

Image 2.0 Release 3.1

This is release 3.1 of Image 2.0. It is a fully functioning Image 2.0 system that can be used to either create a new system or upgrade a 1.2 system to 2.0. For those who are already running the release 2 version of Image 2.0, the files that have changed since release 2 are as follows:

Disk 1 changed files

im	+./lo.question	+./BA.2.0
ml.rs232	+./MM.maint	+./lo-email
+./modem	+./ED	+./lo.misc
im.disp	+./GF	+./lo.new
im.feedback	+./IM	+./lo.on
im.stats	+./SM.consig1	
+./GF-maint	+./SM.consig2	
+./GF-other	+./UL	
+./IM.access	+./VF	
+./IM.modem	+./new	
+./lo.automaint	+./t	
+./lo	+./SF	
+./lo.varlist	+./reader	

Disk 2 changed files

e.ecs.main	s.menu 4	s.new user
e.lightdefs	s.menu 10	s.nu.welcome
e.loginmods	s.m.info	
s.menu 1	s.m.params	

NOTES:

1. The "im" file is set up for using the cartridge port for rs232 communications. If using the USER port for rs232 communications, you must edit line 3086 by changing &,16,1 to &,16,. Also, insert a rem at the beginning of line 3169 if you see the carrier detect checkmark in the lower right corner of the sysop screen after boot up.
2. The modem is set for 2400 baud. Use the IM Configurator, Modem Config to set the desired baud rate to any value from 300 baud to 38400 to match BBS Server.
3. If you are already running Image 2.0, because the format of e.data record 37 has changed, prior to booting up after installing the above files. edit +.lo by inserting a rem: at the beginning of line 3274. Boot up to the idle screen and enter the 7 key to set your Reserved Password to None. Shut down and remove the rem: from line 3274. Reboot and all should be well. This step is not necessary if doing a new installation or a conversion from 1.2.
4. After installing this revision, you must use the MX command to create the e.macs file if it has not already been created. Also you must use the SF command to enter the "Sysop Files" utility and use the option to create the e.sysop file if it has not already been created. The reason is because both files are written to when filing a new user application.
5. For potential sysop who are installing Image 2.0 for the first time, I have attached the revision 2 installation instructions to the bottom of this document which can be used to guide you through the installation process.

RELEASE 3.1 ENHANCEMENTS:

1. New format for setting the Imge time with the 1 key at idle.
2. Setting your Reserved System Password to One will automatically reset to None after the first reserved login has been made.
3. New format for viewing logs by entering the 8 key at the idle screen. You can select either Activity log or Idle log and then you will be given the option of selecting which day of the week for the chosen log.
4. Border colors - Whenever an error is wrtten to the e.errlog, it turns red. New user attempts will be green. When someone leaves feedback, blue and when someone fails security check medium gray. Entering VF to view the logs returns the border to black.
5. Entering IM to go to the Image Configurator, puts you in full screen mode so the menu doesn't scroll off the top of the screen. Exiting IM returns to split screen mode.
6. A new ml.rs232 file that works with both the user port and the cartridge port.
7. A new Modem Config option for setting the modem speed from 300 to 38400 baud and a single +/-modem file that will work with any baud rate selected to match the BBS Server baud rate.
8. Several modifications to the Image Term program to remove not needed functions and reduce memory usage.
9. Added routine to nightly automaintenance to scratch last week's e.idle file and start a new one for today.

10. New Board Activity screen when entering BA while online. (Courtesy of Bucko)
11. Modifications to the GF maintenance and other options to make is more sysop friendly.
12. New option for setting the callers "calls per day" to a multiple of 10.
13. Misc. fixes to +/-lo.varlist and +.reader
14. Automatic creation of the e.Siglist files from the Sysop Menus.
15. Several other minor fixes and "eye candy" mods.
16. Removed 2nd Security check in +.lo.
17. Revised the new user application program to require an email address instead of a phone number. Also fixed several issues in the program for proper operation. The new user will now be able to edit the default timezone of the location of the BBS to his preferred timezone as part of the new user application. He also has the option of not leaving a comment to the sysop without deleting his application.
18. There is a new logon LMP module (+/lo-email) which upon login, checks to see if the callers record contains a phone number and if so, prompts the caller to replace his phone number with his email address.
19. Changes have been made to the ECS commands to remove commands not supported and add commands for common functions. The new commands are included in s.menu 1 and s.menu 4.

Image 2.0 Rev. 2 Installation Start Guide

Introduction

Image v2.0 was a project started in 1991 by New Image Software, Inc. as an upgrade to the popular Image v1.2a. The project was never fully completed but by 1994 it was far enough along to allow Alpha-Test/Development boards to run copies of it on dial-up, land line modems.

I received a copy of Image 2.0 in the summer of 2016 from the sysop of one of the Alpha-Test boards as a copy of his June, 1995 backup disks. Since 2016, the program has undergone hundreds of fixes, modifications, enhancements and additions. In December of 2016, the first revision of Image 2.0 was posted on the Image BBS Facebook group. At that time it consisted of a single .d81 file containing 282 individual files. Revision 2 now consists of two .d81 files holding 222 files on disk 1 and 85 files on disk 2. Rev. 1 was only capable of creating a new Image 2.0 system from scratch but I'm happy to say that now, Rev. 2 will also convert a 1.2 Turbo/Rel BBS to Image 2.0.

Although we are working on a Swiftlink 19.2Kb version, Image 2.0 R2 currently only runs at 2400 baud from the C= 64 User port. It has been successfully tested while linked to a PC running BBS Server using the following RS232 interfaces:

1. GGLABS GLINK-LT
2. Omnitronix DELUXE RS-232 INTERFACE
3. Commodore VIC-1011A RS232C TERMINAL TYPE

Preparation

Image 2.0 follows the same "Image Drive" assignments as Image 1.2:

- | | |
|---------------------|--------------------|
| 1 - System drive | s. n. files |
| 2 - Email drive | m. nm. files |
| 3 - Etcetra drive | e. files |
| 4 - Directory drive | d. files |
| 5 - Program drive | +, +/ ++ im. files |
| 6 - User drive | u. files |

Boot drive - This revision of Image 2.0 requires the boot drive to be the "Image Drive 5", (Program drive) which is the same drive as the plus files. Take that into consideration when making your drive assignments. I recommend using the default partition upon power up if running on a hard drive.

Note: Procedures for installing a New Board and Converting from a 1.2 System are different and will be explained separately.

Installing a New System

1. Configure your hard drive and/or other system hardware for your Image drive assignments. I recommend separate partitions or drives for Image drives 1 (System), 2 (Mail), 5 (Boot/Program) and combining 3 (Etcetera), 4 (Directory) and 6 (User) drives to a different drive or partition. You'll probably want another drive or partition for the message boards and another for Uploads and Downloads.
2. Either convert the two .d81 files to floppy disk or use some other method of getting the files onto your Image drives.
3. Use fcopy+ included on disk 2 for copying all the files from disk 1 to your boot/program file drive.
4. I recommend using COPY-ALL.64L, also included on disk 2 for copying all the e. files from disk 2 to your .etc drive.
5. Use fcopy+ to copy all the s.files to your system drive and the two nm.files to your mail drive. The utility programs at the bottom of the directory on disk 2 can be copied to your Image system if you desire or some other location as seen fit.
6. The file "+/modem" is customized for use with the above tested RS232 devices at 2400 baud interfaced with BBS Server. Line 4006 contains the initialization string. You may need to edit line 4006 to suit your RS232 interface.

Installation

1. Type: load"boot 2.0",x,1 (x= device # of your boot drive)
2. When prompted to select between Configure a New Board or Convert From 1.2/1.2a, enter 1 to Configure a new board.
3. Image will begin collecting information needed to configure 2.0.
4. Part I: Sysop Information - Enter the information asked for.
5. Part II: Device, Drive Configuration
Clock setting: - You will be asked to select a method of setting Image Time automatically during boot up. If you have any CMD device with a Real Time Clock option installed, select either option 1 or option 4. Otherwise, select option 3 to set the clock from the last auto maintenance timestamp. (Option 3 still requires setting the clock upon boot up). If you select option 4, Image will ask for the device number of your external CMD device. Option 2 (Lt.Kernal Port) is untested and probably doesn't work at this time.
Continue with setting your Device and Drive settings for your "Image Drives Assignments"
6. Part III: BBS Information - Enter the customized information asked for pertaining to YOUR BBS.
7. At this point, Image will create several files needed for it's own operation. When finished, Image will self boot to the call waiting screen and initiate automaintenance. Wait for automaintenance to finish and then shut down and reboot Image. You MUST reboot to prevent a REDIM'D ARRAY error from occurring during your first log on.

Configuration

1. At the System Idle screen, hit the number 1 key to set the time if not already set by the CMD boot device. Image may or may not perform automaintenance again and return to the Idle screen.

2. Press the f7 key to log on and enter RETURN to use NORMAL Logon mode the first time you enter the BBS.
3. Enter your password and security information.
4. Select your time zone (7=EST, 6=CST, 5=MST, 4=PST)
5. The BBS should already have your lines per screen set to 23 but if not, enter the number of lines per screen (suggest 23)
6. At the main prompt, enter EP to Edit your Parameters.
Select Parameters
Set your Computer Type and any other Terminal Parameters you want.
Set Cursor Menu Mode On
Hit RETURN to exit.
7. At this point, it is suggested you log off using the O command which will save your new parameters to your user file. You can then log back on in Instant mode.
8. At the main prompt, enter IM - You will be taken to the Image BBS Configuration Editor
9. You can use cursor controls or just enter E for Access Groups. The Group 9 flags should already be set for full sysop access. Edit any access group Name and Flags per your preference. Enter RETURN to exit, saving changes. You will be returned to the Configuration Editor.
10. Enter I for Misc. Features - At minimum, you will need to set the Time Zone and the System ID. Edit any other parameter you wish to set. When finished, enter M to Quit back to the Configuration Editor.
11. Enter J for Modem Config. The modem should be configured by default to (3DAHH0H1N0) but if not use the Custom option to set the modem configuration. Using options 1 through A, configure your modem. When finished, exit with the Q command and if the BBS answers with Is "3DAHH0H1N0" Ok? answer Yes. Otherwise, redo your configuration until it does. (This may need to be different if using some other RS232 device or TCPSER. When finished configuring your modem, enter Q to quit back to the Configuration Editor.
12. The remaining Configuration options are custom setting for your BBS and will not be discussed as part of the installation process. Select N to exit back to the Main prompt..
13. Enter SM to go to the Sysop Menu Program.
14. Cursor to or enter G for Editor Utils.
15. Enter A to Run Reledit. Here you will define your Subs, U/D's, U/X's and SIG's the same way it is done in Image 1.2a. You MUST define at least one SIG and add your SB, UD and UX assignments. When finished with Reledit, exit out using the RETURN key until you end up back at the Sysop Menu.
16. Enter G again to go to the Editor Programs menu and select B to Convert Sigs. This is a self running program which will convert all the definitions you created in Reledit to 2.0 SIG format. Just sit back and watch. When it finishes, you will be back at the Editor Programs menu.
17. Select C to Run Sigedit. Image will display all the SIGs you defined in Reledit. You must edit each SIG by selecting it's number and editing items 4, 5, and 6. (Subs, U/Ds, U/Xs). For any item having a number other than (0) answer Yes when asked if the SIG has them. The BBS will display a list of numbers corresponding to the board number

in that category. If the number in parenthesis is (0), answer No to the question for that option. To exit the Sig Editor, hit RETURN and answer Yes to save changes. You will be returned to the Editor Programs menu.

NOTE: Any time you make changes in Reedit, all you need to do is scratch all the e.siglist* files and do steps 16 and 17 above.

18. Select H to exit the menu back to the Main prompt.

From here, you're on your own. Explore and become familiar with the new features. Much has changed since Image 1.2 and the best way to learn is to experiment. You'll probably be confused and make mistakes along the way but the learning experience is necessary for a system that has no operating instructions.

As in previous versions of Image BBS software, menus are displayed with the ? mark and a Local Command menu is displayed to level 9 users with zz access by entering ??.

I will answer questions and provide tech support for this software as needed.
Contact X-TEC at node 1 of the NISSA Network.

Converting a 1.2 System

Note: This is the recommended way of converting 1.2 to 2.0. Other ways may work but have not been tested.

1. Make a complete backup of all your Image 1.2 drives.
2. You will need two new Image drives (partitions) or use two locations not already assigned as Image 1.2 drives. They will be used for your Image 2.0 Boot/Program drive (DR5) and your 2.0 System drive (DR1). DO NOT delete any of your Image 1.2 files unless otherwise told to do so.
3. Either convert the two .d81 files to floppy disk or use some other method of getting the files onto your Image drives.
4. Use fcopy+ included on disk 2 for copying all the files from disk 1 to your NEW 2.0 boot/program file drive.
4. I recommend using COPY-ALL.64L, also included on disk 2 for copying all the e. files from disk 2 to your EXISTING 1.2 .etc drive. Allow e.say (small) and e.say to overwrite your existing files.
5. Use fcopy+ to copy all the s.files to your NEW 2.0 system drive and the two nm.files to your EXISTING 1.2 mail drive. If your board is already networked and using the nm.netwall header file, do not select that file for copying. The utility programs at the bottom of the directory on disk 2 can be copied to your Image system if you desire or some other location as seen fit.
6. The file "+/modem" is customized for use with the above tested RS232 devices at 2400 baud interfaced with BBS Server. Line 4006 contains the initialization string. You may need to edit line 4006 to suit your RS232 interface.
7. Boot up and log on to your 1.2 system in local mode. Since Image 2.0 limits the number of SB and UD directory entries to 30, now might be a good time to weed out old messages. SB directories are not a problem in 2.0. They can be weeded or moved to overflow boards. UD directories might be a problem but can also be handled in 2.0 because of it's larger memory available in the WF editor. In 2.0 you can add a new directory in your reledit and add it to your SIG then make a duplicate copy of the 60 file UD directory file saved under the new UD directory number. Then you would just kill the last 30 in the original directory and the first 30 in the duplicate directory (without scratching the files).
8. **IMPORTANT STEP** - Enter the 1.2 WF editor and load the file "bd.data". Lines 1 through 12 identify your Image drive assignments. Edit line 1 and 2 for your NEW 2.0 System Device and Drive numbers. Edit line 9 and 10 for your NEW 2.0 Boot/Program Device and Drive numbers. List the file and make sure everything is correct. SAVE that file as "d.data" (notice: NOT "bd.data") to your NEW 2.0 Boot/Program drive.
9. Scratch the file "e.last" from your 1.2 system. Then shut down your computer.

Installation

1. Go to your new 2.0 Boot/Program drive. Type: load"boot 2.0",x,1 (x= device # of your boot drive)

2. When prompted to select between Configure a New Board or Convert From 1.2/1.2a, enter 2 to Convert from 1.2/1.2a.
3. Clock setting: - You will be asked to select a method of setting Image Time automatically during boot up. If you have any CMD device with a Real Time Clock option installed, select either option 1 or option 4. Otherwise, select option 3 to set the clock from the last auto maintenance timestamp. (Option 3 still requires setting the clock upon boot up) If you select option 4, Image will ask for the device number of your external CMD device. Option 2 (Lt.Kernal Port) is untested and probably doesn't work at this time.
7. At this point, Image will create several files needed for it's own operation. It will read the Image drive assignments and access group information from "d.data" and use that information to create a new "bd.data" file on it own boot drive, modify the existing e.data file with expanded 2.0 information and create a new file called "e.access". When finished, Image will self boot to the call waiting screen and initiate automaintenance. Wait for automaintenance to finish. You do not need reboot when converting 1.2 to 2.0.

Configuration

1. At the System Idle screen, hit the number 1 key to set the time if not already set by the CMD boot device. Image may or may not perform automaintenance again and return to the Idle screen.
2. Press the f7 key to log on and enter RETURN to use NORMAL Logon mode the first time you enter the BBS.
3. Enter your password and security information.
4. Select your time zone (7=EST, 6=CST, 5=MST, 4=PST)
5. Enter the number of lines per screen (suggest 23)
6. At the main prompt, enter EP to Edit your Parameters.
Select Parameters
Set your Computer Type and any other Terminal Parameters you want.
Set Cursor Menu Mode On
Hit RETURN to exit.
7. At this point, it is suggested you log off using the O command which will save your new parameters to your user file. You can then log back on in Instant mode.
8. At the main prompt, enter IM - You will be taken to the Image BBS Configuration Editor
9. You can use cursor controls or just enter E for Access Groups. All access groups should be set the same as they were in 1.2. Edit any access group Name and Flags per your preference. Enter RETURN to exit, saving changes if needed. You will be returned to the Configuration Editor.
10. Enter I for Misc. Features - You should only have to set the Time Zone. Everything else will be carried over from your 1.2 system. Edit any other parameter you wish to change for your new 2.0 system. When finished, enter M to Quit back to the Configuration Editor.
11. Enter J for Modem Config. The modem should be configured by default to (3DAHH0H1N0) but if not use the Custom option to set the modem configuration. Using options 1 through A, configure your modem. When finished, exit with the Q command and if the BBS answers with Is "3DAHH0H1N0" Ok? answer Yes. Otherwise, redo your configuration until it does. (This may need to be different if using some other

RS232 device or TCPSER. When finished configuring your modem, enter Q to quit back to the Configuration Editor.

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14. Cursor to or enter G for Editor Utils.

15. Enter A to Run Reledit. Here you should find your Subs, U/D's, U/X's and SIG's the same way it was configured in Image 1.2a. Verify everything is correct or make changes as needed. When finished with Reledit, exit out using the RETURN key until key until you end up back at the Sysop Menu.

16. Enter G again to go to the Editor Programs menu and select B to Convert Sigs. This is a self running program which will convert all the definitions you observed in Reledit to 2.0 SIG format. Just sit back and watch. When it finishes, you will be back at the Editor Programs menu.

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NOTE: Any time you make changes in Reledit, all you need to do is scratch all the e.siglist* files and do steps 16 and 17 above.

18. Select H to exit the menu back to the Main prompt.

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Final Notes

Included at the end of the disk 1 directory are a few games which can be added to your BBS. +.bingo, +.greed, +.numbersquare and +.snail are stand alone games while "orion.sdp" contains several files combined into a self dissolving program file. Just load and run it and it will extract the files to device 8, drive 0.

In Image 2.0, the GF section replaces the Image 1.2 PF, TF, NF and RF sections. To go there, enter GF at the Main prompt. If you're in Maintenance Mode with Graphic Menus on, you will see a list of sysop options for editing the menus. It was designed to be sysop friendly and anyone with a little Image 1.2 knowledge should be able to navigate through the functions to get items added to the GF section.

I don't know much about VICE but I do occasionally use it for testing the .d64 and .d81 disk images I create and I can say that these two .d81 files will load and run in VICE when attached to drives configured as 1581 types.

Enjoy the files. Many thousand man/hours have gone into their creation and what they are today.

Larry Hedman