

2023-7-23 v6.7.5

- Added:
 - SVG editor
 - Make typesetting of SVG files in batch
 - Convert SVG files to images/PDFs in batch
- Improved:
 - In file interface, provide pane to list files of same types under same directory.
 - When edit image, points of polyline and polygon can be edited and dragged to adjust the shape.
 - When edit image, simplify types of scopes: if colors list is empty then match all colors.
 - When analyse image, option to sort colors data.
 - When repeat image, option to crop and scale original image.
 - When edit XML file, XML codes can be inputted to add new node.
 - Function menu in tabs of web browser to close tabs more easily.
 - Shortcuts of button “Go” are F9 and CTRL+g. Shortcut of button “Clear” is CTRL+l(lowercase of ‘L’).
- Removed: Event “double-click” is not handled for image any more.
- Solved problems:
 - Image OCR fails in last 2 versions.
 - When scale image, the inputted width and height do not work.
 - When edit image, shadow should be behind the text.
 - Dominant pie is not picked in the generated html when analyse image.
 - Frames pane should be always shown for tif/gif file.

[Closed requirements/bugs in this version](#)

1.2 Notice

Without enough testings, MyBox has low reliability and bad stability. When use MyBox, following may happen:

- Files/Data are damaged.
- Output wrong results.
- Functions fail.
- Other unexpected behaviours.

1.3 Cross Platforms

MyBox is implemented in pure Java and only based on open sources, and it can run on platforms which support Java 20.

Versions before v5.3 are based on Java 8.

1.4 Internationalized

1. All codes of MyBox are internationalized. Language can be switched in time.
2. Each language is defined in one resource files, like: "Messages_NAME.properties".
3. Support adding new languages online. Table is provided with English as comparison. New languages take effects at once.
Example, the new language is named as "aa", and its resource files are Messages_aa.properties.
4. Translated languages can be shared with others: Put the files under "mybox_languages" of data path and MyBox is aware of them immediately.
5. Embed Chinese and English, whose files are under path MyBox/src/main/resources/bundles/.

Language	Resource file of interface
Chinese	Messages_zh_CN.properties
English	Messages_en.properties

1.5 Personal

1. All functions are executed in local host.
2. All data are saved in local host.
3. No register/login/DataCenter/Cloud.
4. Access network only when user requests.
5. Only read/write data which user need.

1.6 Friendly

1. Provide tips of current function/interface.
2. Remember user's inputs or selections, and provide histories list.
3. Interfaces can be adjusted and some panes can be hidden.
4. Behaviours of some controls can be chosen.
5. Provide context menu and function menu to texts/image/html/data.
6. Current texts/image/html/data can be popped.
7. Clipboards of texts/image/data can be managed.
8. Provide examples and useful information.
9. Appearance of interface and controls can be chosen and modified.

1.7 Data Compatible

1. Exported data are in common text formats, like txt/csv/xml/json/html.
2. Imported data are in common text format, like txt/csv.
3. At least one exported format can be imported.
4. Imported data are self-contain, that original data can be rebuilt without extra data.

1.8 Embedded Database System

1. Derby is free and open sources:
 - When start MyBox for the first time, some seconds are cost to create internal database tables and write initial data.
 - All database files are under data path, so different target data sets can be handled by switching data paths.
 - Multiple MyBox instances can share data by visiting same data path.
 - When database files not found under data path(damaged or deleted unexpectedly), MyBox can create database automatically.
2. Derby runs in embedded mode by default:
 - External processes can not access the database.
 - Only one MyBox instance can use the database at the same time.
3. Derby can run in network mode:
 - The first visitor becomes the server.
 - Processes of local host can visit the database in port 1527 and becomes its clients.
 - Processes out of local host can not visit the database directly.
4. MyBox internal tables save the data required by all functions. User can access and modify the internal data online.
5. User can define customized database tables.
6. User can view and edit definitions and data of database tables in paginated tables, and execute SQL statements.
7. To implement data sorting, transposing, statistic, and grouping, MyBox will create temporary database tables, and clear them in time.

1.9 Assit Coding Self

1. Monitor memory/CPU usage in real time.
2. Adjust logging online.
3. Generate icons automatically.
4. Edit and apply languages online.
5. Test automatically.
6. All kinds of documents.

2 Resources Addresses

Contents	Link
Project Main Page	https://github.com/Mararsh/MyBox/
Source Codes and Compiled Packages	https://github.com/Mararsh/MyBox/releases
Submit Software Requirements and Problem Reports	https://github.com/Mararsh/MyBox/issues
Data	https://github.com/Mararsh/MyBox_data
Documents	https://github.com/Mararsh/MyBoxDoc
Mirror Site	https://sourceforge.net/projects/mara-mybox/files/
Cloud Storage	https://pan.baidu.com/s/1fWMRzym_jh075OCX0D8y8A#list/path=%2F

The screenshot shows a GitHub repository page for 'Mararsh / MyBox'. The top navigation bar includes links for Pull requests, Issues, Marketplace, and Explore. Below the navigation bar, there are sections for Code, Issues (41), Pull requests, Discussions, Actions, Projects, Wiki, Security, Insights, and Settings. A red circle highlights the 'Code' button in the top right of the main content area. Another red circle highlights the 'v6.5.8' release entry in the 'Releases' section, which shows 89 releases and was updated 18 days ago.

3 Documents

Name	Version	Time	English	Chinese
Development Logs	6.7.5	2023-7-23	html	html
Shortcuts	6.7.5	2023-7-23	html	html
Functions list	6.7.5	2023-7-23	html	html
Packing Steps	6.7.2	2023-4-16	html	html
Development Guide	2.1	2020-8-27	PDF odt	PDF odt
User Guide - Overview	6.7.5	2023-7-23	html PDF odt	html PDF odt
User Guide - Data Tools	6.7.2	2023-4-16	html PDF odt	html PDF odt
User Guide - Document Tools	6.7.1	2023-3-13	html PDF odt	html PDF odt
User Guide - Image Tools	6.7.2	2023-4-16	html PDF odt	html PDF odt
User Guide - File Tools	6.7.1	2023-3-13	html PDF odt	html PDF odt
User Guide - Network Tools	6.7.2	2023-4-16	html PDF odt	html PDF odt
User Guide - Media Tools	6.7.1	2023-3-13	html PDF odt	html PDF odt
User Guide - Development Tools	6.7.1	2023-3-13	html PDF odt	html PDF odt
Tips in Interfaces	6.7.5	2023-7-23	html	html
About - Data in Two-dimensional Storage Structure	6.7.3	2023-5-22	html	html
About - row expression and row filter	6.7.2	2023-4-16	html	html
About - data grouping	6.7.1	2023-3-13	html	html
About - Data Analysis	6.6.1	2022-11-16	html	html
About - Coordinate System	6.6.1	2022-11-16	html	html
About - Color	6.6.1	2022-11-16	html	html
About - Media	6.6.1	2022-11-16	html	html
About - Items in one sentence about java	6.7.3	2023-5-22	html	html
About - Items in one sentence about javafx	6.7.3	2023-5-22	html	html
Examples - Information in Tree	6.6.1	2022-11-16	html	html
Examples - Favorite Address	6.6.1	2022-11-16	html	html
Examples - Notes	6.7.2	2023-4-16	html	html
Examples - SQL	6.6.1	2022-11-16	html	html
Examples - JShell	6.6.1	2022-11-16	html	html
Examples - JEXL	6.6.1	2022-11-16	html	html
Examples - JavaScript	6.6.1	2022-11-16	html	html
Examples - Math Function	6.6.1	2022-11-16	html	html
Examples - Row Filter	6.6.1	2022-11-16	html	html
Palette - Common Web Colors	6.7.3	2023-5-22	rgba all	rgba all

Name	Version	Time	English	Chinese
Palette - Chinese Traditional Colors	6.7.3	2023-5-22	rgba all	rgba all
Palette - Japanese Traditional Colors	6.7.3	2023-5-22	rgba all	rgba all
Palette - Colors from colorhexa.com	6.7.3	2023-5-22	rgba all	rgba all
Palette - Art hues wheel(RYB) - 12 colors	6.7.3	2023-5-22	rgba all	rgba all
Palette - Art hues wheel(RYB) - 24 colors	6.7.3	2023-5-22	rgba all	rgba all
Palette - Art hues wheel(RYB) - 360 colors	6.7.3	2023-5-22	rgba all	rgba all
Palette - Optical hues wheel(RGB) - 12 colors	6.7.3	2023-5-22	rgba all	rgba all
Palette - Optical hues wheel(RGB) - 24 colors	6.7.3	2023-5-22	rgba all	rgba all
Palette - Optical hues wheel(RGB) - 360 colors	6.7.3	2023-5-22	rgba all	rgba all
Palette - Art paints	6.7.3	2023-5-22	rgba all	rgba all
Palette - MyBox Colors	6.7.3	2023-5-22	rgba all	rgba all
Palette - Gray scale	6.7.3	2023-5-22	rgba all	rgba all
Stories of Images	6.7.2	2023-4-16	html PDF odt	html PDF odt
Useful links	6.7.5	2023-7-23	html	html

4 Download and Execution

4.1 Source Codes

Source Codes	Size	Development Guide	Packing Steps
MyBox-src.zip	65M-	pdf	html

4.2 Self-contain packages

Self-contain packages include all files and need not java env nor installation.

Platform	Link	Size	Launcher
win10 x64	MyBox-win-x64.zip	260MB-	MyBox.exe
CentOS 7 x64	MyBox-CentOS7-x64.tar.gz	300MB-	MyBox
mac	MyBox-mac.dmg	280MB-	MyBox.app

User can double click the launcher to start MyBox or run it by command line. The default “Open Method” of image/text/PDF files can be associated to MyBox and a file can be opened directly by MyBox by double clicking the file’s name.

4.3 Jar

When JRE or JDK([Oracle jdk](#) or [open jdk](#)) is installed, jar can run:

Platform	Link	Size	Requirements
win	MyBox-win-jar.zip	200MB-	Java 20 or higher
linux	MyBox-linux.jar.gz	220MB-	Java 20 or higher
mac	MyBox-mac.jar.gz	200MB-	Java 20 or higher

Run following command to launch this program with Jar package:

```
java -jar MyBox.jar
```

A file path can follow the command as argument to be opened directly by MyBox. Example, following command will open the image:

```
java -jar MyBox.jar /tmp/a1.jpg
```

4.4 Versions

Contents of this document may be expired, but its links refer to the latest versions.

The latest versions and all archived versions can be downloaded in following addresses:

address	dowloads	readme
github	https://github.com/Mararsh/MyBox/releases	English Chinese
sourceforge	https://sourceforge.net/projects/mara-mybox/files/	English Chinese
cloud	https://pan.baidu.com/s/1fWMRzym_jh075OCX0D8y8A#list/path=%2F	

4.5 Configuration

Configuration file is under “User Home”:

Platform	Path of MyBox Configuration File
win	C:\users\UserName\mybox\MyBox_vVersion.ini
linux	/home/UserName/mybox/MyBox_vVersion.ini
mac	/Users/UserName/mybox/MyBox_vVersion.ini

Add parameter “config="FilePath"" when run jar to change configuration file temporarily.
Function “Settings” can be used to change configuration values.

4.6 Backup and Recover

1. To backup, copy directories to other places.
2. To recover, override current directories with backup directories.
3. Need not backup each directory under data path.

Predefined directories under data path are listed below. Only directories of “referred by database” need backups:

directory	role	internal referred	read/write automatically	referred by database	cleared automatically
AppTemp	temporary files	yes	yes		yes
buttons	customized buttons	yes	yes		
data	internal data	yes	yes		
dataClipboard	data clipboard	yes	yes	yes	
doc	internal documents	yes	yes		
downloads	download files		yes		
fileBackups	files' backups	yes	yes	yes	
generated	generated files		yes		
ICC	ICC profiles	yes	yes		
icons	icon files	yes	yes		
image	image files	yes	yes		
imageClipboard	image clipboard	yes	yes	yes	
imageHistories	image edit histories	yes	yes	yes	
imageScopes	image scopes	yes	yes	yes	
js	javascript	yes	yes		
logs	database logs		yes		
map	map files	yes	yes		
mybox_derby	database	yes	yes	yes	
mybox_languages	customized languages	yes	yes		
security	cert files	yes	yes		
sound	sound files	yes	yes		

4.7 Migration

1. Each version has itself's configuration file. New version can copy parameters from existed versions.
2. Data handled in each version are under “Data Directory” referred by it. Multiple versions can refer to same data directory.
3. MyBox is backward compatibility: Later version can work on data of previous versions. While forward compatibility is not supported: Wrong may happen when old version handles data of new version.

5 Implementation

MyBox is based on following open sources:

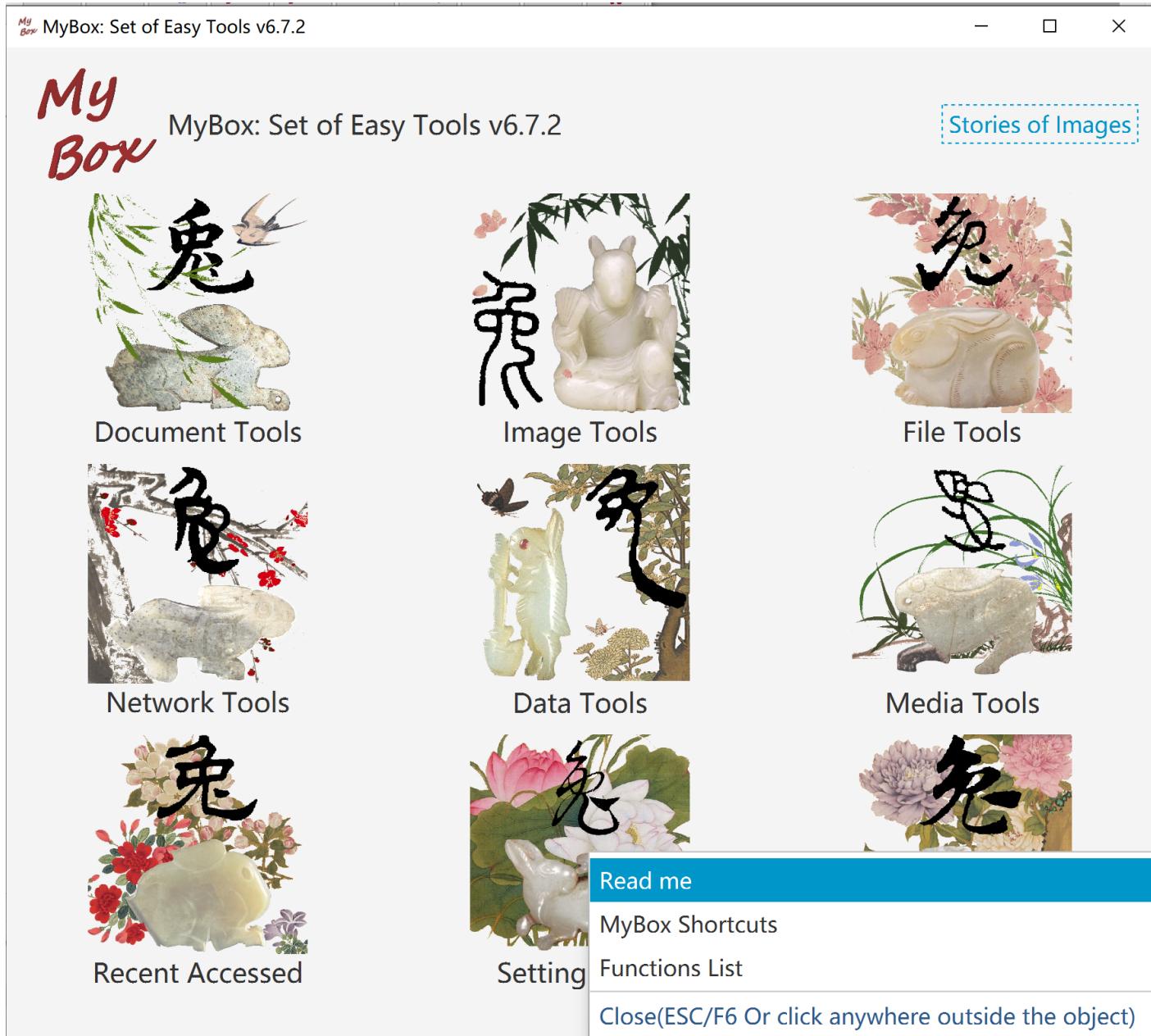
Name	Role	Link
JDK	Java	http://jdk.java.net/
		https://www.oracle.com/technetwork/java/javase/downloads/index.html
		https://docs.oracle.com/en/java/javase/20/docs/api/index.html
JavaFx	GUI	https://gluonhq.com/products/javafx/
		https://docs.oracle.com/javafx/2/
		https://gluonhq.com/products/scene-builder/
		https://openjfx.io/javadoc/20/
Derby	Database	http://db.apache.org/derby/
NetBeans	IDE	https://netbeans.org/
jpackage	pack	https://docs.oracle.com/en/java/javase/20/docs/specs/man/jpackage.html
maven	build	https://maven.apache.org/
jai-imageio	Image manufacture	https://github.com/jai-imageio/jai-imageio-core
PDFBox	PDF manufacture	https://pdfbox.apache.org/
PDF2DOM	PDF to html	http://cssbox.sourceforge.net/pdf2dom/
GifDecoder	Decode broken gif	https://github.com/DhyanB/Open-Imaging/
EncodingDetect	Determine encoding of text file	https://www.cnblogs.com/ChurchYim/p/8427373.html
Lindbloom	Color theory	https://icons8.com/icons/set/home
Free Icons	Icon	http://brucelindbloom.com/index.html
tess4j	OCR	https://github.com/nguyenq/tess4j
tesseract	OCR	https://github.com/tesseract-ocr/tesseract
barcode4j	Create barcodes	http://barcode4j.sourceforge.net
zxing	Create/Decode barcodes	https://github.com/zxing/zxing
flexmark-java	Convert Markdown	https://github.com/vsch/flexmark-java
commons-compress	archive/compress	https://commons.apache.org/proper/commons-compress
XZ for Java	archive/compress	https://tukaani.org/xz/java.html
ffmpeg	convert/create medias	http://ffmpeg.org
image4j	ico format	https://github.com/imcdonagh/image4j
AutoCommitCell	Submit updates	https://stackoverflow.com/questions/24694616_(Ogmios)
GaoDe	Map	https://lbs.amap.com/api/javascript-api/summary
GaoDe	Coordinate	https://lbs.amap.com/api/webservice/guide/api/georegeo

Name	Role	Link
WeiBo	Image materials	https://weibo.com/3876734080/InmB1aPiL? type=comment#_rnd1582211299665
poi	Microsoft Documents	https://poi.apache.org
LabeledBarChart	JavaFx charts	https://stackoverflow.com/questions/34286062/how-to-clear-text-added-in-a-javafx-barchart/41494789#41494789 (Roland)
commons-csv	CSV	https://commons.apache.org/proper/commons-csv/
geonames	Location data	https://www.geonames.org/countries/
world-area	Location data	https://github.com/wizardcode/world-area
China National Bureau of Statistics	Data	http://www.stats.gov.cn/tjsj/tjbz/tjyqhdmhcxhfdm/
JHU	COVID-19 data	https://github.com/CSSEGISandData/COVID-19
Website	Color data	https://tool.lanrentuku.com/color/china.html
Book	Materials	https://book.douban.com/subject/3894923/
National Geomatics Center of China	Map	http://lbs.tianditu.gov.cn/api/js4.0/guide.html
movebank	Location data	https://www.datarepository.movebank.org
CoordinateConverter	convert coordinates	https://www.jianshu.com/p/c39a2c72dc65?from=singlmessage
JavaMail	email	https://javaee.github.io/javamail/
Commons IO	File IO	https://commons.apache.org/proper/commons-io/
colorhexa	Color data	https://www.colorhexa.com/color-names
WQY	Font file	http://wenq.org/wqy2/
ttc2ttf	Extract ttf	https://github.com/fermi1981/TTC_TTF
sfds	Handwriting	https://book.douban.com/subject/10465940/
Book	Materials	http://www.sfds.cn/725B/
PaginatedPdfTable	PDF	https://github.com/eduardohl/Paginated-PDFBox-Table-Sample
jsoup	DOM	https://jsoup.org/
ZhiHu	Materials	https://www.zhihu.com/question/41580677/answer/1300242801
commons-math	Calculation	https://commons.apache.org/proper/commons-math/index.html
JEXL	Calculation	https://commons.apache.org/proper/commons-jexl
OpenOffice	Document	http://www.openoffice.org/
nashorn	JavaScript	https://openjdk.org/projects/nashorn/
echarts-gl	WebGL	https://github.com/ecomfe/echarts-gl
RYB hues	art colors	https://blog.csdn.net/weixin_44938037/article/details/90599711
jsch	sftp	http://www.jcraft.com/jsch/
jackson	json	https://github.com/FasterXML/jackson
batik	SVG	https://xmlgraphics.apache.org/batik/

6 Common Functions in Interfaces

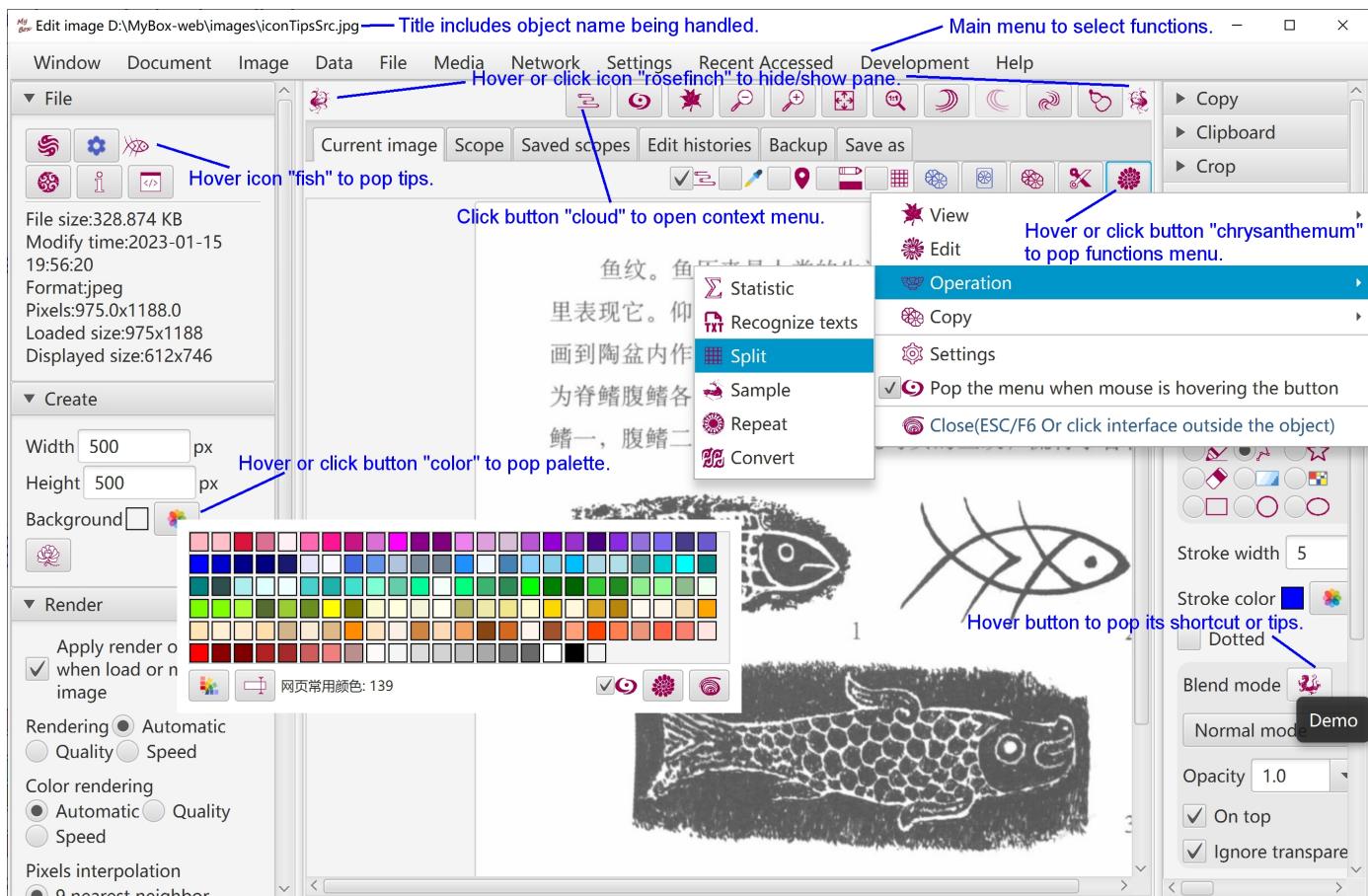
6.1 Main Interface

Main interface is shown after MyBox is launched. Move mouse over one icon to pop its menu. Then select a tool to start.



6.2 Interface Layout

1. Window title includes the object name being handled.
2. Main menu in top to open windows of functions.
3. Some interfaces include pagination toolbar which is generally in bottom.
4. Some interface include icon Fish. Hover mouse upon it to pop tips.
5. Some interfaces include left pane or right pane. If icon Rosefinch is there, hover mouse upon it to hide/show the pane.
6. To some buttons, checkbox, or icon, shortcut or tips will be popped when hover mouse upon them.

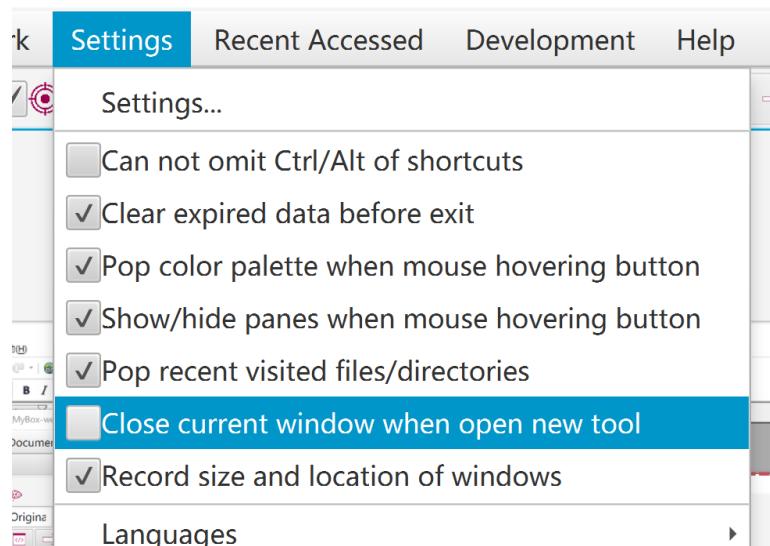


6.3 Set Font Size

1. Decrease font size by press key “CTRL” and key “-” at same time.
2. Increase font size by press key “CTRL” and key “=” at same time.
3. Select one font size of 12px, 15px, and 17px by click menu item directly.
4. Set font size in Setting window.

6.4 Open New Stage

To open new window for new scene and keep current scene in current window, **do not select** menu item “Settings”-“Close current window when open new tool”.

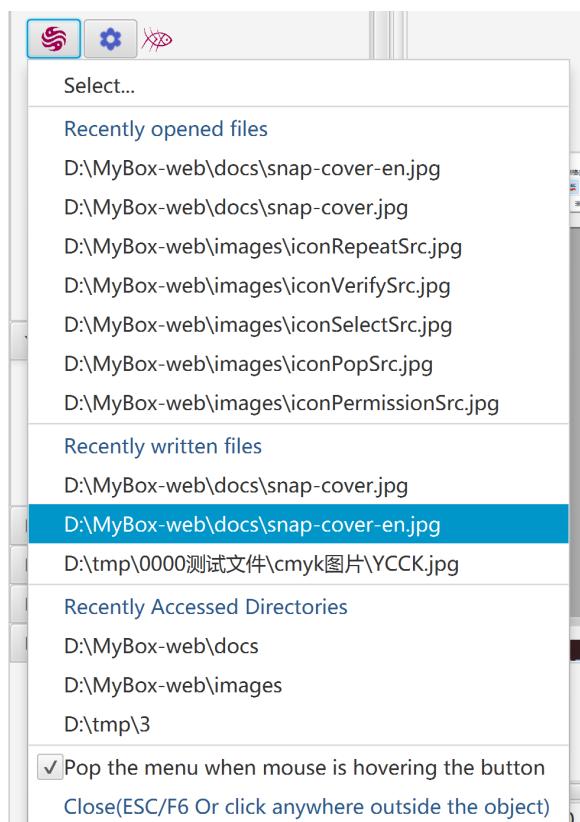


6.5 Restore Scene Size

By selecting menu item “Settings”-“Record size and location of windows”, recent size and location of each stage will be saved and restored when it is opened again.

6.6 Recent Visited Files/Directories

When menu item “Settings”-“Pop recent visited files/directories” is selected, each access of files/directories will be record and list will be popped when mouse is moved upon the button of selection. Example:



6.7 Data Table

The screenshot shows the MyBox Data Table interface with the following annotations:

- Select rows and click buttons to handle.**: Points to the toolbar buttons above the table.
- Click header to sort rows.**: Points to the "year_" column header.
- Drag header to adjust order of columns.**: Points to the "population at ye..." column header.
- Click data cell to edit.**: Points to a cell containing "60266.1".
- Press Enter or click other location to commit.**: Points to the same cell with the text "60266.1|".
- Pagination**: Points to the pagination controls at the bottom.
- Hide/show columns.**: Points to the "Table*" button in the toolbar, which opens a sidebar with checkboxes for columns.

Table r...	Data row	year_	population at ye...	male(ten t...	female(te...	urban(ten tho...	rural(ten t...	
<input type="checkbox"/> 1	1	1949	54,167	2,8145	26022			
<input type="checkbox"/> 2	2	1950	55,196	2,8669	26527			
<input type="checkbox"/> 3	3	1951	56,300	2,9231	27069			
<input type="checkbox"/> 4	4	1952	57,482	2,9833	27649			
<input type="checkbox"/> 5	5	1953	58,796	3,0468	28328			
<input checked="" type="checkbox"/> 6	6	1954	60266.1	3,1242	29024			
<input type="checkbox"/> 7	7	1955	61,465.1	3,1809	29656			
<input type="checkbox"/> 8	8	1956	62,828	3,2536	30292			
<input type="checkbox"/> 9	9	1957	64,653	3,3469	31184			
<input type="checkbox"/> 10	10	1958	65,994	3,4195	31799	10721	55273	
<input type="checkbox"/> 11	11	1959	67,207	3,4890	32317	12371	54836	
<input type="checkbox"/> 12	12	1960	66,207	3,4283	31924	13073	53134	
<input type="checkbox"/> 13	13	1961	65,859	3,3880	31979	12707	53152	
<input type="checkbox"/> 14	14	1962	67,296	3,4517	32778	11659	55636	
<input type="checkbox"/> 15	15	1963	69,172	3,5533	33639	11646	57526	
<input type="checkbox"/> 16	16	1964	70,499	3,6142	34357	12950	57549	
<input type="checkbox"/> 17	17	1965	72,538	3,7128	35410	13045	59493	
<input type="checkbox"/> 18	18	1966	74,512	3,8180	36253	13313	61229	

Pagination — Selected: 1 Rows: [1-50]50/73 Page size 50 Page 1 /2

- To select rows:
 - Press key SHIFT and click rows to select multiple rows of a range.
 - Press key CTRL and click rows to select multiple rows one by one.
 - Click the checkboxes in head of rows.
- To edit data:
 - Header texts of editable columns are in blue (Editable primary keys are still in red).
 - Click the editable cell, then its input field will be shown.
 - Press ESC to discard modification. Press ENTER to commit modification.
 - Option to commit modification automatically when cell loses focus.
 - When data is committed, its value will be checked and invalid data will be rejected.
- To display/hide columns, click button "+" in right side of table header.
This operation does not affect data.
- To adjust order of columns, click and drag column headers.

This operation does not affect data.

5. - To order rows:

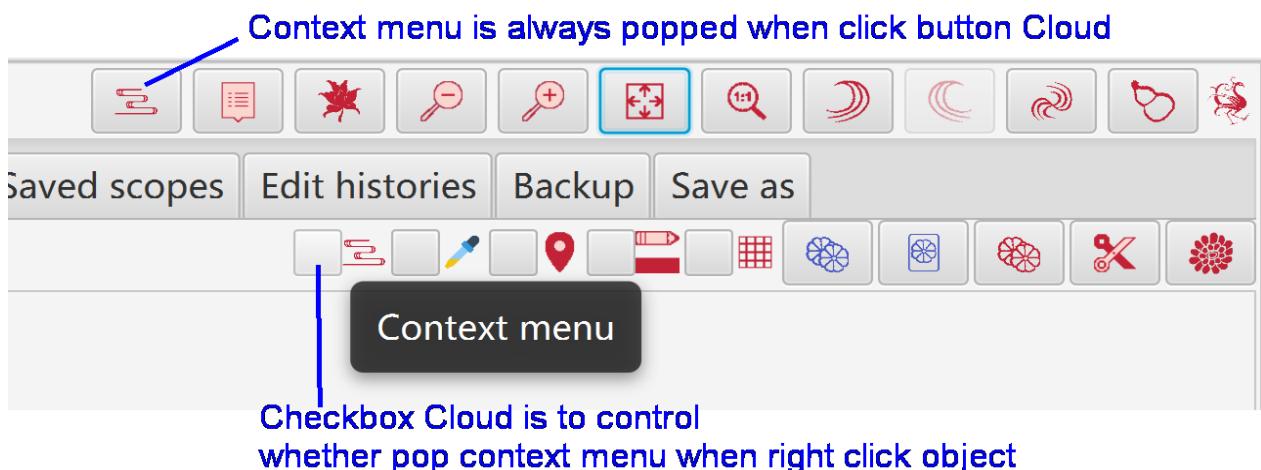
- Click column header for ascending order by this column.
- Click column header again for descending order by this column.
- Click column header for third time to cancel ordering of this column.
- Press SHIFT and click more column headers to order by multiple columns.

This operation only affect current data in table.

6. Header texts of primary keys are in red and auto-increated keys are in orange.

6.8 Context Menu

1. This menu is popped when right click object like text, image, or table.
2. If interface includes button “Cloud”, context menu will be popped when click this button.
3. If interface includes checkbox “Cloud”:
 - If this checkbox is not selected, the context menu is not popped when right click object.
 - If this checkbox is selected, the context menu is popped when right click object.
 - Checkbox “Cloud” does not affect button “Cloud”, which means context menu is always popped when click button “Cloud”.



6.9 Window “Examples”

Window “Examples” is popped when hover or click button “Examples”.

Control whether pop window Examples when hover button Examples

Hover or click button Examples to pop window Examples

#{DataRowNumber} % 2 == 0 #{DataRowNumber} % 2 == 1 #{DataRowNumber} >= 9

#{TableRowNumber} % 2 == 0 #{TableRowNumber} % 2 == 1 #{TableRowNumber} == 1

#{year} == 0 Math.abs(#{year}) >= 0 #{year} < 0 || #{year_} > 100 #{year} != 6

'#{year}'.search(/Hello/ig) >= 0 '#{year}'.length > 0 '#{year}'.indexOf('Hello') == 3

'#{year}'.startsWith('Hello') '#{year}'.endsWith('Hello') var array = ['A', 'B', 'C', 'D'];
array.includes('#{year}')

" == == " != != === !== true false null undefined >=

> <= < && || !

" var = ; += -= *= /= %= + - * / % ++

-- , () {} [] " " . this

".search(/ig/) >= 0 ".length > 0 ".indexOf("") >= 0 ".startsWith("") ".endsWith("")

".replace(/ig/,"")

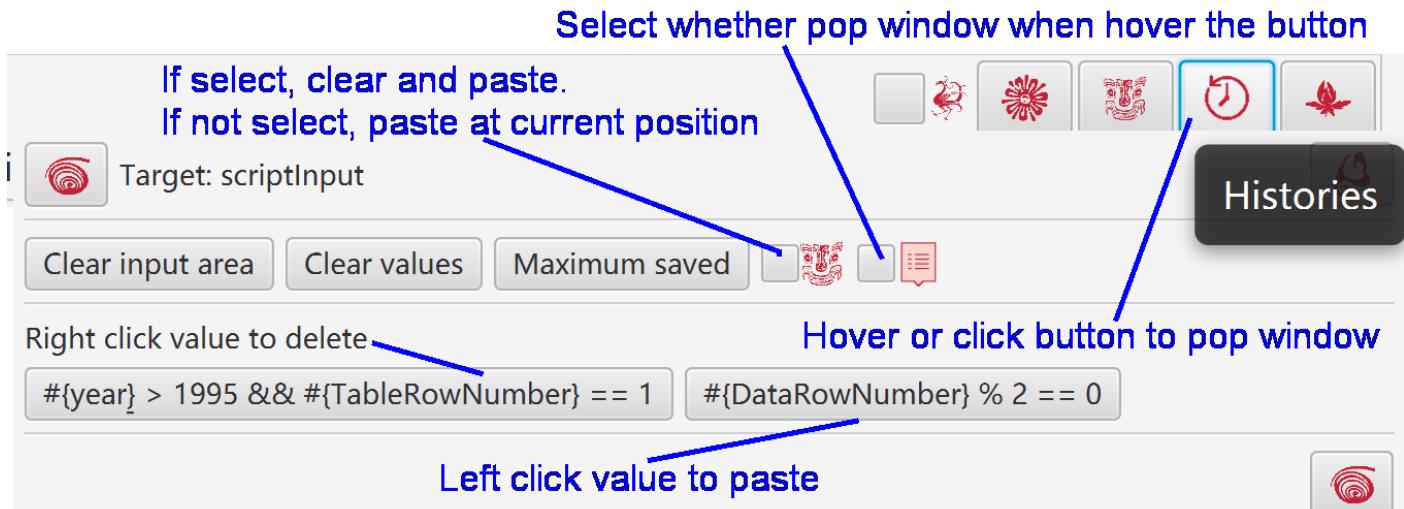
[Learn JavaScript](#)

[JavaScript Tutorial](#)

Click value button to paste value into target

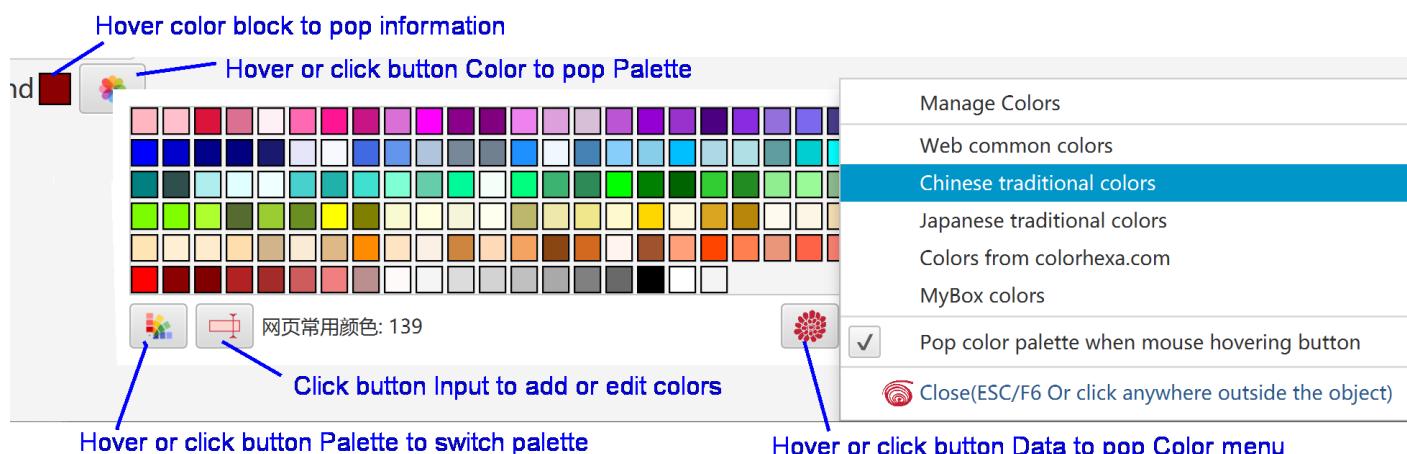
6.10 Window “Histories”

Hover or click button “Histories” to pop window “Histories”.



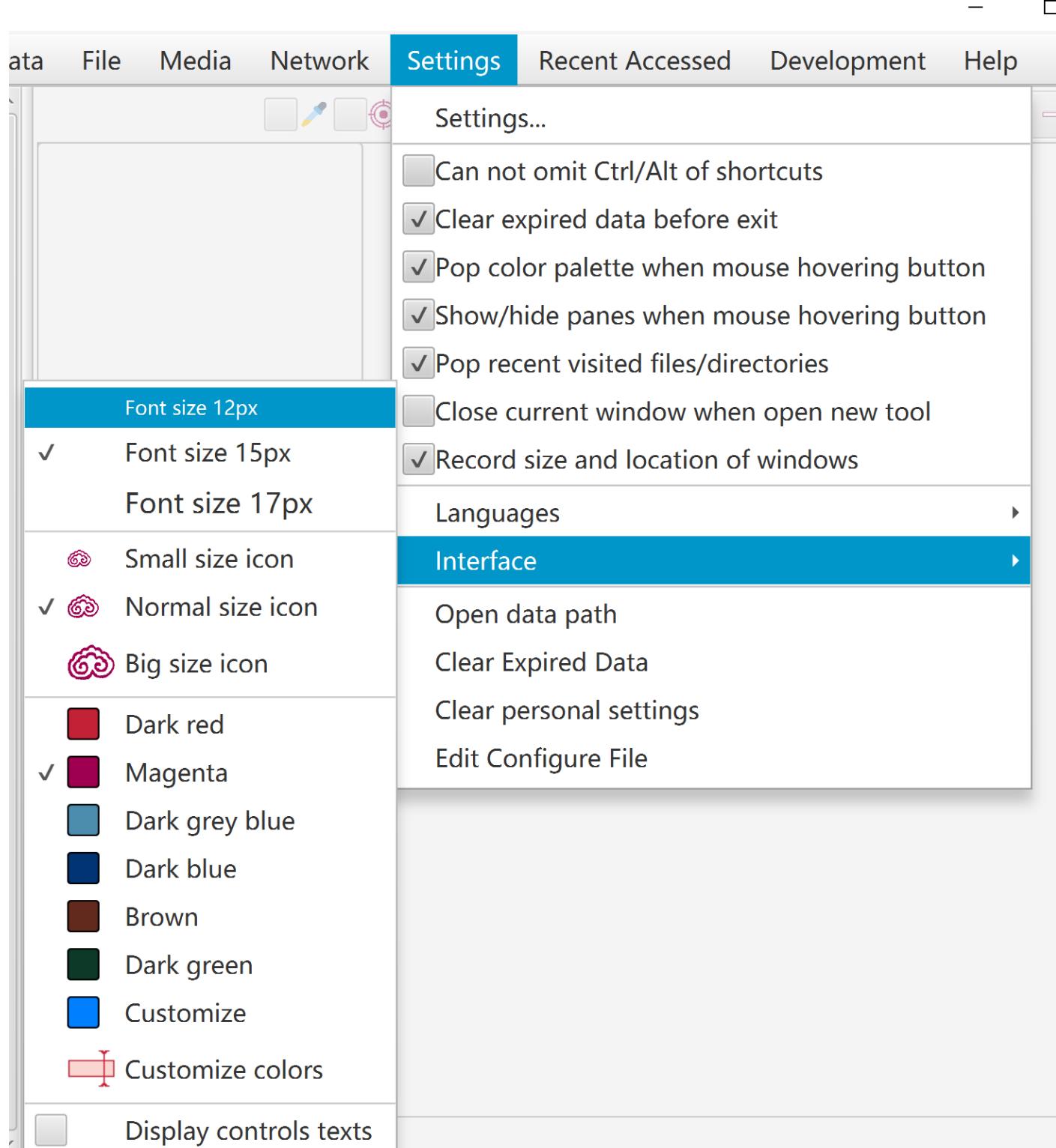
6.11 Color Block and Palette

1. Hover “Color Block” to pop color's information.
2. Hover or click button “Palette” to pop window Palette, and select or edit colors.



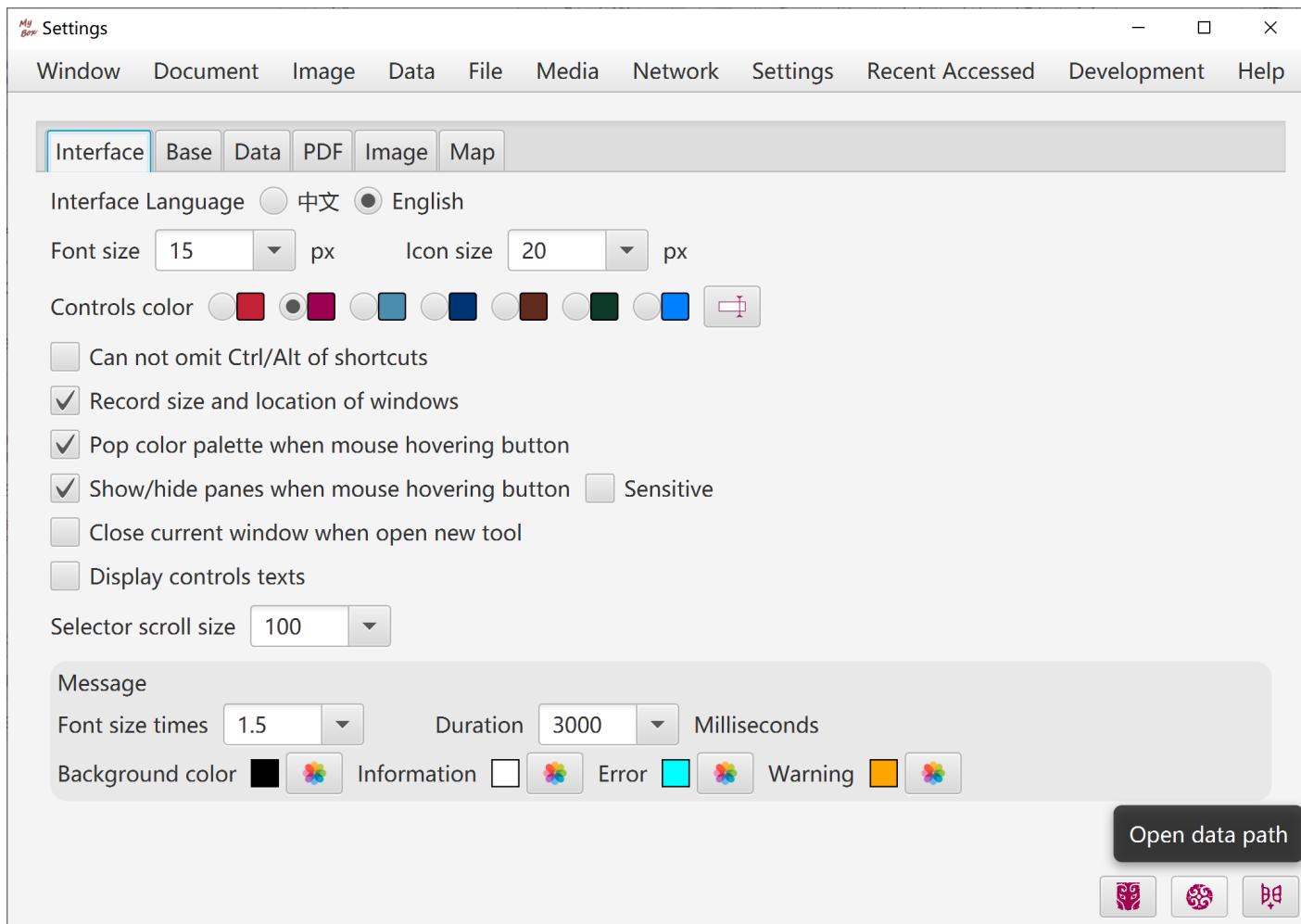
7 Settings

Select “Settings...” in main menu to open window Settings.



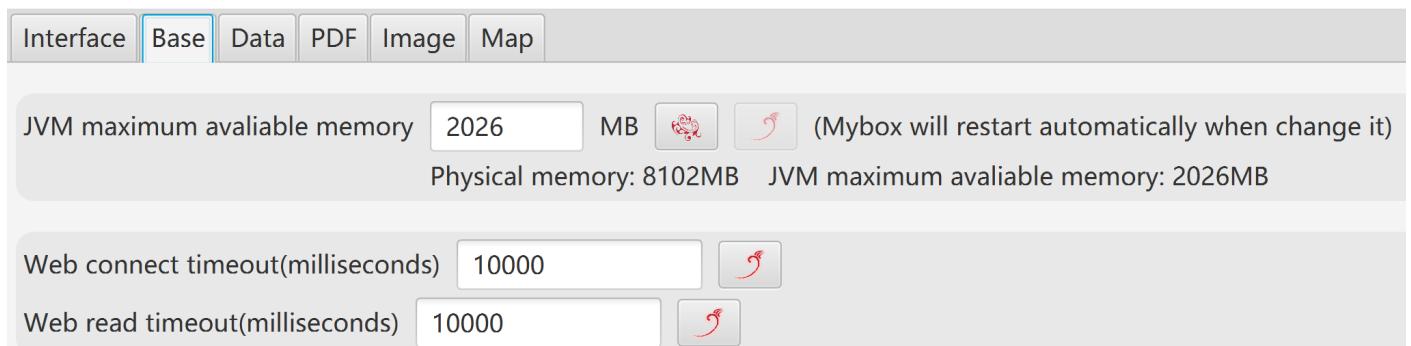
7.1 Interface

1. Language, font size, icon size
2. Select hi-dpi icons(100x100) or common icons(40x40).
3. Color of buttons can be customized.
4. Whether restore last size of each scene.
5. Whether open new stage to display scene.
6. Whether show/Hide splitted panes when mouse passing.
7. Whether pop stage "Set Color" when mouse passing.
8. Font size, color, duration of popped messages.



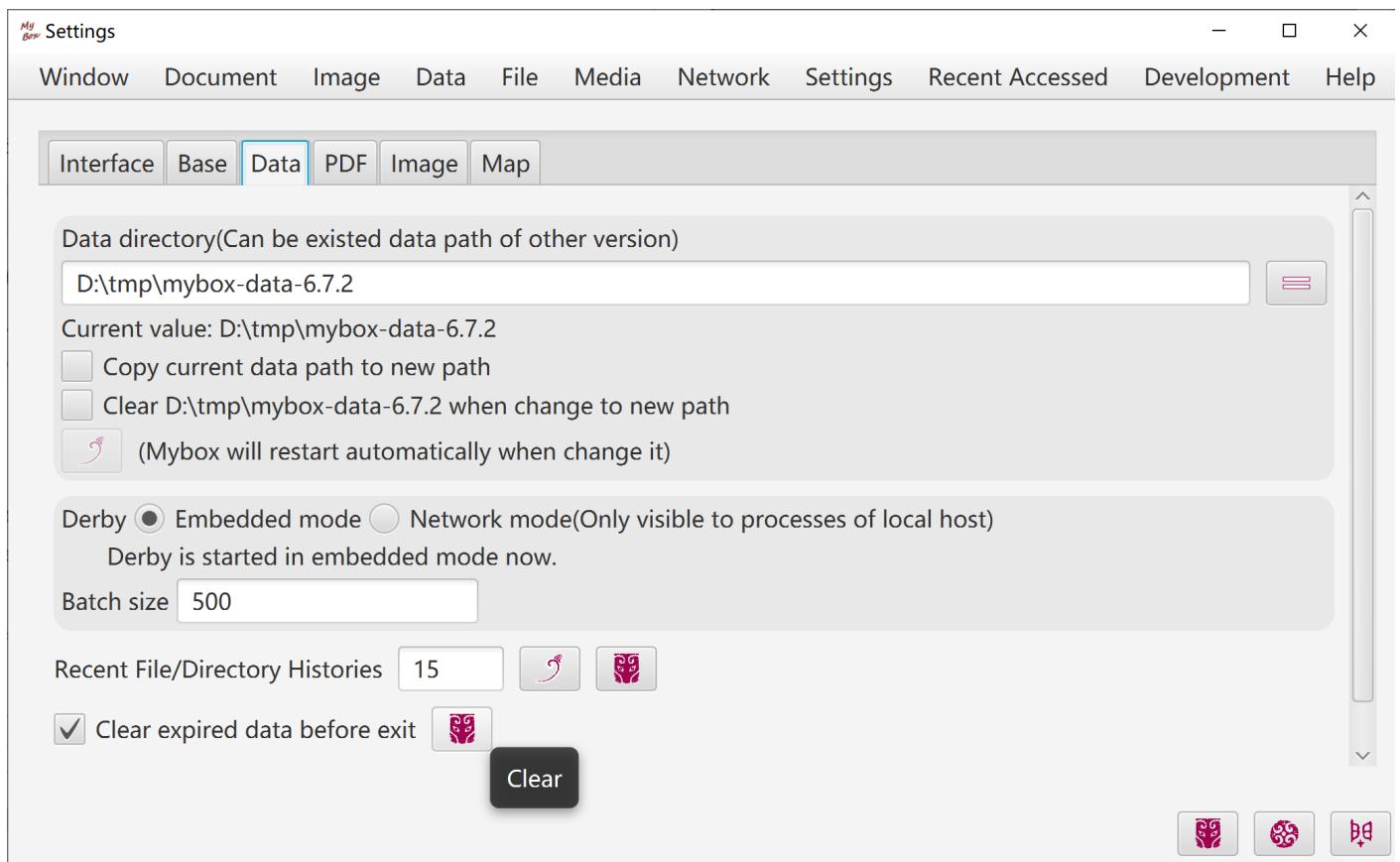
7.2 Base

1. Maximum memory usage of JVM
2. Network timeouts



7.3 Data

1. Data path
2. Derby driver mode and batch size.
3. Whether pop recent visited files/directories. And the number.
4. Whether close alarm clocks when exit program.



7.4 PDF

Maximum main memory of PDF handling.

Maximum main memory for PDF 500M 1G 2G Unlimit

When limited quota is reached, temporary files will be used as extended memory.
If not limit main memory usage, "Out of Memory" may happen for large PDF files.

7.5 Image

1. Width and color of stroke and anchor. Whether anchors are solid.
2. Color to replace Alpha when Alpha is not supported. (Suggest as White)
3. Wdith of thumbnail
4. Maximum width to display sampled images

Interface Base Data PDF **Image** Map

Stroke Color Width

Anchor Color Width Solid

Grid lines Color Width Interval Opacity

Color to use if Alpha unsupported Suggest as white

Thumbnail width

Apply render options when load or modify image

Rendering Automatic Quality Speed

Color rendering Automatic Quality Speed

Pixels interpolation 9 nearest neighbor 4 nearest neighbor Nearest neighbor

Alpha interpolation Automatic Quality Speed

Shape anti-aliasing Automatic On Off

Text anti-aliasing Automatic On Off GASP LCD_HRGB LCD_HBGR LCD_VRGB LCD_VBGR

Font fractional metrics Automatic On Off

Stroke Automatic Normalize Unmodified

Dithering Automatic On Off

[RenderingHints](#)

7.6 Map

Data keys of map

Interface	Base	Data	PDF	Image	Map
-----------	------	------	-----	-------	-----

Following are free map keys shared by users of MyBox. You can request and set your private free/commercial map keys.

TianDiTu web key 0ddeb917def62b4691500526cc30a9b1
<https://console.tianditu.gov.cn/api/key>

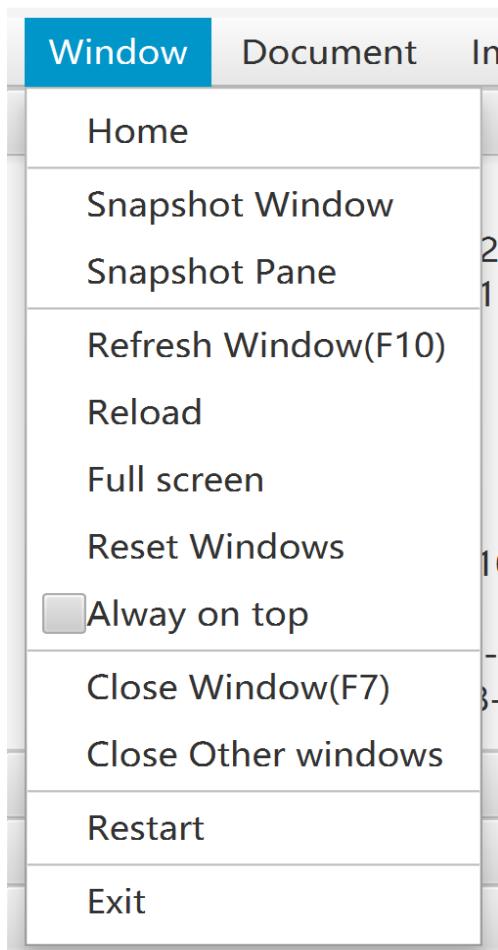
Web key of GaoDe map 06b9e078a51325a843dfef57ffd876c

Web service key of GaoDe map d7444d9a7fae01fa850236d909ad4450
<https://lbs.amap.com/dev/index>

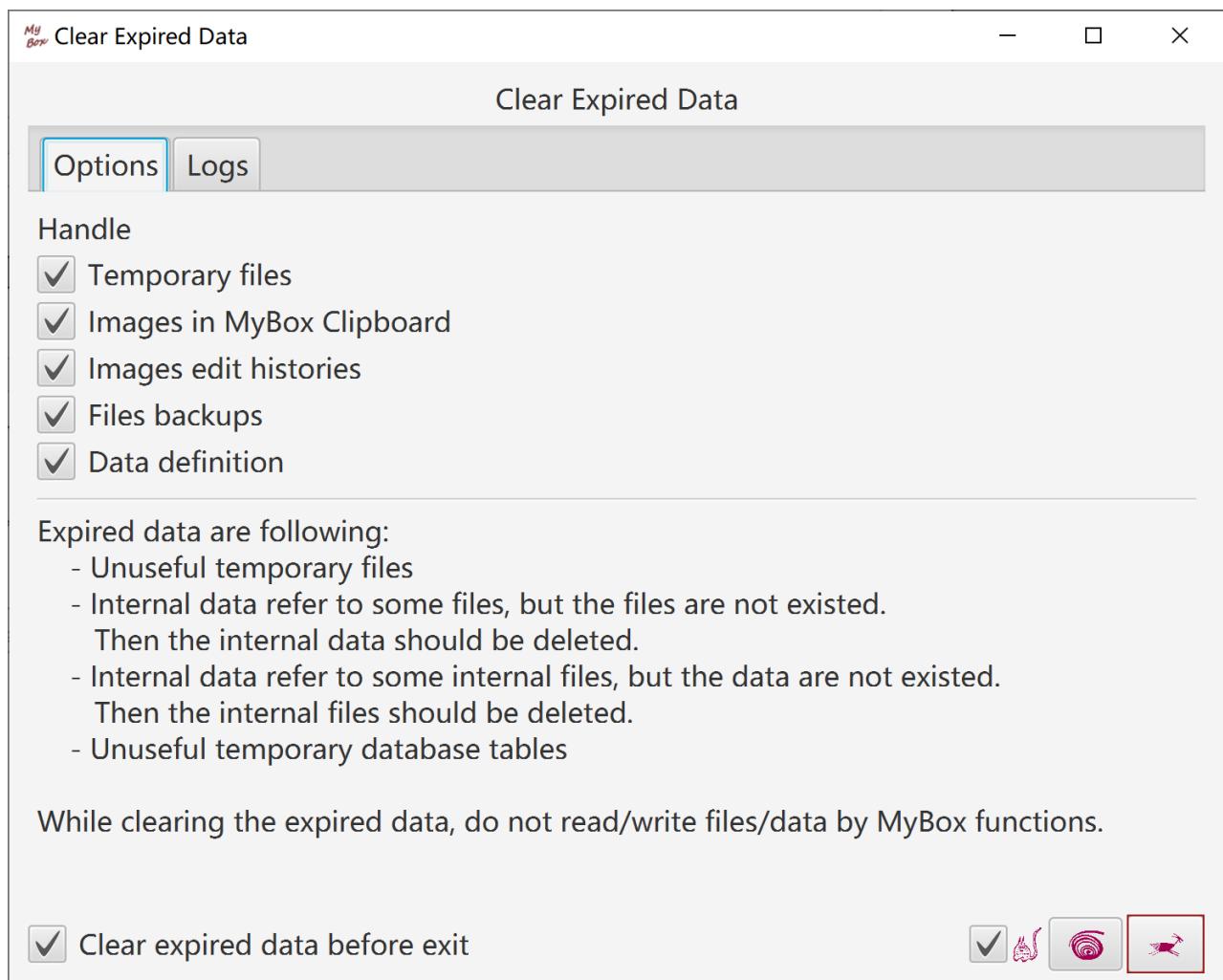
8 Window

1. Refresh/Reset/Full-screen/Top windows.
2. Close other windows.
3. Reboot MyBox.
4. Recent visited tools.
5. Snapshot of window/pane.



9 Clear expired data

1. Select “Clear Expired Data” in menu “Settings” to open this interface.
2. Select data to be handled.
3. While clearing expired data, do not read/write files/data by MyBox functions.
4. Option to clear expired data automatically before exit.



<End of Document>