

#UPDATE#

This issue is fixed in the Windows 10 1803 versions and newer.

I discovered something interesting that I wanted to be shared with the rest of the world.

Before you read any further, I want you to know that I did send an email to MSRC (Microsoft Security Response Center) about this. The answer I got was this:

<quote>«In general, MSRC does not consider issues that require physical access to be exploited as security vulnerabilities (immutable law #3 in the link below).

If the issue allows for direct code execution bypassing the logon screen of a locked computer, we may consider that a security vulnerability on a case-by-case basis.

"Definition of a Security Vulnerability"

https://msdn.microsoft.com/en-us/library/cc751383.aspx

"Ten Immutable Laws Of Security (Version 2.0)"

http://blogs.technet.com/b/rhalbheer/archive/2011/06/16/ten-immutable-laws-of-security-version-2-0. aspx and the sum of the control of the

</quote>

What I discovered was that I could access the clipboard from the lock screen on Windows 10. How do I do that?

Look at this video:



In this video I, have copied a text to the clipboard prior to locking my machine and I am able to paste into the key field on the wireless connection (WHAT????).

The thing that I find strange is that every other field (username / password) is prohibited to accept paste and to me that means that Microsoft do have some thoughts on preventing access to the clipboard from the lock screen.

I guess this could be useful for an attacker doing social engineering attacks. Like going to a computer during lunch and see what is on the clipboard. And when you think about it, more and more companies are starting to use password managers that generates passwords for the user. And what happens when a generated password is not possible to remember? The user copies it to clipboard of course.

I don't think this is a serious issue, but I would assume that it would be easy for Microsoft to prevent this with a few lines of code.

Hope you liked the blogpost and remember, sharing is caring. otin

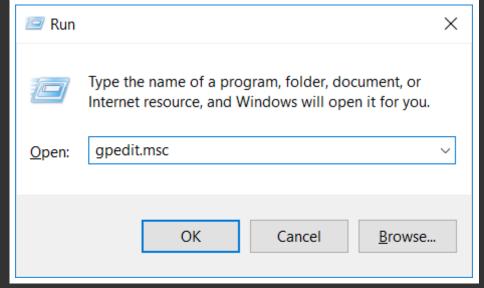
Update #1 26.01.2017: It has come to my attention from Reddit that if you try to connect to an 802.1x-network you will get the unmasked username field as well. Thanks to paulanerspezi for pointing that out.

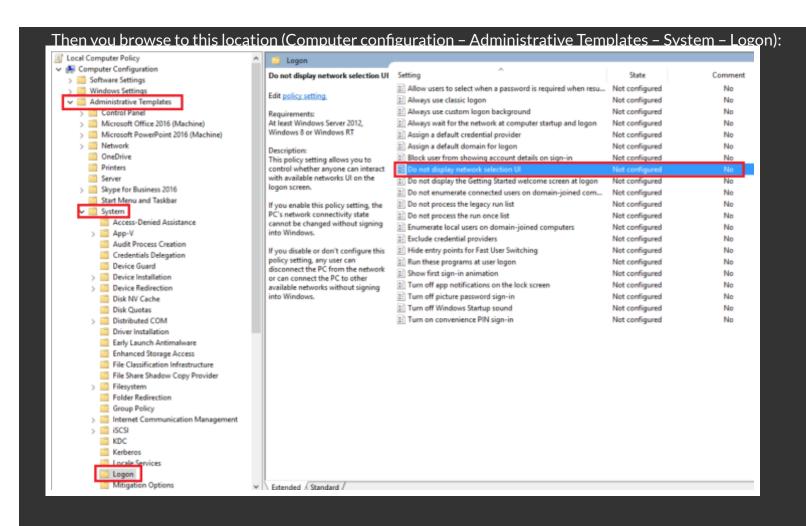
To clear your clipboard before locking your computer you could run the following command: cmd /c "echo off | clip"

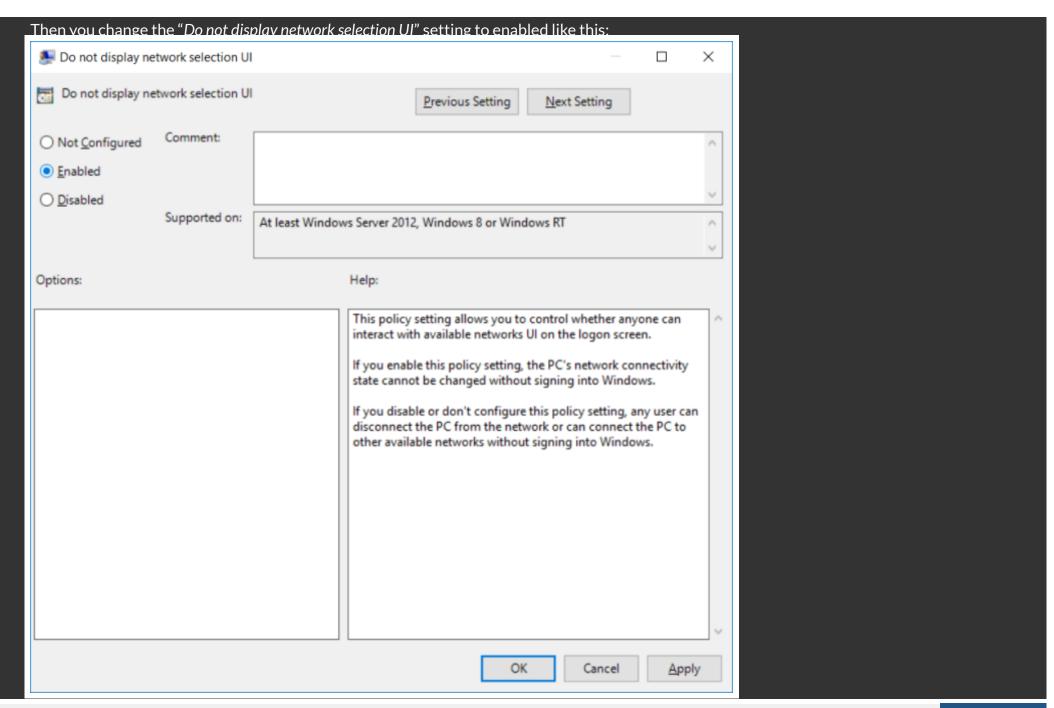
Update #2 26.01.2016: How to remove the network icon from the lock screen

To remove the network option on the lock screen you could either create a Group Policy and link it or do it locally if your computer is not a part of a domain. The settings are exactly the same.

To block it on a local machine that is not a part of a domain, you do the following:







Thats it! **Update 27.01.2017:** A new blogpost about the same problem using Narrator. **SHARE THIS:** Facebook 13 G+ Google Twitter ★ Like Be the first to like this. RELATED Accessing clipboard from the lock screen in Windows Defender Attack Surface Reduction Persistence using RunOnceEx - Hidden from Windows 10 #2 Rules bypass Autoruns.exe In "Security" In "Security" **NEXT POST** Accessing clipboard from the lock screen in Windows 10 #2

9 THOUGHTS ON "ACCESSING CLIPBOARD FROM THE LOCK SCREEN IN WINDOWS 10"

Pingback: Access clipboard from the lock screen - Windows 10 - sec.uno



Brian Peppers says:

25 Jan 2017 at 8:43 pm

It's a password field though, so the content of the clipboard isn't being disclosed, but only the length (where it is below the maximum length of the visible password box).



Reply



Oddvar Moe says:

25 Jan 2017 at 10:15 pm

Well, you can click on the Eye icon and see the content after pasting so I would say it is disclosed... See the video.

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Pingback: 【知识】1月26日 - 每日安全知识热点 - 莹莹之色

Pingback: Access clipboard from lock screen in Windows 10 #2 - MSitPros Blog



Hack Happy says:

2 Mar 2017 at 2:30 am

There is another method that does not require the narrator. Use the "Password Recovery" option after typing an invalid password.

- Insert any removable media, contents do not matter, removable media is required for password recovery tool to run.
- Enter invalid password
- Run password recovery, select Next
- Paste clipboard contents into the media selection ComboBox

I demonstrate this method here: https://youtu.be/XdbFGjOOel0?t=4m



Reply



Patrick says:

22 May 2017 at 7:40 pm

You can also disable the ability to view passwords with the eye button. Even though this feature is nice, I would absolutely disable this.



Reply

