

The image features a large, light gray watermark of the Adminizer logo. The logo consists of a circle with a white ring inside, followed by the word "ADMINIMIZE" in a bold, uppercase, sans-serif font. The word "Adminizer" is written in a bold, black, sans-serif font, centered over the watermark.

# Adminizer

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[adminize.com](http://adminize.com)

# Why should I keep on reading?

- If you don't want to have to remember or change your local admin passwords
- If you don't want to give users permanent or time limited local administrative rights to Windows this is the #1 solution for you
- **Adminizer brings random and automatically changing one time passwords to Windows!**

# Sami Laiho – Whoami?

- IT Admin for more than 18 years, more than half of my life ;)
- Microsoft Most Valuable Professional in Windows OS
  - 2011, 2012, 2013, 2014
- Microsoft Certified Trainer for 14 years
- Certified in Windows NT → Windows 8.1
- Worked with customers ranging from tens to tens of thousands of computers
- Brains behind the Windows 7 deployment for City of Helsinki



# Sami Laiho – Whoami?

- Projects:
  - Creator of Wioski: <http://www.wioski.com/>
  - One of the creators of GBNP:  
<http://www.getabrandnewpassword.com/>
  - Creator of the Adminizer <http://www.adminize.com/>
- Public speaker at local and global events:  
Techdays, MCT Summit and Techmentor
  - Reference:  
<http://www.heikniemi.net/hardcoded/2011/10/looking-back-at-techdays-finland-2011/>

# My aim is to be a Developer

- Administrator + developer = Developer
- Develops software that Administrators need and that adhere with company policies and make applying them possible and easy
- Only someone with hands on experience as an Administrator can develop tools that also take into account security and manageability

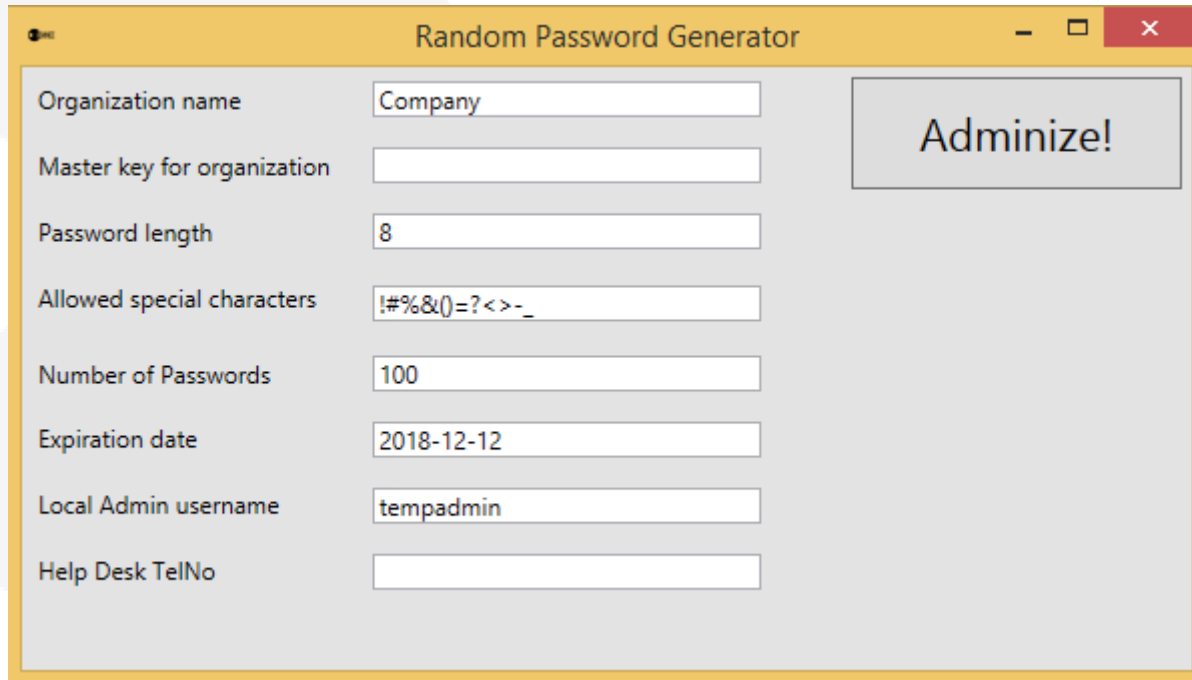
# Adminizer

- Gives you the ability to give out Admin rights to users on a onetime basis
- Makes it possible for you to assure your customers you are not one of those old IT-departments that won't give out Admin rights although it might stop productive work
- Allows for offline elevation – No network connection needed
- After implementing Adminizer your support doesn't need to know, remember or change the local administrator passwords!

# Adminizer - Client

- Workstation has an encrypted password list randomly generated by you
  - For example 35000 passwords gives a unique password for every hour around the year for the next four years
- Password is changed whenever it is utilized by Logon, RDP-logon, UAC-prompt or RunAs
- Password is changed every hour just to be on the safe side

# Password generator



Random Password Generator

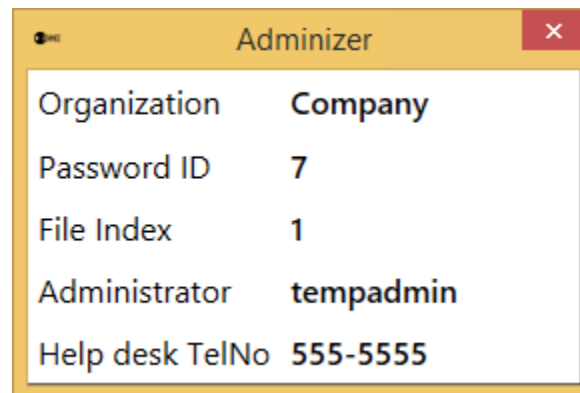
Organization name	<input type="text" value="Company"/>
Master key for organization	<input type="text"/>
Password length	<input type="text" value="8"/>
Allowed special characters	<input type="text" value="!#%&amp;()=?&lt;&gt;_-"/>
Number of Passwords	<input type="text" value="100"/>
Expiration date	<input type="text" value="2018-12-12"/>
Local Admin username	<input type="text" value="tempadmin"/>
Help Desk TelNo	<input type="text"/>

Adminize!



# Adminizer – For the end user

- When a user is asked for credentials he will click the Shift key five times and get an ID-number. He will then tell this number to the helpdesk personnel or send it via SMS
  - Works for full logon also
- User is given a one time password for the ID

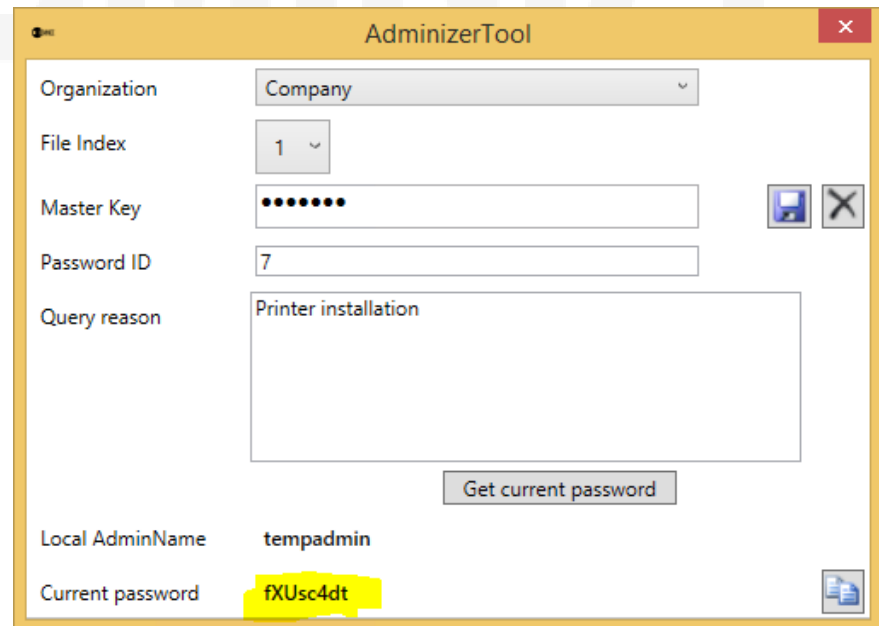


The screenshot shows a window titled "Adminizer" with a yellow border and a red close button. The window contains a table with the following data:

Organization	Company
Password ID	7
File Index	1
Administrator	tempadmin
Help desk TelNo	555-5555

# Adminizer – For Helpdesk

- Adminizer Tool takes the given ID and fetches the password for it
- Adminizer Password Generator creates the password lists



The screenshot shows the AdminizerTool application window. The title bar reads "AdminizerTool". The interface includes the following fields and controls:

- Organization:** A dropdown menu with "Company" selected.
- File Index:** A dropdown menu with "1" selected.
- Master Key:** A text input field containing seven dots, with a save icon and a close icon to its right.
- Password ID:** A text input field containing the number "7".
- Query reason:** A text area containing the text "Printer installation".
- Get current password:** A button located below the query reason text area.
- Local AdminName:** A label with the value "tempadmin".
- Current password:** A label with the value "fXUsc4dt", which is highlighted in yellow.

# Passwords are as secure as any local password + randomization

- User can never access the password – only a password ID is visible to the user and only via the AdminizerClient software
- Passwords are never sent over wire or wireless
- Password file is encrypted with AES 256

# How to secure the desktop even better

- The same principles apply to any OS protection
  - No Admin rights 😊
  - No FireWire
  - BitLocker or other Harddisk encryption
    - A PIN or other form of authentication
    - No standby mode allowed → Always hibernate
  - No local debugging allowed

# Password file

- Size for 50000 passwords is 2 MB
- Generation takes a few seconds for  $\leq 50000$  passwords

# Benefits

- Last resort when the user has to be given admin rights
- No fear of giving end users admin rights for an extended period of time
  - With Direct Access and IPv6 this is even bigger a concern than ever before
- You don't have to wait for the client to contact SCCM, Altiris etc. for the password to change
- Perfect pair for Avecto's Privilege Guard or like

# Case examples

- Employee stays at a hotel and can't get the Internet connection to work – for example trying to set a static IP
  - Without a connection the companies IT can't help but with Adminizer they can!
- User is trying to install a printer with a custom setup.exe → Adminizer doesn't need to be focused on a unique piece of software or action

# Saves money

- Every computer that allows the user to continue his work without compromising security and the whole network makes productivity and end user satisfaction rise
- A computer without admin rights has 90% less risk for malware
  - Adminizer is a proactive form of protection as Anti-Malware is 95% reactive



# Price

Computers	€
0-100	500 €
101-250	1000 €
251-1000	2000 €
1001-10000	5000 €
10001-20000	7500 €
20001-50000	10000 €
UNLIMITED	50 000 €

# License

- Licenses are sold for the amount of computers so you don't have to buy new licenses for new computers – the licenses are transferrable
- One time license – no yearly or monthly fees
- Security or critical patches are always free
- Support contracts can be negotiated – contact [sales@adminize.com](mailto:sales@adminize.com)

# Helpdesk

- ServiceDesk is located in Finland
- Support is offered via Email mainly
- Support is certified for NBD (Next Business Day)
- Support contracts via higher or different SLA's can be negotiated – Contact [sales@adminize.com](mailto:sales@adminize.com)

# Think about it...

- It's nice to be able to say to your customers that they will be given the needed rights and be able to actually do it - No more Boss' who can't get their job done because of lack of network connections during a crucial meeting
- Make your end users satisfied with security from now on
- And on top of it all you stay well beyond the current security guidelines and don't have to worry about being audited – and you don't ever have to change, remember or document local admin passwords!

# Thank you!

- For more information contact:  
[sales@adminize.com](mailto:sales@adminize.com) or me directly  
[sami@adminize.com](mailto:sami@adminize.com)
- Follow the developer on Twitter: @samilaiho