

Making ILLiad Your Own: Custom Shortcuts and Scripts with *AutoHotKey*

Any ILLiad user in a high volume ILL office spends a large portion of their workday within the client processing and managing requests, performing repetitive actions day in and day out.

This presentation will demonstrate how to use the program "Autohotkey" to easily create custom keyboard and mouse shortcuts for ILLiad. Shortcuts, personally tailored to your own tastes, have the potential to cut processing times and automate common tasks.

Tasks that require several clicks of the mouse can be simplified to the push of a single keyboard button, or a common keyboard command can be moved to the mouse for instant access.

Make ILLiad intuitive... make it work the way you want it to work!

For a copy of this presentation and additional files, visit: <http://goo.gl/WfDAG5>
or <https://www.dropbox.com/sh/vntr3ujj2wu0lqn/AACPuUCYCYfrL3hkEb1aDNmra?dl=0>



What is AutoHotkey?

“AutoHotkey (AHK) is a free, open-source macro-creation and automation software for Windows that allows users to automate repetitive tasks. It is driven by a scripting language that was initially aimed at providing keyboard shortcuts, otherwise known as hotkeys, that over time evolved into a full-fledged scripting language.”



AutoHotkey + ILLiad Users?

AutoHotkey is an opportunity to automate many of the repetitive tasks we perform in our daily workflow. I first learned about AHK from the



Toolkit tutorial on using AHK for ILL. However, that tutorial is now...

404 - File or directory not found.

The resource you are looking for might have been removed, had its name changed, or is temporarily unavailable.

No community interest?

Why bother?

While learning the “language” of AutoHotkey can take a little time, the payoff is well worth it.

1. Save time on repetitive tasks. De-stress your workflow.
2. Get things done faster (especially when that patron is standing in front of you, waiting).
3. Introduce yourself to basic programming. Get some practice!
4. Create hotkeys for everyone in the office. They'll love you!

No programming experience necessary!

1.) AutoHotkey for ILLiad Example: How It's Done

2.) Putting It to Use in Interlibrary Loan

3.) Sample AutoHotkey Script for ILLiad Users

**4.) Why You Need To Replace Your Mouse
(and why that is relevant in this session)**

AutoHotkey for ILLiad Example: “Refresh” with the Middle Mouse Button

Create a new script:

Adapted from autohotkey.com

1. [Download](#) and install AutoHotkey.
2. Right-click an empty spot on your desktop or in a folder of your choice.
3. In the menu that appears, select *New -> AutoHotkey Script*. (Alternatively, select *New -> Text Document*.)
4. Type a name for the file, ensuring that it ends in **.ahk**. For example: Test.ahk
5. Right-click the file and choose Edit Script.
6. Create!

The final product:
clicking the middle
mouse button
(or the ` key)
refreshes...
and more!

```
20      #IfWinActive, ILLiad Client
21          MButton::
22              `::
23                  Send {F12}
24                  Sleep 1000
25                  Send {F5}
26                  Sleep 400
27                  Send !h
28                  Sleep 400
29                  Send srn
30                  Return
31      #IfWinActive,
```

```
C:\Users\bogardusg\Google Drive\Professional\ILLiad 2015\ILLiadScriptDemo.ahk - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
ILLiadScriptDemo.ahk
1  /* This is a new AutoHotKey (AHK) script for ILLiad users.
2  v. 1.9
3
4  Remember:
5      ^ = ctrl
6      + = shift
7      ! = alt
8      # = Windows key
9      LButton = Left Mouse Button
10     RButton = Right Mouse Button
11     MButton = Middle Mouse Button
12     a semicolon starts a comment ;(See how this is green? It's a comment.)
13
14 The basic format:
15
16     [SomeKey]::
17         [SomeAction]
18         [SomeAction]
19     Return
20
21 Common Actions are:
22     Send [SomeKey]
23     Click [at some coordinates]
24     Sleep [SomePeriodOfTime]
25
26 End of comments section */
AutoHotKey length: 3924 lines: 179 Ln: 19 Col: 16 Sel: 0 | 0 Dos\Windows ANSI INS
```

```
C:\Users\bogardusg\Google Drive\Professional\ILLiad 2015\ILLiadScriptDemo.ahk - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
ILLiadScriptDemo.ahk
28
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32 ;FIRST... Turn the ` (a "grave accent" or "backtick") into a Refresh button
33
34
35 `:: ;when I click the ` button
36     Send {F5} ;send the F5 command ("refresh" in ILLiad)
37     Return ;STOP!
38
39
40
41
42
43
44 ;Now let's add the middle mouse button (AKA, the wheel)
45
46
47 `:: ;Hit this button...
48 MButton:: ;...or this button...
49     Send {F5} ;... and this happens!
50     Return
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```

Citation Information Search Request

Refresh (F5) From Lending Library X

Borrowing Borrowing Requests Received

- Requests (1 items)
 - Awaiting Unfiled Processing
- In Process (3 items)
 - Awaiting Conditional Processing
 - Awaiting Return Label Printing
- Active (373 items)

```
C:\Users\bogardusg\Google Drive\Professional\ILLiad 2015\ILLiadScriptDemo.ahk - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
ILLiadScriptDemo.ahk
55
56
57 ;But let's have it do MORE.
58
59
60 `:: ;Hit the ` button...
61 MButton:: ;...or the middle mouse button...
62     Send {F12} ;...ILLiad goes to the "Main" tab...
63     Send {F5} ;...then refreshes.
64     Return
65
66
67
68 ;But... that didn't work, because the script was too fast!
69
70
71 `:: ;Hit the ` button...
72 MButton:: ;...or the middle mouse button...
73     Send {F12} ;...ILLiad goes to the "Main" tab...
74     Sleep 1000 ;...the script waits 1 sec (let ILLiad catch up!)
75     Send {F5} ;...then refreshes.
76     Return
77
78
79
80
81
AutoIt length: 3929 lines: 179 Ln: 139 Col: 53 Sel: 0|0 Dos\Windows ANSI INS
```

```
C:\Users\bogardusg\Google Drive\Professional\ILLiad 2015\ILLiadScriptDemo.ahk - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
ILLiadScriptDemo.ahk
83
84
85
86
87
88 ;But... we can do more...
89
90
91 `:: ;Hit the ` button...
92 MButton:: ;...or the middle mouse button...
93     Send {F12} ;...ILLiad goes to the "Main" tab...
94     Sleep 1000 ;...the script waits 1 sec (let ILLiad catch up!)
95     Send {F5} ;...then refreshes...
96     Sleep 400 ;...then waits a bit...
97     Send !h ;...then sends ALT key + h (?!?!)
98     Sleep 400 ;...then waits another bit...
99     Send srn ;...then types the letters s r n...
100     Return ;then you ask, "Huh?"
101
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109
AutoHotKey length: 3914 lines: 173 Ln: 87 Col: 1 Sel: 0 | 0 Dos\Windows ANSI INS
```



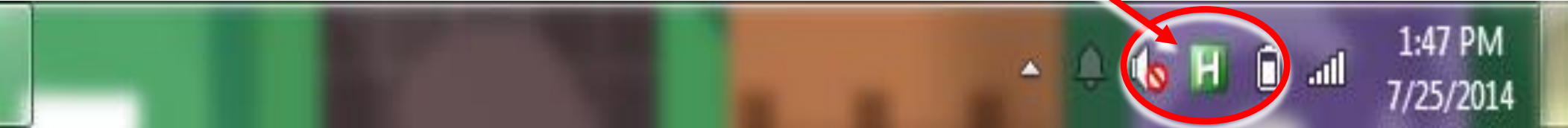
```

C:\Users\bogardusg\Google Drive\Professional\ILLiad 2015\ILLiadScriptDemo.ahk - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
ILLiadScriptDemo.ahk
108
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111
112 ;Finally, let's make sure all this only happens when we are using ILLiad
113
114 #IfWinActive, ILLiad Client ; Anything after this line only works
115     `:: ; when the title of the window
116     MButton:: ; contains the words "ILLiad Client"
117         Send {F12}
118         Sleep 1000
119         Send {F5}
120         Sleep 400
121         Send !h
122         Sleep 400
123         Send srn
124         Return
125 #IfWinActive, ; Anything from here on works with
126 ; any window.
127
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130
131
132
133
Finished!
AutoHotkey length: 3924 lines: 178 Ln: 109 Col: 5 Sel: 0|0 Dos\Windows ANSI INS

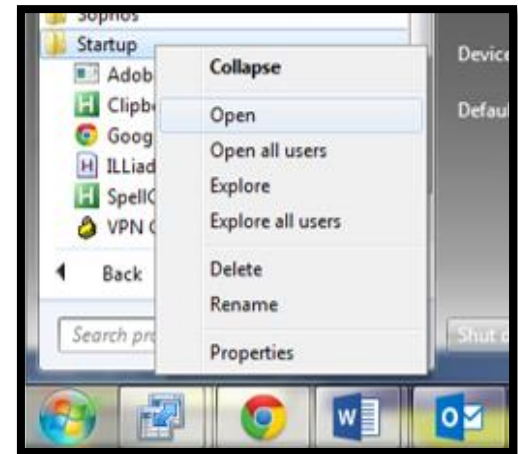
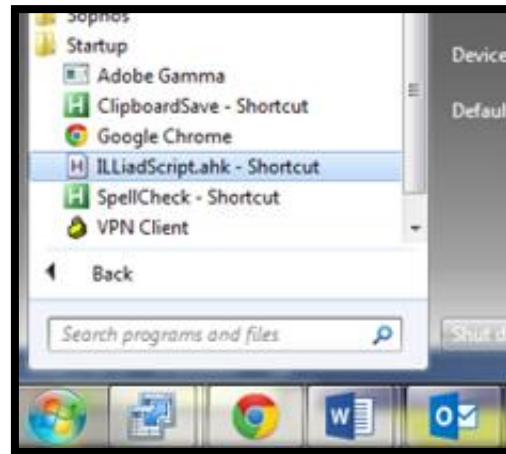
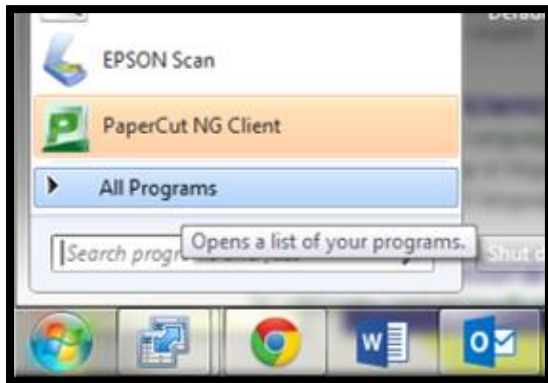
```

Finally....

1. Save your work.
2. Double-click to open the file. Notice the **H** logo in the “System Tray”... that’s your script!



3. When you want to edit, open the file in your text editor, edit, then right-click on the **H** logo and click *Reload This Script* in the menu.
4. Create a shortcut to your script in the Startup folder of your computer, and the script will be running every time your computer is.

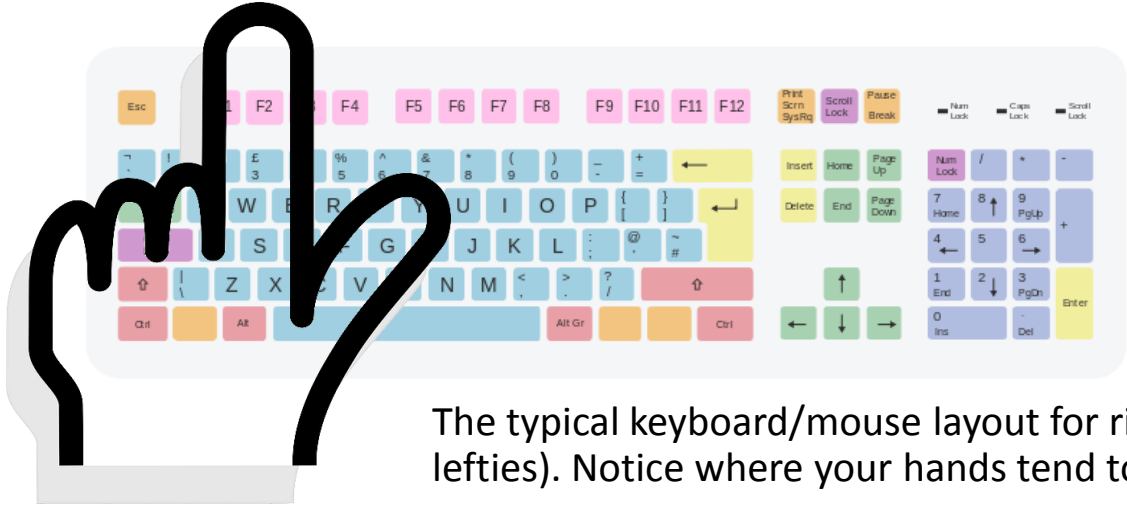


Sharing Scripts with Co-Workers

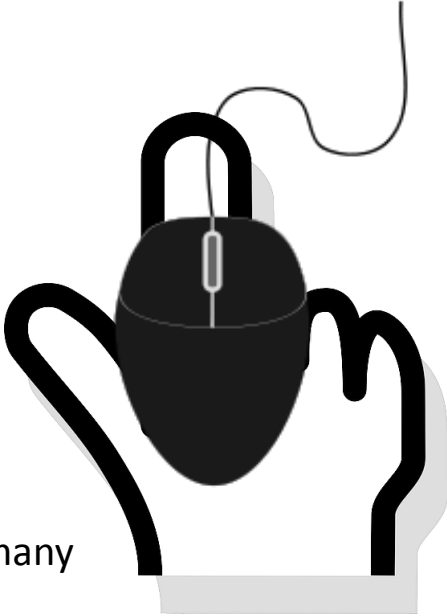
One person in the office (the adventurous one?) can create scripts for everyone—and be the office hero!

Right-click on your **.ahk** file and select *Compile Script*. This creates a new **.exe** file that can be opened by computer... the AutoHotkey program will not need to be installed. Share the file with your coworkers, and instruct them to save the file to their Startup folders (see above). Easy!

The Keyboard... Make Use of Prime “Real Estate”



The typical keyboard/mouse layout for righties (and many lefties). Notice where your hands tend to rest...

A close-up view of a keyboard with several annotations. A red oval highlights the function keys F1 through F4. A red arrow points from the text 'Function keys... make 'em do whatever you want!' to this oval. Another red arrow points from the text 'How often do you use these keys?' to the Esc key. A third red arrow points from the text 'Modifier keys... great for creating shortcuts' to the Shift and Alt keys.

Function keys... make 'em do whatever you want!

How often do you use these keys?

Modifier keys... great for creating shortcuts

Sample AutoHotkey Script for ILLiad Users

Here is a sample script, tested for use with ILLiad 8.5 on Windows 7. This is meant to serve as an example of what can be done to simplify your workflow. It is not a one-size-fits-all solution that will work for everyone—you will want to make modifications to suit your tastes and your ILLiad Client. No, it's not guaranteed to work perfectly.

Instructions:

Haven't installed AutoHotkey? No problem... download [the .exe file](#) and open. **Warning: computers tend to be suspicious of .exe files!** It may try to stop you!

You've already installed AutoHotkey? Then just download [the script](#) to your machine, then open.

To make any changes to the script, simply right-click and open the file in your favorite text editor. Save and open again.

```
Send ^{tab}
Sleep 200
Send {esc}
return

;NumLock into Tab
NumLock::Send {tab}

;Close any window by clicking the middle mouse button and the right
#IfWinActive,
MButton & RButton::
~` & ~ESC::
Send !{F4}
Return

;Instant Google Search... after copying a phrase, click "Insert" to
search the web
Insert::
Run https://www.google.com/search?num=100&site=&q=%clipboard%
Return
;Search Google Scholar for the copied phrase by clicking shift+Insert
+Insert::
Run http://scholar.google.com/scholar?hl=en&q=%clipboard%
Return

;ILLiad MAIN WINDOW
;-----
;Returns "HOME," refreshes, cursor to search
#IfWinActive, ILLiad Client
MButton::
```

See next page for list of Hot Keys

Shortcuts:

ILLiad (Main Window)

Middle Mouse Button or ` on keyboard	= return to "Main" tab, refresh, move cursor to number search
` & b keys (b for "borrowing")	= check in from Lending Library, with the cursor in the ILL number field
Backspace & Delete keys	= clear search fields
` & r (r for "return")	= print (borrowing) return shipping labels
` & s (s for "slips")	= print lending pull slips
` & u (u for "update")	= update lending stacks search
` & d (d for "directory")	= open Policy Directory (from "Main")

ILLiad/Odyssey Scanning

`	= crop image
F2	= rotate image to the left
F3	= flip the image
F4	= rotate image to the right
Del	= delete the selected image

ILLiad "Save Changes" Dialog Box

` or Right Mouse Button	= select "yes"
Middle Mouse Button	= select "no"

General Use (all programs)

CAPSLOCK	= switch to next open window
ALT & CAPSLOCK	= actually turns on the CAPSLOCK on and off
` & ESC	= close current tab (using a browser)
	= close current window (non-browser)
Holding Left & Right Mouse Buttons	= copy selected text
Right Mouse Button (x2)	= paste
INSERT key	= instant Google Search... searches the web for the last copied phrase
INSERT & SHIFT	= same as above, but searches Google Scholar
SHIFT & INSERT	= opens highlighted URL in default browser
` & n (n for "number")	= searches ILLiad for the highlighted number
` & c (n for "citation")	= searches ILLiad for the highlighted citation info (author, title, etc.)

```
C:\Users\bogardusg\Google Drive\Professional\ILLiad 2015\ILLiadScriptDemo.ahk - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
ILLiadScriptDemo.ahk
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158 ;TEXT REPLACEMENT
159
160 ;Example text replacement: typing sref writes "See the library's Reference
161 Desk for further assistance."
162
163     ::sref::See the library's Reference Desk for further assistance.
164
165 ;Type "mysig" to type an email signiture. Fill in your info.
166
167     ::mysig::_____ {enter} [YOUR NAME] {enter} [NAME OF
168     WORKPLACE] {enter} [ADDRESS1] {enter} [ADDRESS2] {enter} [ADDRESS3] {enter} [
169     PHONE]
170
171 ;or
172
173     ::mysig::
174     (
175     _____
176     [YOUR NAME]
177     [NAME OF WORKPLACE]
178     [ADDRESS1]
179     [ADDRESS2]
180     [ADDRESS3]
181     [PHONE]
182     )
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Why You Need To Replace Your Mouse

The standard mouse has three buttons—left, right, and middle. (Yes the wheel is, usually, a button also.) A three-button mouse is fine, but you can fill requests FASTER with a 5, 7, or 9 button mouse.



How many (functional) buttons does this mouse have? Hint: there are three ways to click on the wheel alone!

How many more actions can you perform with this mouse? Hint: # of extra buttons multiplied by # of programs you use, multiplied by # of button combinations

They're a great investment too... because they are so cheap! [Click](#) image to shop.



Helpful Links:

Download AutoHotkey:

<http://www.autohotkey.com/>

AutoHotkey scripting basics:

<http://www.autohotkey.com/docs/Tutorial.htm>

ILLiad Keyboard Shortcuts

<https://prometheus.atlas-sys.com/display/illiad/Tips+and+Shortcuts+for+ILLiad>

Sample ILLiadScript files:

<http://goo.gl/WfDAG5>

Thank you!

Please send me your feedback....

I feel AHK is an under-valued resource in ILL work. I'd be happy to contribute additional scripts and tutorials to the community, but first I need to know there's interest! Use those Listservs!



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