



Shout out to https://tmpout.sh/bggp/3/ for giving me a reason to look for bugs!! Maybe more to come ;)

Verification

Upload an nfc file containing more than 2040 pages. An example file (that will produce a null pointer deference) is provided here:

https://gist.github.com/VVX7/c55b122846253e12f1647e2a85ab2775

Steps:

- Upload the nfc file
- Navigate to saved nfc submenu and load the file
- view file info to trigger the crash

Note:

Larger files will result in similar unexpected behaviour and may not require viewing file info to trigger crash.

Impact

An attacker could place a malicious Amiibo file in a repository like this: https://github.com/Gioman101/FlipperAmiibo/

Checklist (For Reviewer)

PR has description of feature/bug or link to Confluence/Jira task Description contains actions to verify feature/bugfix I've built this code, uploaded it to the device and verified feature/bugfix fix buffer overflow in mifar ul load e77bf96 VVX7 requested review from skotopes, DrZlo13, hedger and gornekich as code owners 3 months ago gornekich commented on Sep 2 Contributor Hello @VVX7. Am I right that there is no actual NFC tag with so many pages? This file was made by hands? VVX7 commented on Sep 2 Contributor Author hiya @gornekich, that's right. The file was made by hand. The risk comes from someone inserting a malicious file into database of Amiibos or something similar as I linked above. Might also be able to emulate an NFC with unusually high page count using a proxmark or hydrabus, idk. I should go poke at that... Merge branch 'dev' into mifare ul buffer overflow √ c329926 gornekich approved these changes on Sep 5 View changes skotopes merged commit 8d8481b into flipperdevices:dev on Sep 5 View details 8 checks passed **VVX7** deleted the mifare_ul_buffer_overflow branch 3 months ago hedger pushed a commit that referenced this pull request on Sep 5 fix buffer overflow in mifar ul load (#1697) ... 40bc8be Dig03 pushed a commit to Dig03/flipperzero-firmware that referenced this pull request on Sep 6 fix buffer overflow in mifar ul load (flipperdevices#1697) 74a46f8

ÇŽ	litui pushed a commit to litui/flipperzero-firmware that referenced this pull request on Sep 10		
	fix buffer overflow in mifar ul load (flipperdevices#1697)	ce6f8e5	
Ç	qistoph pushed a commit to qistoph/flipperzero-firmware that referenced this pull requ	est on Oct 11	
	fix buffer overflow in mifar ul load (flipperdevices#1697)	689547f	
Revie	wers		
gornekich		① ✓	
審 sl	kotopes	1	
Przlo13		1	
h	nedger	① •	
Assigi	nees		
No or	ne assigned		
Labels	s		
None	yet		
Projec	cts		
None	yet		
Miles	tone		
No mi	ilestone		
Devel	opment		
Succe	ssfully merging this pull request may close these issues.		
None	yet		
3 part	ticipants		