

WINDOWS 10 BOOT LOGGING	TB000004	REV. B

Executive Summary

Windows 10 has a built in BOOT logger to aid in troubleshooting startup/shutdown/restart errors. This is disabled by default and must be enabled to use. Below steps describe how to enable and use this feature.

Procedure

1. How to enable Windows 10 BOOT Logging

Press Win + R keys together on the keyboard and type *msconfig* in the Run box. Press Enter.

🖅 Run	×
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
<u>O</u> pen:	msconfig ~
	OK Cancel <u>B</u> rowse

2. When UAC appears, navigate to the **Boot** tab.



System Configuration				
General Boot Services Sta	rtup Tools			
Windows 10 (C:\Windows) : C	rrent OS; Default OS			
Advanced options	Set as default			
Boot options		Timeout:		
Safe boot	No GUI boot	30 seco	onds	
Minimal	Boot log			
O Alternate shell	Base video			
Active Directory repared	OS boot information	Make all boot set	Make all boot settings	
O Network		permanent		
http://w	maero.com			

3. Enable *Boot log* and *OS boot information* under the *Boot options* group.

System Configuration			×
General Boot Services Startup	Tools		
Windows 10 (C:\Windows) : Current (DS; Default OS		
			(inaero, co
Advanced options Set as	default Delete		
Boot options		Timeout:	
Safe boot	No GUI boot	30	seconds
Minimal	Boot log	nucp://w	inaero.co
O Alternate shell	Base video		
Active Directory repair	☑ OS boot information	Make all	boot settings
O Network		permane	nt
14. http://wina	ero.com		
	OK Car	ncel Apply	Help

4. You will be prompted to restart Windows 10. Click on *Restart*, the operating system will be rebooted.

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5. The boot log is stored in the file C:\Windows\ntbtlog.txt and can be opened with your favorite text editor app like Notepad. Just type the following command into the "run" box and save: notepad %SystemRoot%\ntbtlog.txt

📄 ntbtlog - Notepad —	×
File Edit Format View Help	
1 7 2019 14:49:34.487	^
BOOTLOG_LOADED \SystemRoot\system32\ntoskrnl.exe	
BOOTLOG_LOADED \SystemRoot\system32\hal.dll	
BOOTLOG_LOADED \SystemRoot\system32\kd.dll	
BOOTLOG_LOADED \SystemRoot\system32\mcupdate_GenuineIntel.dll	
BOOTLOG_LOADED \SystemRoot\System32\drivers\werkernel.sys	
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