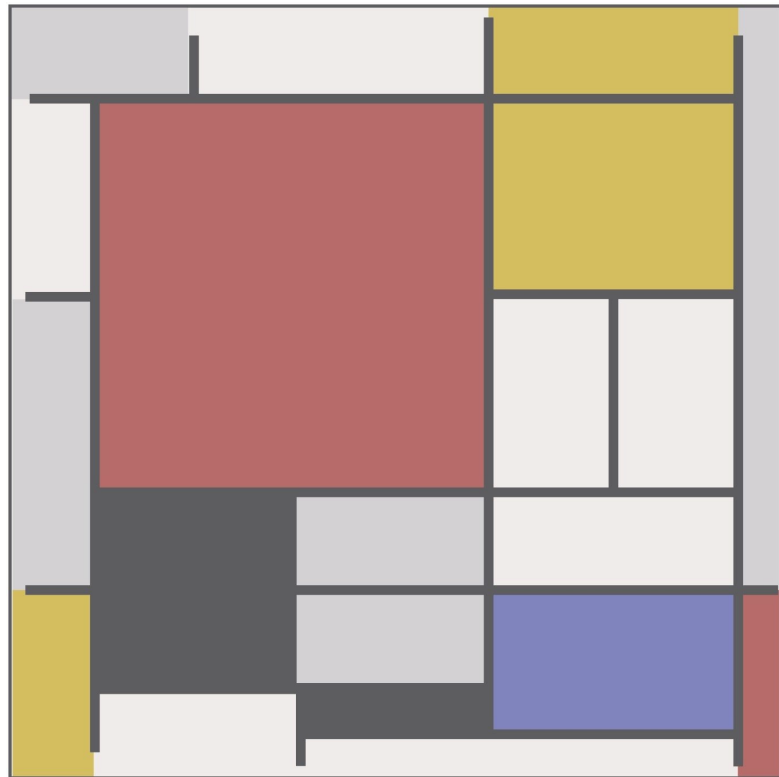
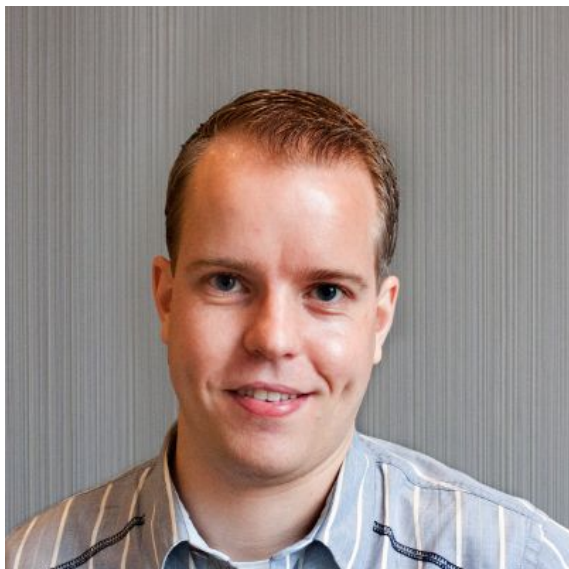


# The Beauty of Simple

**Michael Boelen**  
NLUUG - May 16th, 2017



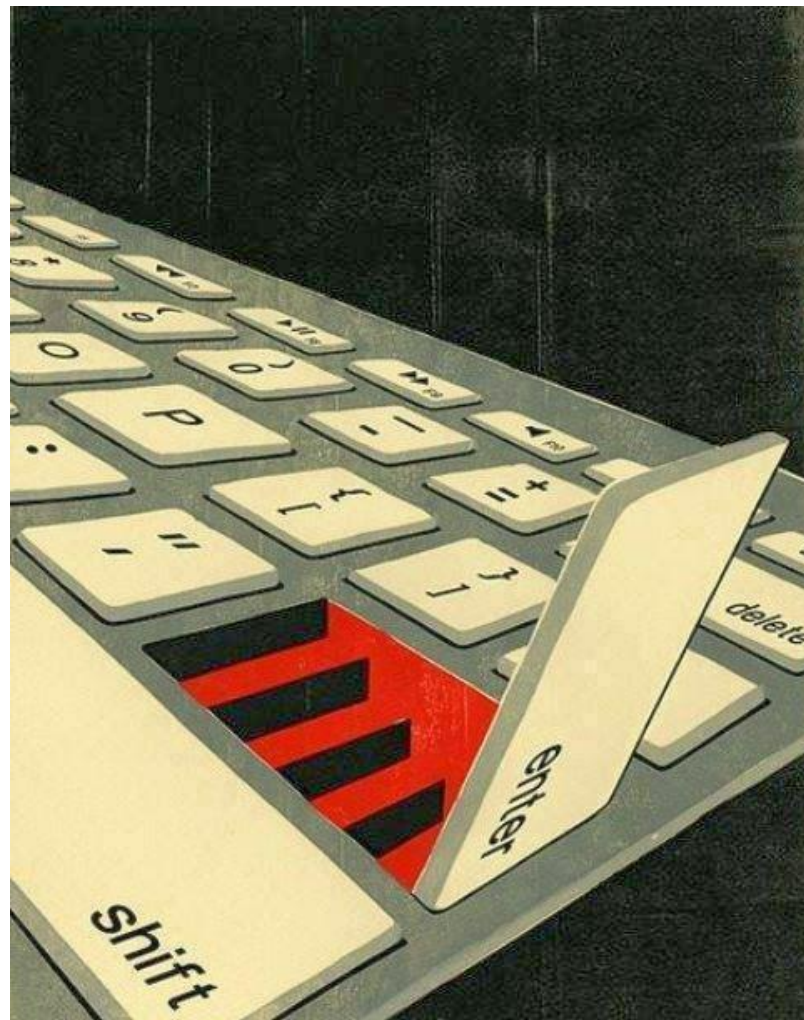


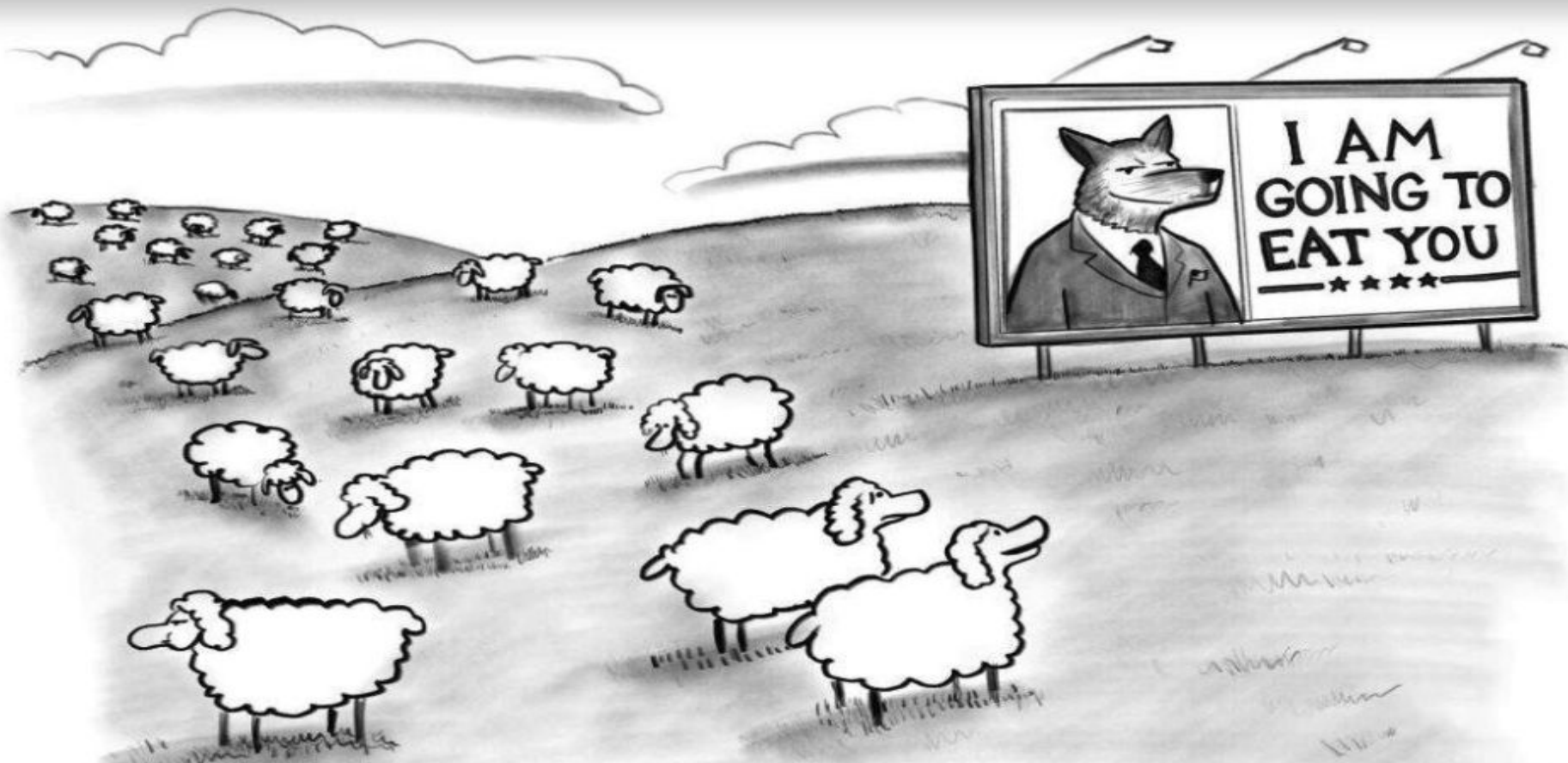
# Today

- Define 'simple'
- Challenge complexity
- Simplify your life



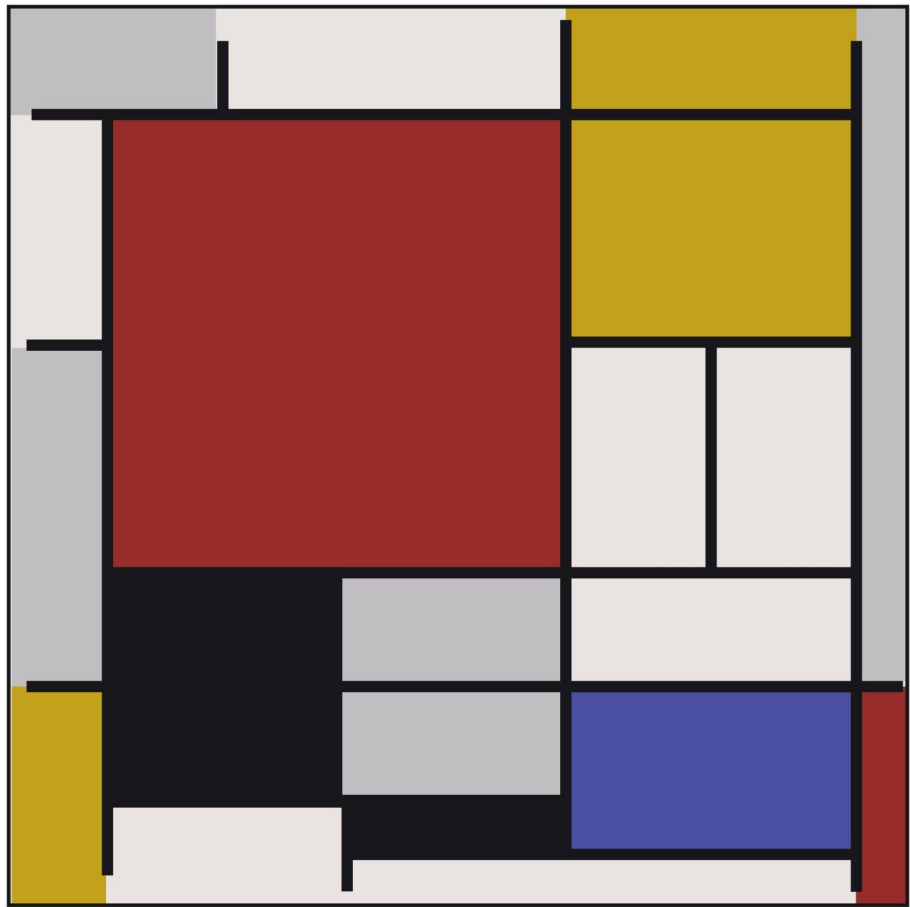
@mboelen





PAUL  
NOTH

**“Simple”**



**Simplicity  
is the  
ultimate  
sophistication.**



**Introducing  
Apple II,  
the personal  
computer.**







# **Keep it simple, stupid.**

**Kelly Johnson, KISS principle**

*Simplicity is  
prerequisite for  
reliability.*

Edsger W. Dijkstra, How do we tell truths that might hurt? (1975).

Simplicity is the  
shortest path to a  
solution.

Ward Cunningham, "The Simplest Thing that Could Possibly Work"

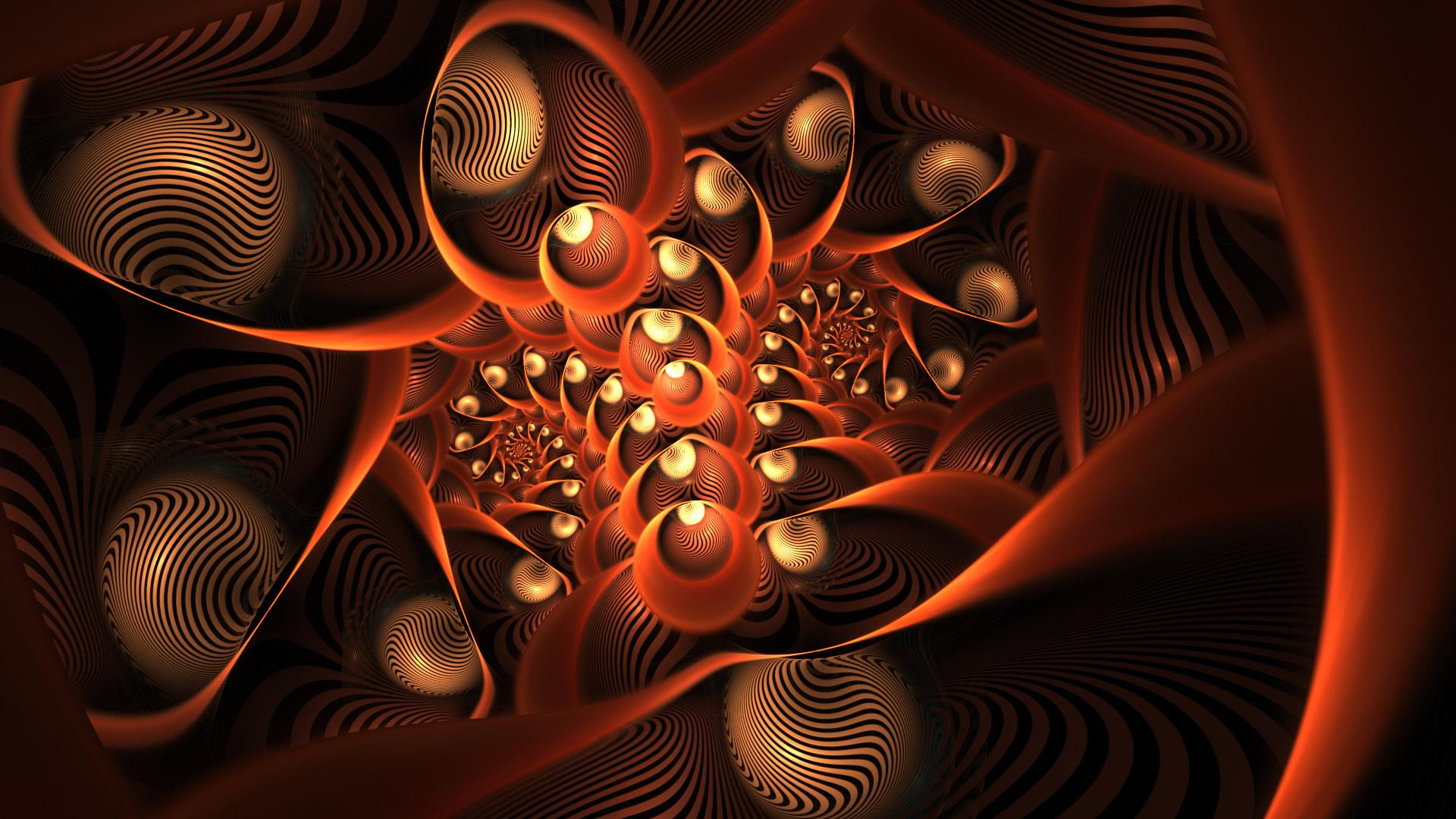
**Simplicity** — the art of  
maximizing the  
amount of work not  
done — **is essential.**

Principles behind the Agile Manifesto (2001).

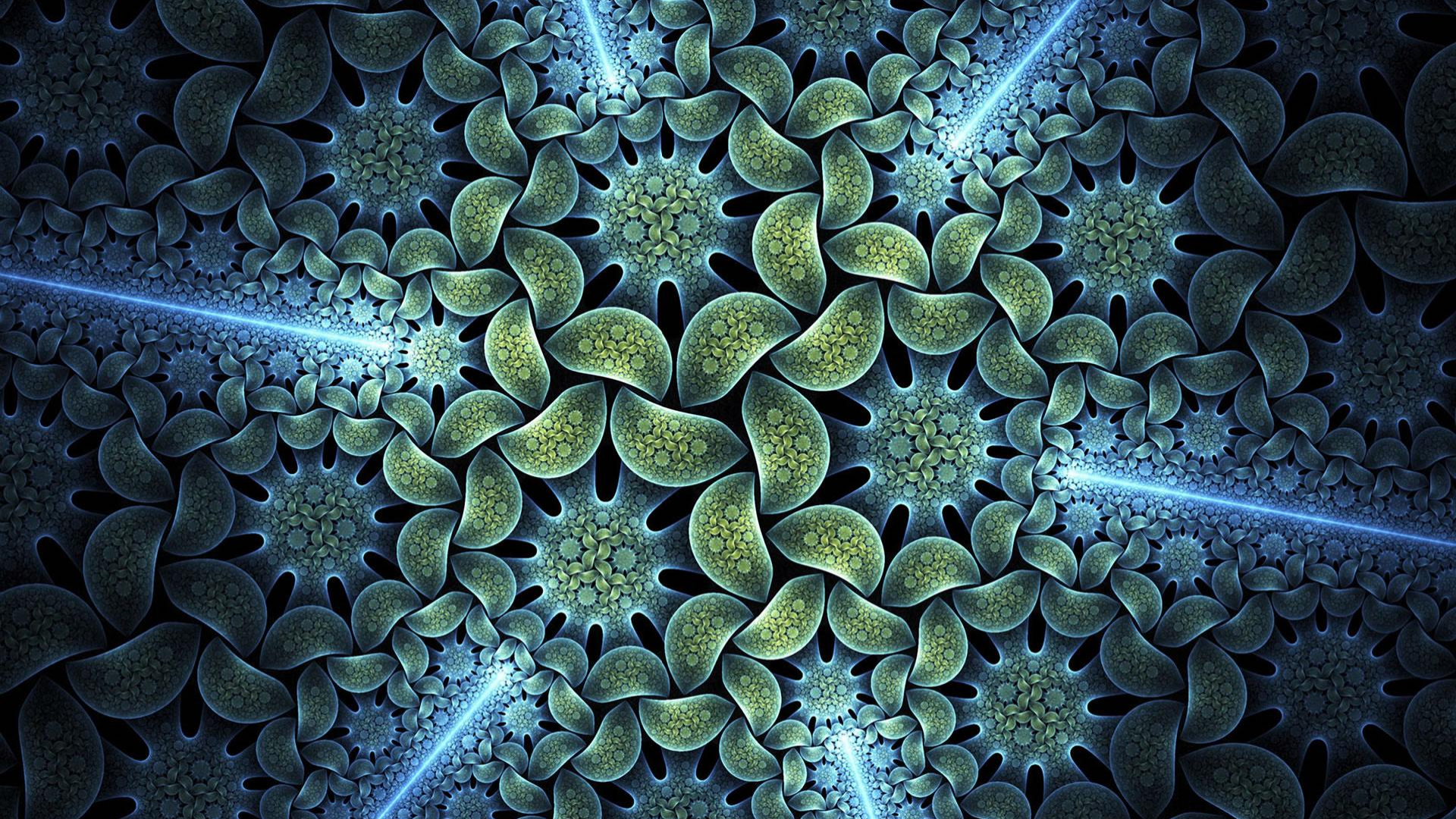
# Less is more.

Robert Browning, Andrea del Sarto (1855).

**Complexity**











# Choices



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Gaming reinvented. Ominous power.



HP EliteBook 850

Sophisticated travel pro.



HP EliteBook x360 1030 G2

New and innovative security solutions



HP Spectre

Artisan materials and striking craftsmanship.



HP ENVY 15

Impossibly thin. Enviably engineered.



HP Pavilion 17

Watch more, play more, store more.



HP ProBook 640

Built for performance

[Mac](#)[iPad](#)[iPhone](#)[Watch](#)[TV](#)[Music](#)[Support](#)[MacBook](#)[MacBook Air](#)[MacBook Pro](#)  
New[iMac](#)[Mac Pro](#)[Mac mini](#)[Accessories](#)[macOS Sierra](#)[Compare](#)

## MacBook Pro

# A touch of genius.

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# Choices

```
hardening~ [0]# nmap
Nmap 7.01 ( https://nmap.org )
Usage: nmap [Scan Type(s)] [Options] {target specification}
TARGET SPECIFICATION:
  Can pass hostnames, IP addresses, networks, etc.
  Ex: scanme.nmap.org, microsoft.com/24, 192.168.0.1; 10.0.0-255.1-254
  -iL <inputfilename>: Input from list of hosts/networks
  -iR <num hosts>: Choose random targets
  --exclude <host1[,host2][,host3],...>: Exclude hosts/networks
  --excludefile <exclude_file>: Exclude list from file
HOST DISCOVERY:
  -sL: List Scan - simply list targets to scan
  -sn: Ping Scan - disable port scan
  -Pn: Treat all hosts as online -- skip host discovery
  -PS/PA/PU/PY[portlist]: TCP SYN/ACK, UDP or SCTP discovery to given ports
  -PE/PP/PM: ICMP echo, timestamp, and netmask request discovery probes
  -PO[protocol list]: IP Protocol Ping
  -n/-R: Never do DNS resolution/Always resolve [default: sometimes]
  --dns-servers <serv1[,serv2],...>: Specify custom DNS servers
  --system-dns: Use OS's DNS resolver
  --traceroute: Trace hop path to each host
SCAN TECHNIQUES:
  -sS/sT/sA/sW/sM: TCP SYN/Connect()/ACK/Window/Maimon scans
  -sU: UDP Scan
  -sN/sF/sX: TCP Null, FIN, and Xmas scans
  --scanflags <flags>: Customize TCP scan flags
  -sI <zombie host[:probeport]>: Idle scan
  -sY/sZ: SCTP INIT/COOKIE-ECHO scans
  -sO: IP protocol scan
  -b <FTP relay host>: FTP bounce scan
PORT SPECIFICATION AND SCAN ORDER:
  -p <port ranges>: Only scan specified ports
    Ex: -p22; -p1-65535; -p U:53,111,137,T:21-25,80,139,8080,S:9
  --exclude-ports <port ranges>: Exclude the specified ports from scanning
  -F: Fast mode - Scan fewer ports than the default scan
  -r: Scan ports consecutively - don't randomize
  --top-ports <number>: Scan <number> most common ports
  --port-ratio <ratio>: Scan ports more common than <ratio>
```

# Up VS ....?

Usage: vagrant [options] <command> [<args>]

-v, --version	Print the version and exit.
-h, --help	Print this help.

## Common commands:

box	manages boxes: installation, removal, etc.
connect	connect to a remotely shared Vagrant environment
destroy	stops and deletes all traces of the vagrant machine
global-status	outputs status Vagrant environments for this user
halt	stops the vagrant machine
help	shows the help for a subcommand
init	initializes a new Vagrant environment by creating a Vagrantfile
login	log in to HashiCorp's Atlas
package	packages a running vagrant environment into a box
plugin	manages plugins: install, uninstall, update, etc.
port	displays information about guest port mappings
powershell	connects to machine via powershell remoting
provision	provisions the vagrant machine
push	deploys code in this environment to a configured destination
rdp	connects to machine via RDP
reload	restarts vagrant machine, loads new Vagrantfile configuration
resume	resume a suspended vagrant machine
share	share your Vagrant environment with anyone in the world
snapshot	manages snapshots: saving, restoring, etc.
ssh	connects to machine via SSH
ssh-config	outputs OpenSSH valid configuration to connect to the machine
status	outputs status of the vagrant machine
suspend	suspends the machine
up	starts and provisions the vagrant environment
vbguest	
version	prints current and latest Vagrant version

```
Usage: rkhunter [--check | --unlock | --update | --versioncheck |
--propupd [{filename | directory | package name},...] |
--list [{tests | {lang | languages} | rootkits | perl | propfiles}] |
--config-check | --version | --help] [options]
```

Current options are:

--append-log	Append to the logfile, do not overwrite
--bindir <directory>...	Use the specified command directories
-c, --check	Check the local system
-C, --config-check	Check the configuration file(s), then exit
--cs2, --color-set2	Use the second color set for output
--configfile <file>	Use the specified configuration file
--cronjob	Run as a cron job (implies -c, --sk and --nocolors options)
--dbdir <directory>	Use the specified database directory
--debug	Debug mode (Do not use unless asked to do so)
--disable <test>[,<test>...]	Disable specific tests (Default is to disable no tests)
--display-logfile	Display the logfile at the end
--enable <test>[,<test>...]	Enable specific tests (Default is to enable all tests)
--hash {MD5   SHA1   SHA224   NONE   <command>}	SHA256   SHA384   SHA512   Use the specified file hash function (Default is SHA1, then MD5)
-h, --help	Display this help menu, then exit
--lang, --language <language>	Specify the language to use (Default is English)
--list [tests   languages   rootkits   perl   propfiles]	List the available test names, languages, rootkit names, perl module status or file properties database, then exit
-l, --logfile <file>	Write to a logfile (Default is /var/log/rkhunter.log)
--noappend-log	Do not append to the logfile, overwrite it
--nocf	Do not use the configuration file entries for disabled tests (only valid with --disable)
--nocolors	Use black and white output
--nolog	Do not write to a logfile
--nomow, --no-mail-on-warning	Do not send a message if warnings occur
--ns, --nosummary	Do not show the summary of check results
--novl, --no-verbose-logging	No verbose logging
--pkgmgr {RPM   DPKG   BSD   SOLARIS   NONE}	Use the specified package manager to obtain or verify file property values. (Default is NONE)
--propupd [file   directory   package]...	Update the entire file properties database, or just for the specified entries
-q, --quiet	Quiet mode (no output at all)
--rwo, --report-warnings-only	Show only warning messages
--sk, --skip-keypress	Don't wait for a keypress after each test
--summary	Show the summary of system check results (This is the default)
--syslog [facility.priority]	Log the check start and finish times to syslog (Default level is authpriv.notice)
--tmpdir <directory>	Use the specified temporary directory
--unlock	Unlock (remove) the lock file

[ Lynis 2.4.8 ]

```
#####
Lynis comes with ABSOLUTELY NO WARRANTY. This is free software, and you are
welcome to redistribute it under the terms of the GNU General Public License.
See the LICENSE file for details about using this software.
```

2007-2017, CISOfy - <https://cisofy.com/lynis/>  
Enterprise support available (compliance, plugins, interface and tools)

```
#####
```

[+] **Initializing program**

**Usage:** lynis **command** [options]

**Command:**

**audit**

audit system	: Perform local security scan
audit system remote <host>	: Remote security scan
audit dockerfile <file>	: Analyze Dockerfile

**show**

show	: Show all commands
show version	: Show Lynis version
show help	: Show help

**update**

update info	: Show update details
update release	: Update Lynis release

**Options:**

--no-log	: Don't create a log file
--pentest	: Non-privileged scan (useful for pentest)
--profile <profile>	: Scan the system with the given profile file
--quick (-Q)	: Quick mode, don't wait for user input

**Layout options**

--no-colors	: Don't use colors in output
--quiet (-q)	: No output
--reverse-colors	: Optimize color display for light backgrounds

**Misc options**

--debug	: Debug logging to screen
--view-manpage (--man)	: View man page
--verbose	: Show more details on screen
--version (-V)	: Display version number and quit



# Confusion

jacurtis 12 hours ago

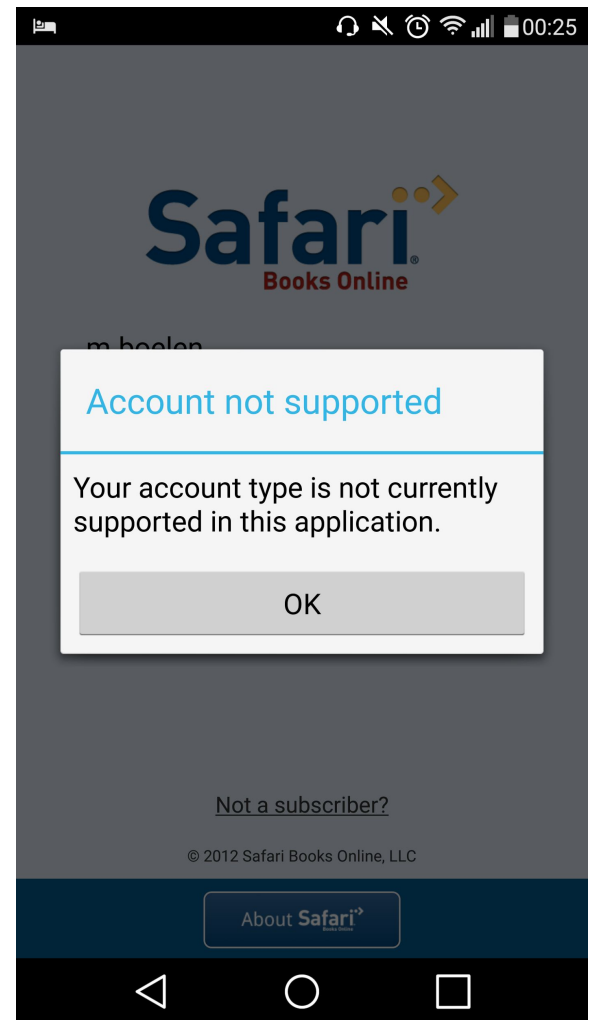
I am glad im not the only one confused by this. I went to the webpage first, couldnt really figure out what exactly it did. So i went to HN comments to see if i could figure out the purpose of this product through the comments. Turns out everyone is confused as well, lol.

akerro 11 hours ago

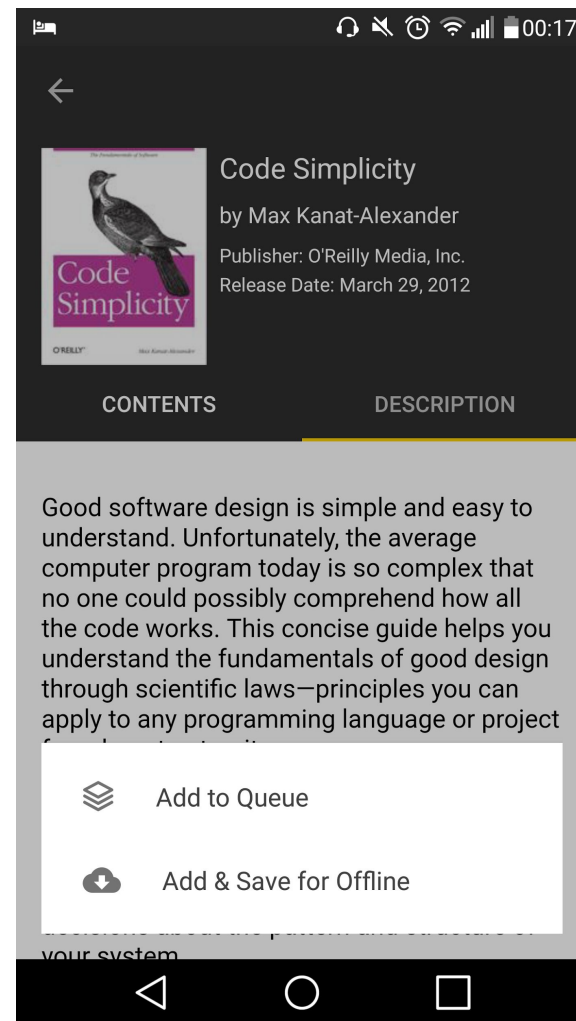
**BUT DOES IT SCALE ON THE CLOUD**



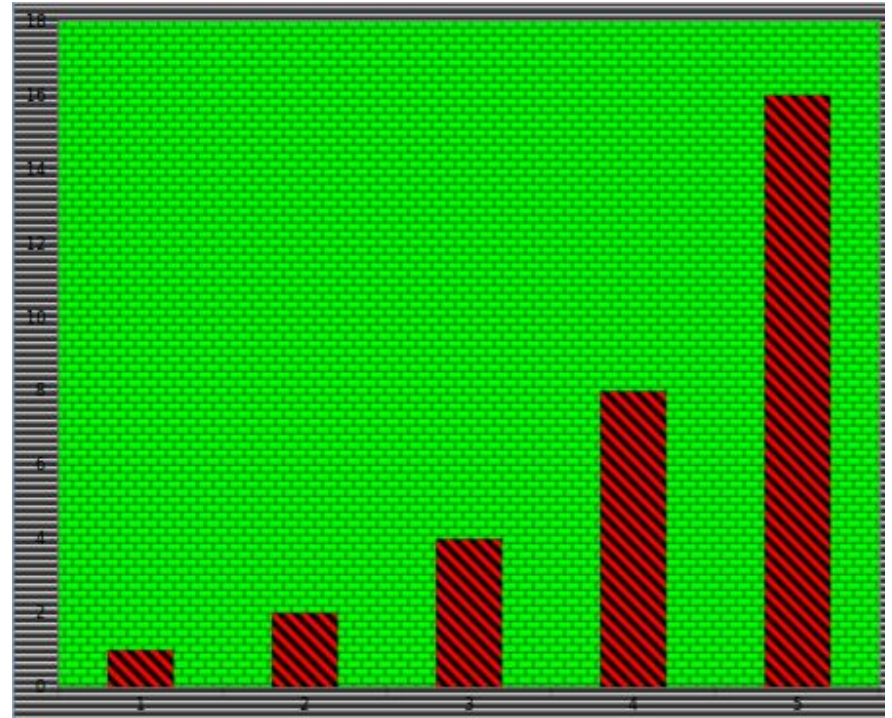
# Useless Errors



# Reading



# Chartjunk



<https://upload.wikimedia.org/wikipedia/commons/c/c9/Chartjunk-example.svg>

# How to kill complexity?

- First impression
- Simplicity
- Next step

# Example: Open Source Projects

- Good description, “Get started”
- Colors, sane defaults
- Show log file, link with more details

**Simplify Life**

# How?

- Identify
- Reduce
- Organize

# Method: 5S

- Seiri (整理) Sort
- Seiton (整頓) Set in order
- Seisō (清掃) Shine
- Seiketsu (清潔) Standardize
- Shitsuke (躰) Sustain





12:49  
Mon, May 1

13°C



Bunnik

The wet weather continues.  
Rain for the rest of the day.



Sleep



Learning



Message  
and Music



Travel



Phone



Business



Online



# More

zen habits : breathe

## Uncopyright

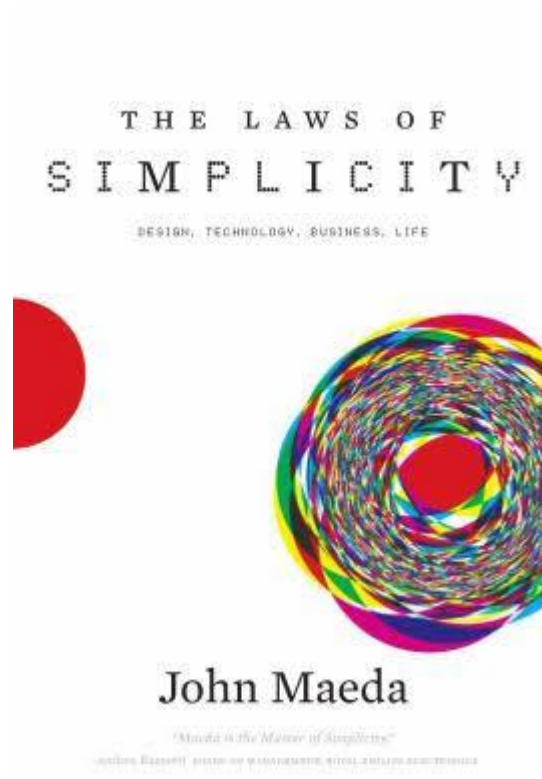
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**Thanks**

**(and enjoy the conference!)**



# Programming

- You aren't gonna need it (YAGNI)
- Don't repeat yourself (DRY)
- Minimum Viable Product (MVP)
- Feature creep, creeping featurism or featuritis
- Principle of good enough
- Wirth's law (software VS hardware)