


## Creating a Lisp Tool

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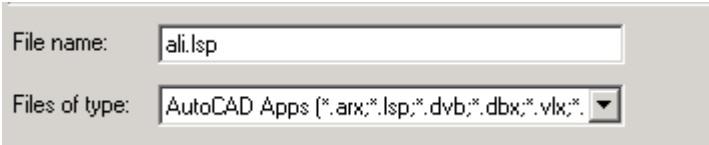
Drawing Name: None  
Estimated Time to Completion: 20 minutes

This tutorial uses the *ali.lsp* routine available for download on my website, but it will work with any lisp routine.

1. Type **APPLOAD** at the command line.

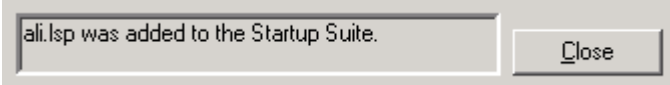
2.  Select the **Contents** button under Startup Suite.

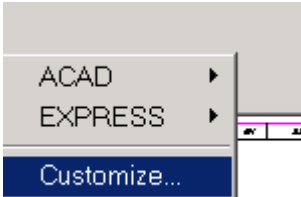
3.  Select **Add**.

4.  Locate the *ali.lsp* file.  
Press **Add**.

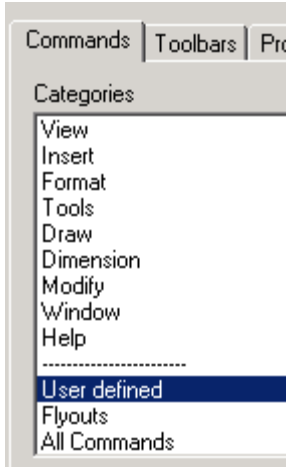
5.  Press **Close**.

This lisp routine will now be available and loaded whenever you start a new drawing.

6.  Press **Close**.

7.  Right click on the tool bar.  
Select **Customize**.

8.



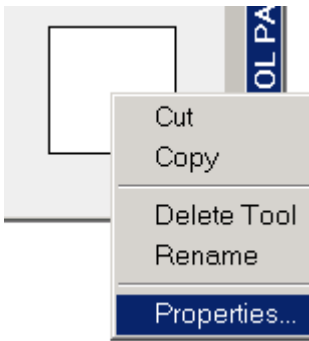
Select the **Commands** tab.

Highlight **User defined**.

Drag and drop the **User defined** tool onto your *Annotation* tool palette.

Close the **Customize** dialog.

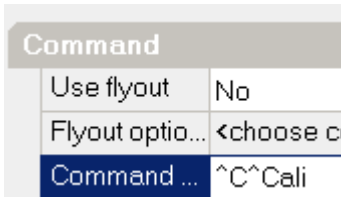
10.



Right click on the copied tool.

Select the **Properties**.

11.



Enter the command of the lisp routine you wish to run.

12.



Change the Name to **Align**.

Change the Description to **Aligns objects**.

Press **OK**.

13.



Use the **SYM** tool to place two instances.

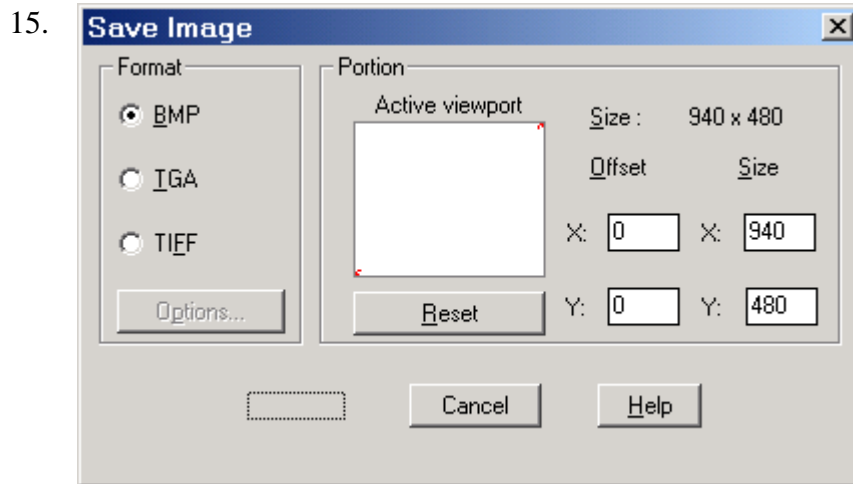
14.



Zoom into the two symbols.

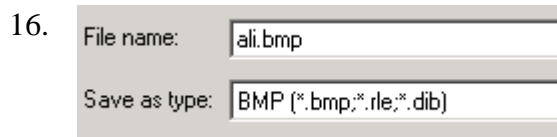


Type **SAVEIMG** at the command line.



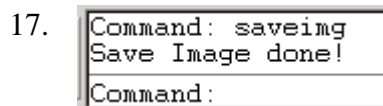
Enable **BMP**.

Press **OK**.

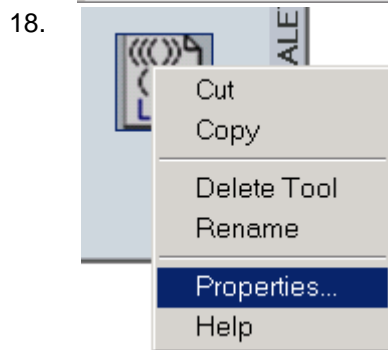


Type *ali.bmp* for the file name.

Press **Save**.

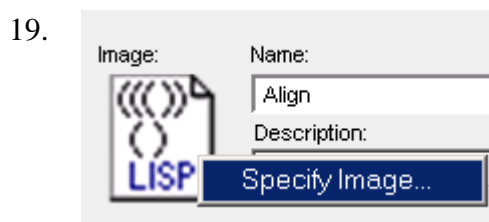


A message will appear on your command line that the image has been created.



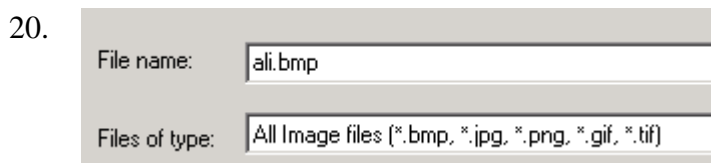
Highlight the Visual Lisp tool.

Right click and select **Properties**.



Right click on the image icon.

Select **Specify Image**.



Browse to your *ali.bmp* file.

Press **Open**.

21.



When you mouse over your custom lisp tool, you see the updated image and the name with description assigned.

22.



Test the tool to align the objects.

