



# MyBox: Easy Tools Set

## User Guide – Development Tools

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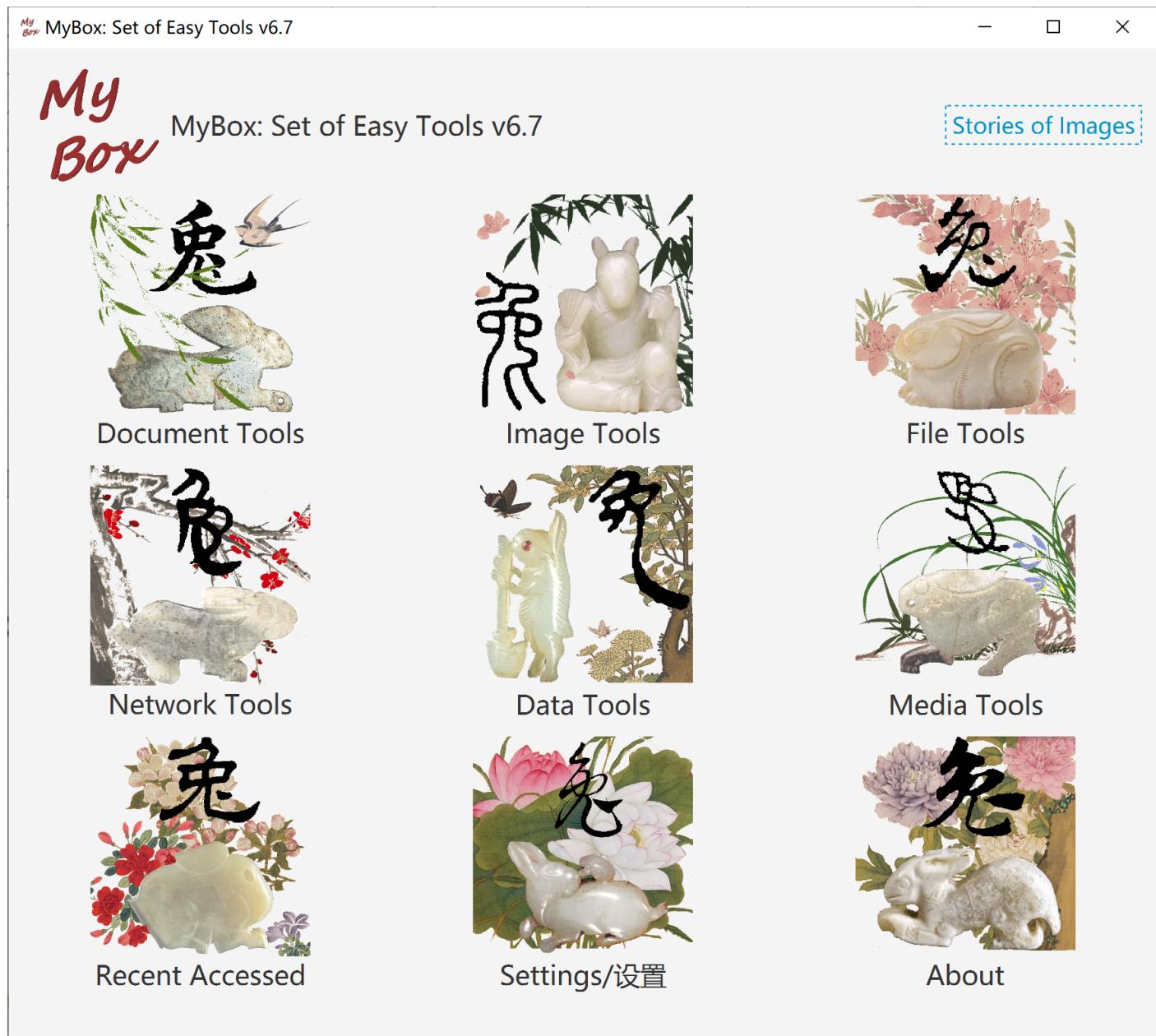
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## 1 Introduction

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

### 1.1 Main Interface



## 1.2 Resources Addresses

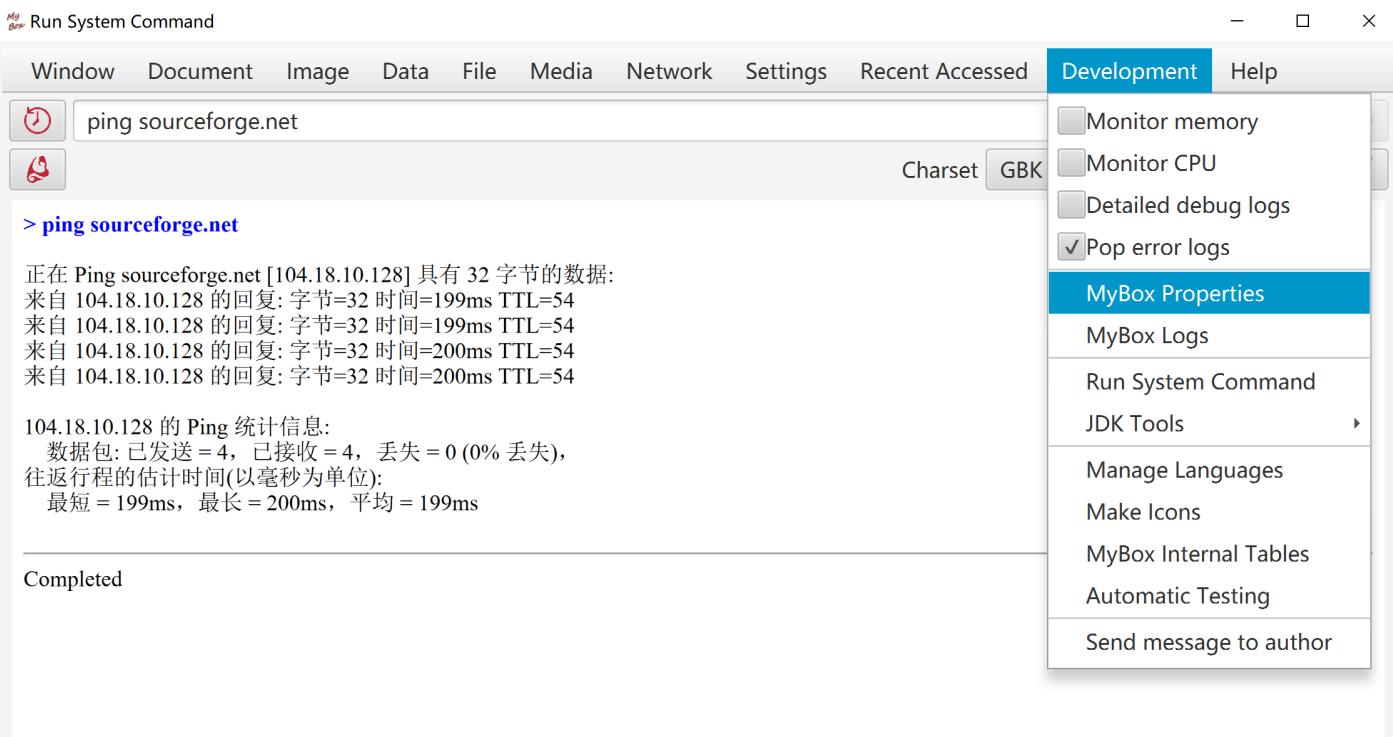
Contents	Link
Project Main Page	<a href="https://github.com/Mararsh/MyBox/">https://github.com/Mararsh/MyBox/</a>
Source Codes and Compiled Packages	<a href="https://github.com/Mararsh/MyBox/releases">https://github.com/Mararsh/MyBox/releases</a>
Submit Software Requirements and Problem Reports	<a href="https://github.com/Mararsh/MyBox/issues">https://github.com/Mararsh/MyBox/issues</a>
Data	<a href="https://github.com/Mararsh/MyBox_data">https://github.com/Mararsh/MyBox_data</a>
Documents	<a href="https://github.com/Mararsh/MyBoxDoc">https://github.com/Mararsh/MyBoxDoc</a>
Mirror Site	<a href="https://sourceforge.net/projects/mara-mybox/files/">https://sourceforge.net/projects/mara-mybox/files/</a>
Cloud Storage	<a href="https://pan.baidu.com/s/1fWMRzym_jh075OCX0D8yA#list/path=%2F">https://pan.baidu.com/s/1fWMRzym_jh075OCX0D8yA#list/path=%2F</a>

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, there's a search bar and a 'Code' button highlighted with a red circle. The main content area shows a list of files and their commit history. On the right side, there's an 'About' section listing various tools and a 'Releases' section showing a recent release of 'v6.5.8' (Latest) from 18 days ago. The URL in the address bar is <https://github.com/Mararsh/MyBox>.

## 1.3 Documents

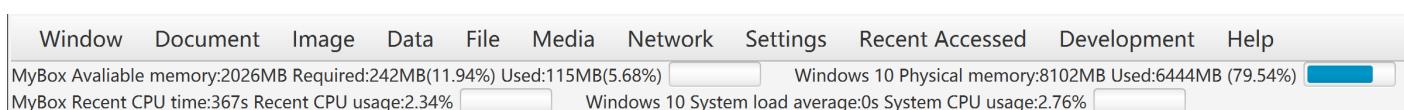
Name	Version	Time	English	Chinese
Development Logs	6.7	2023-1-21	<a href="#">html</a>	<a href="#">html</a>
Shortcuts	6.5.6	2022-6-11	<a href="#">html</a>	<a href="#">html</a>
Functions list	6.6.2	2022-11-30	<a href="#">html</a>	<a href="#">html</a>
Packing Steps	6.3.3	2020-9-27	<a href="#">html</a>	<a href="#">html</a>
Development Guide	2.1	2020-8-27	<a href="#">PDF</a>	<a href="#">PDF</a>
User Guide - Overview	6.7	2023-1-21	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>
User Guide - Data Tools	6.7	2023-1-21	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>
User Guide - Document Tools	6.7	2023-1-21	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>
User Guide - Image Tools	6.7	2023-1-21	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>
User Guide - File Tools	6.7	2023-1-21	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>
User Guide - Network Tools	6.7	2023-1-21	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>
User Guide - Media Tools	6.7	2023-1-21	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>
User Guide - Development Tools	6.7	2023-1-21	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>
Examples - Notes	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
Examples - Information in Tree	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
Examples - Favorite Address	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
Examples - SQL	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
Examples - JShell	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
Examples - JEXL	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
Examples - JavaScript	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
Examples - Math Function	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
Examples - Row Filter	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
About - Color	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
About - Coordinate System	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
About - Media	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
About - Data Analysis	6.6.1	2022-11-16	<a href="#">html</a>	<a href="#">html</a>
Palette - Common Web Colors	6.7	2023-1-21	<a href="#">major all</a>	<a href="#">major all</a>
Palette - Chinese Traditional Colors	6.7	2023-1-21	<a href="#">major all</a>	<a href="#">major all</a>
Palette - Japanese Traditional Colors	6.7	2023-1-21	<a href="#">major all</a>	<a href="#">major all</a>
Palette - Colors from colorhexa.com	6.7	2023-1-21	<a href="#">major all</a>	<a href="#">major all</a>
Palette - MyBox Colors	6.7	2023-1-21	<a href="#">major all</a>	<a href="#">major all</a>
Stories of Images	6.7	2023-1-21	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>	<a href="#">html</a> <a href="#">PDF</a> <a href="#">odt</a>

## 1.4 Menu of Tools



## 2 Monitor CPU/Memory

When monitor CPU/memory, status is updated in every second in top bar.

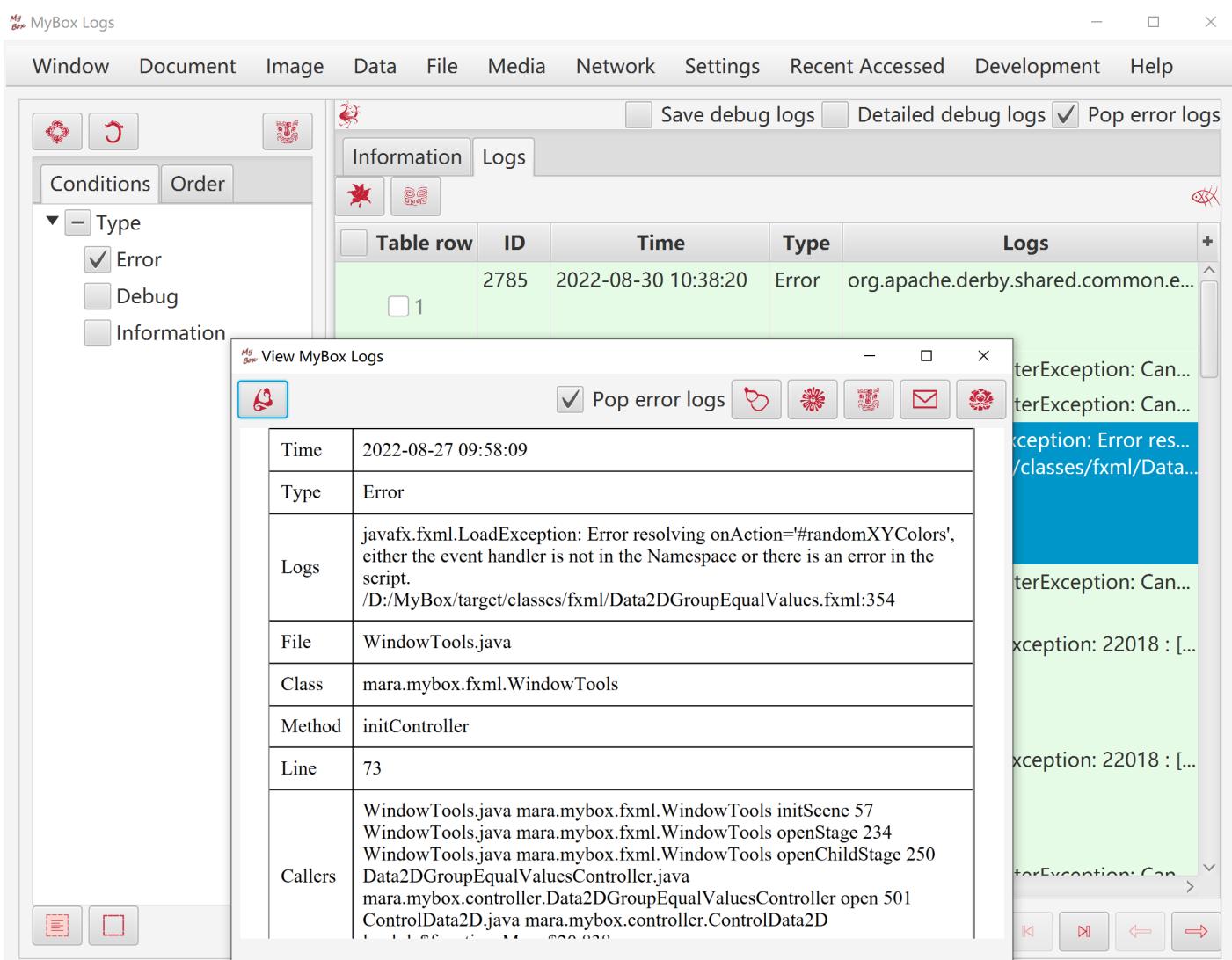


### 3 MyBox Properties

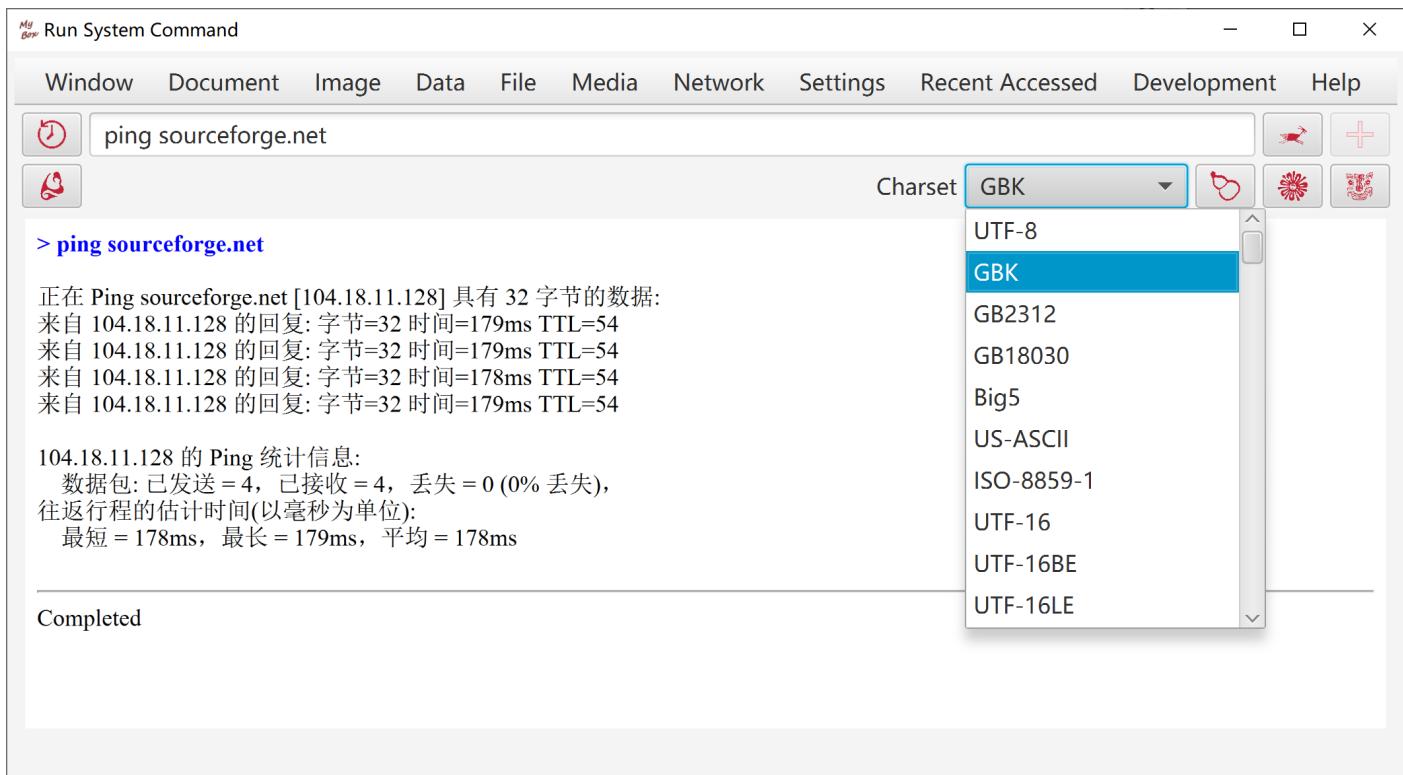
MyBox JVM Properties	
	 
Java I/O tmp dir	D:\SysTemp\
JavaFX runtime version	18.0.1+2
Physical memory	8102MB
JVM maximum available memory	2026MB
Sun Jnu encoding	GBK
IO Unicode Encoding	UnicodeLittle
CPU endian	little
Sun desktop	
Physical screen	216dpi Resolution:3,840 x 2,160 Refresh Rate:60 Bit Depth:32
JavaFX screen	72dpi Size:1,707 x 960 X Scale Factor:2.25 Y Scale Factor:2.25
WebView	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/610.1 (KHTML, like Gecko) JavaFX/16 Safari/610.1
File encoding	UTF-8
Native encoding	GBK
JVM Default	UTF-8

## 4 MyBox Logs

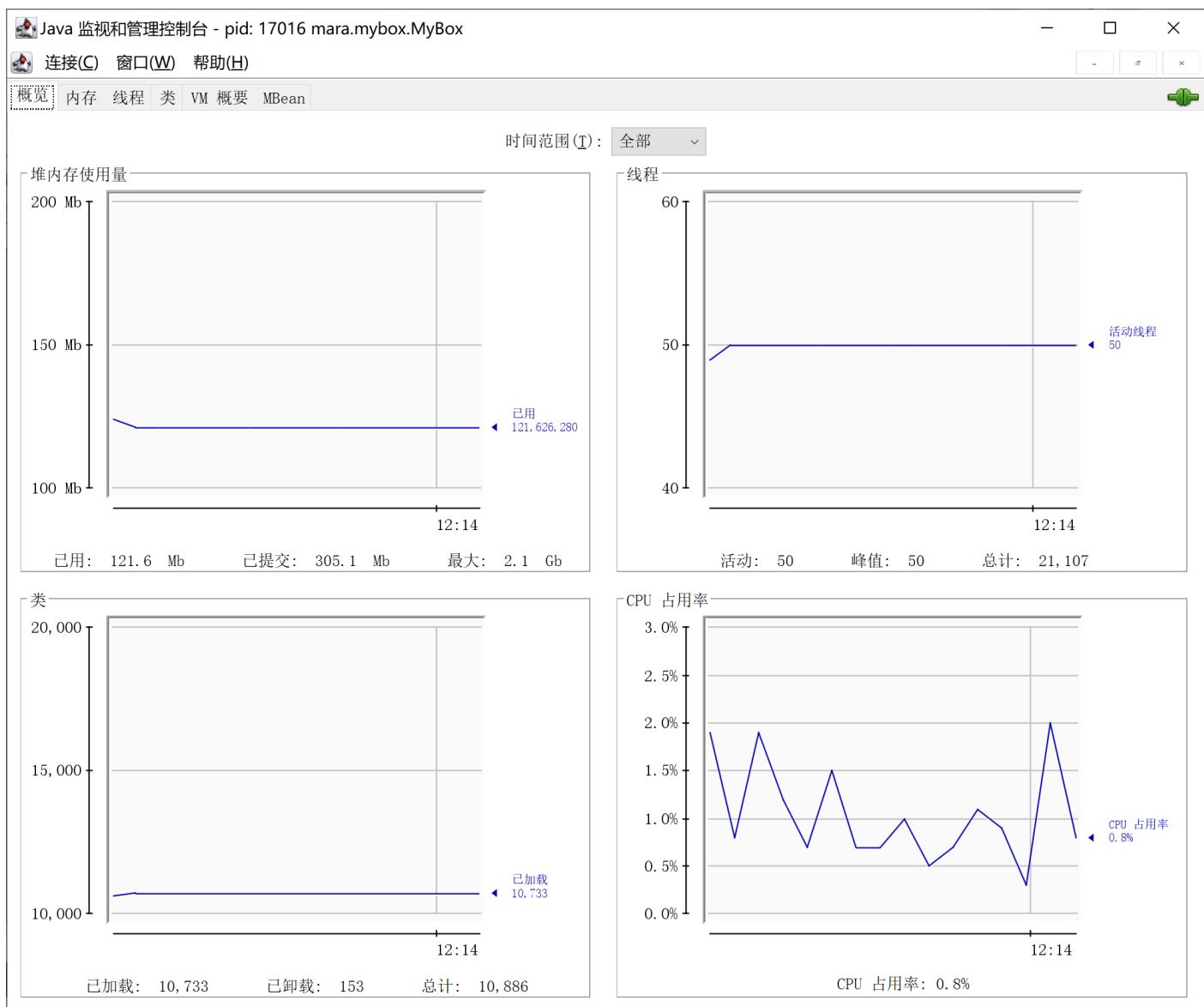
1. Types of MyBox logs: Error, Info, Debug, Console.
  - All logs will be displayed on console.
  - "Error" and "Info" are always written in database.
  - "Debug" are written in database only in Dev Mode.
  - "Console" are never written in database.
2. Fields: ID, time, type, file, class, method, line, callers, comments.
3. "Callers" is the calling chain. Each line is one node and records: file, class, method, line.
4. "Error" will cause interface of MyBox Logs Viewer is popped.



## 5 Run system commands



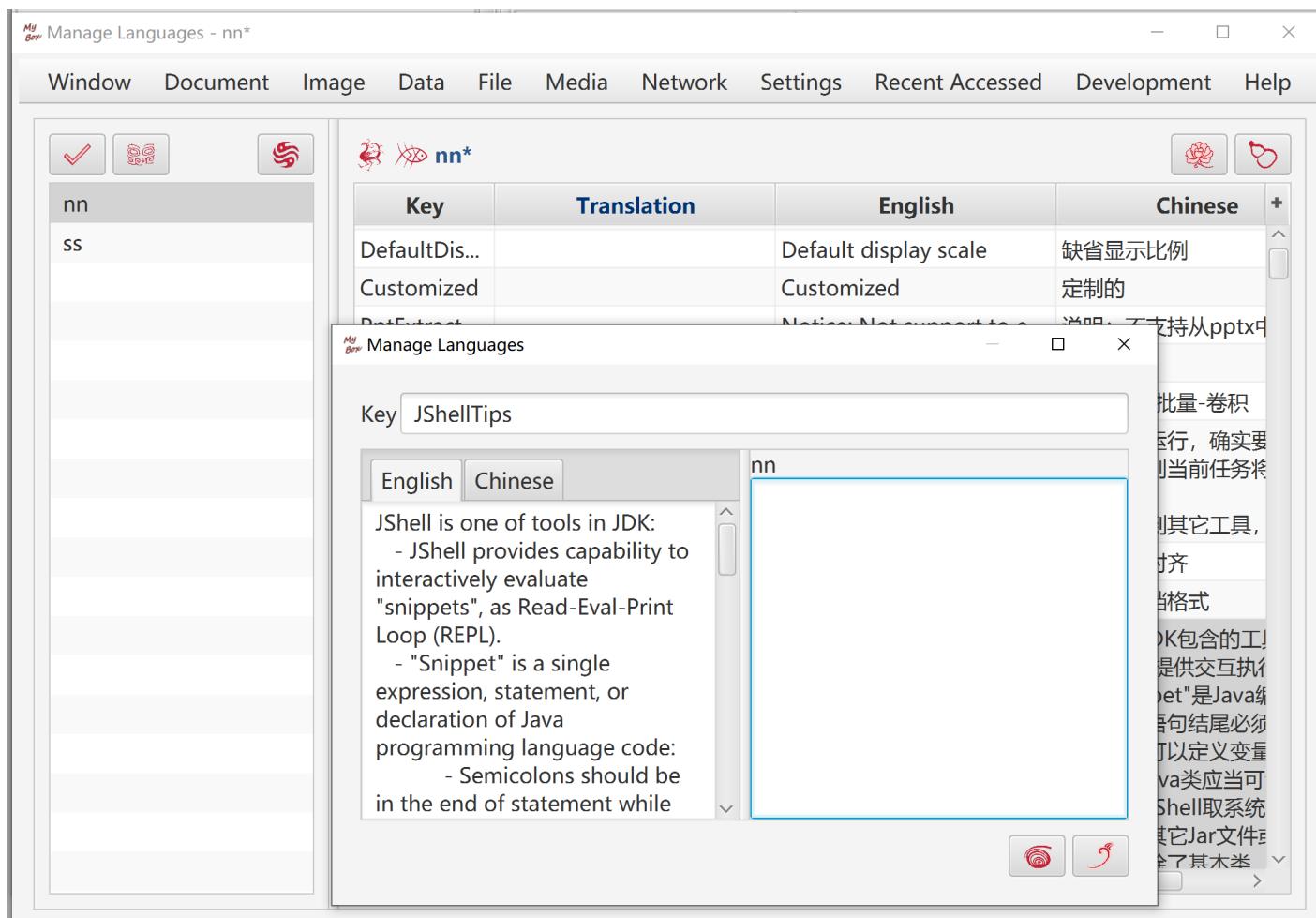
## 6 Start JConsole(Java Monitoring and Management Console)



## 7 Manage Languages

This tool helps to manage customized languages of MyBox:

1. Click button "Add" to create a new language.
2. Edit translation of language items.
  - o Select a row in the tables.
  - o Click the cell in the row:
    - If its English contains line breaks, then pop text editor to help input multiple lines.
    - If its English is single line, then display a text field to help fill line directly.
  - o Keep item empty to use English as default.
  - o Right click the cell to select "Copy English" or "Copy Chinese".
3. Click button "Save" to save modification.



## 8 Make Icons

This tool helps to create MyBox icons in other colors from light-grey icons.

The screenshot shows the 'My Make Icons' application window. The menu bar includes Window, Document, Image, Data, File, Media, Network, Settings, Recent Accessed, Development, and Help. Below the menu is a toolbar with icons for file operations and a search bar labeled 'Source codes path D:\MyBox'. A table lists six icons with their details:

Table row	Curr...	Source image	Pixels	Color space	File	Index	I +
1			88x87	RGB	D:\MyBox\src\main\resources\buttons...	0	30.0
2			40x40	RGB	D:\MyBox\src\main\resources\buttons...	0	6.37
3			40x40	RGB	D:\MyBox\src\main\resources\buttons...	0	0.59
4			40x40	RGB	D:\MyBox\src\main\resources\buttons...	0	0.85
5			40x40	RGB	D:\MyBox\src\main\resources\buttons...	0	6.37
6			40x40	RGB	D:\MyBox\src\main\resources\buttons...	0	1.65

Below the table, a status bar displays 'Total pixels: 826,646 Total files: 252 Total Size: 3.131 MB Double click selected item to view'. At the bottom are preview and selection tools.

## 9 MyBox Internal Tables

MyBox Internal Tables : Internal table - 823 - USER\_CONF

Window Document Image Data File Media Network Settings Recent Accessed Development Help

ID	Type	Name	Row...	Colu...	
828	Internal...	BLOB_VALUE		2	
827	Internal...	NAMED_VALUES		4	
826	Internal...	FLOAT_MATRIX		4	
825	Internal...	STRING_VALUES		3	
824	Internal...	STRING_VALUE		3	
823	Internal...	USER_CONF	3,311	3	
822	Internal...	SYSTEM_CONF			
821	Internal...	VISIT_HISTORY			
820	Internal...	MYBOX_LOG			
819	Internal...	TREE_NODE_TA			
818	Internal...	TAG			
817	Internal...	TREE_NODE			
816	Internal...	DATA2D_STYLE			
815	Internal...	DATA2D_CELL			
814	Internal...	DATA2D_COLU			
813	Internal...	DATA2D_DEFIN			
812	Internal...	ALARM_CLOCK			
811	Internal...	MEDIA_LIST			
810	Internal...	MEDIA			

Table definition

Columns\* Attributes View Edit

key_name	string_value	int_value
AddressInputDPI		96
AlarmClockDPI		96
AlarmClockRightPaneP...	0.588744588744...	2,147,483,647
AlarmClockShowRi...		1

Table Text

USER\_CONF

Column	Type	Length	Not null	Primary key	Auto generated	Refer to table	Refer to column
key_name	String	32672	Yes	Yes			
string_value	String	32672					
int_value	Integer	10					

```
CREATE TABLE USER_CONF (
    key_name VARCHAR(32672) NOT NULL WITH DEFAULT '',
    string_value VARCHAR(32672),
    int_value INT,
    PRIMARY KEY (key_name)
```

Page 1 /1 Rows: 34/34

Page size 50 /67

## 10 Automatical Testing: Open Interfaces

Test Cases

The screenshot shows a software application window titled "Test Cases". The menu bar includes "Window", "Document", "Image", "Data", "File", "Media", "Network", "Settings", "Recent Accessed", "Development", and "Help". A toolbar icon with a deer head is visible. A context menu is open over the first row of a table, with options "Start", "F1 / CTRL+e / ALT+e", and "Target". The table has columns: "Target", "Type", "Operation", "Version", and "Stage". The data rows are as follows:

Target	Type	Operation	Version	Stage
Information in Tree	User interface	Open interface	6.5.9	Alpha
Notes	User interface	Open interface	6.5.9	Alpha
View PDF	User interface	Open interface	6.5.9	Alpha
Convert Pages in PDF to Images	User interface	Open interface	6.5.9	Alpha
Convert Images in PDF	User interface	Open interface	6.5.9	Alpha
Compress Images in PDF	User interface	Open interface	6.5.9	Alpha
Convert Pages in PDF to Htmls	User interface	Open interface	6.5.9	Alpha
Extract Images in PDF	User interface	Open interface	6.5.9	Alpha
Extract Texts in PDF	User interface	Open interface	6.5.9	Alpha
Character Recognition in PDF	User interface	Open interface	6.5.9	Alpha
Split PDF	User interface	Open interface	6.5.9	Alpha
Merge PDF Files	User interface	Open interface	6.5.9	Alpha
Modify PDF Attributes	User interface	Open interface	6.5.9	Alpha
Modify PDF Attributes - Batch	User interface	Open interface	6.5.9	Alpha
Edit Markdown	User interface	Open interface	6.5.9	Alpha
Convert Markdown To Html	User interface	Open interface	6.5.9	Alpha

## 11 Send Message To Author

Welcome to submit problem reports and software requirements.

The screenshot shows a window titled "Send message to author". The menu bar includes "Window", "Document", "Image", "Data", "File", "Media", "Network", "Settings", "Recent Accessed", "Development", and "Help". Below the menu is a toolbar with the same labels. A title bar "Send message to author" is centered above the main content area. The content area has sections for "Title" (containing "MyBox Logs"), "Issue/Comment/Suggestion" (containing a large block of HTML/CSS code), and "Your name" (containing "mara"). There is also a section for "Operating System" (containing "win") and a red-bordered "Send" button icon.

**Title** MyBox Logs

**Issue/Comment/Suggestion**

```
<!DOCTYPE html><HTML>
<HEAD>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<style type="text/css">
.center { text-align:center; max-width:95%; }
table { max-width:95%; margin : 10px; border-style: solid; border-width:2px; border-collapse: collapse;}
th, td { border-style: solid; border-width:1px; padding: 8px; border-collapse: collapse;}
th { font-weight:bold; text-align:center;}
tr { height: 1.2em; }
.valueBox { border-style: solid; border-width:1px; border-color:black; padding: 5px; border-radius:5px;}
.boldText { font-weight:bold; }
.valueText { color:#2e598a; }

</style>
</HEAD>
<br><hr><br>
<DIV align="center">
<TABLE>
<TR style="font-weight:bold; "><TH>Name</TH><TH>Value</TH></TR>
```

Your name mara

Operating System win

**<End of Document>**