

Libre et Santé

Libre and Healthcare

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Ethics/Deontology

College of health professionnals



Write

Code of ethics



Rule

Professionnal practice

For example:

Code of **medical** ethics

Code of ethics for **pharmacists**

Dental ethics code

Project of **nursing** code of ethics

Including two major principles

Professionnal secrecy / Medical confidentiality

Professionnal independence

Understanding Computing for better choices In the digital age.

Three essential concepts:

- 1. Universal (Turing) machine**
- 2. Compilation**
- 3. Kerckhoffs's principle**

This knowledge is necessary
to understand current developments.



Acting and stop undergoing

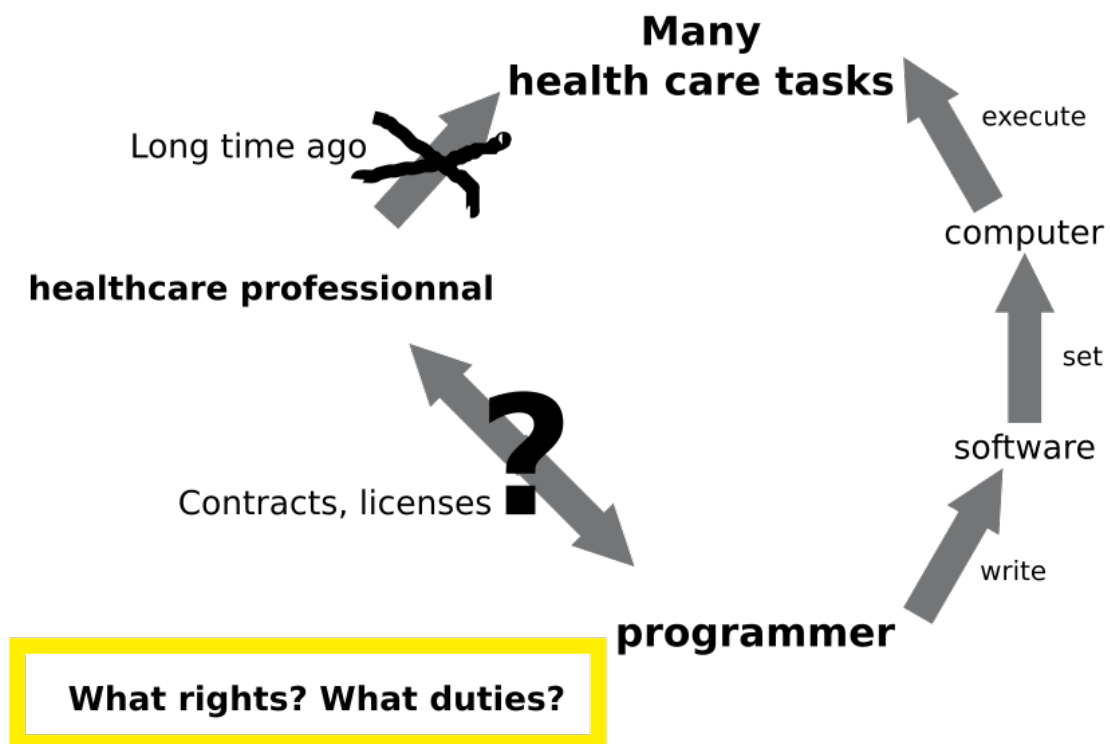
Universal machine

A computer is
a **tool**
capable to execute **any task**
if it was programmed for this task.

Two practical consequences:

1. Computing is important for health professionals

2. Determinism



Contracts? Licences?

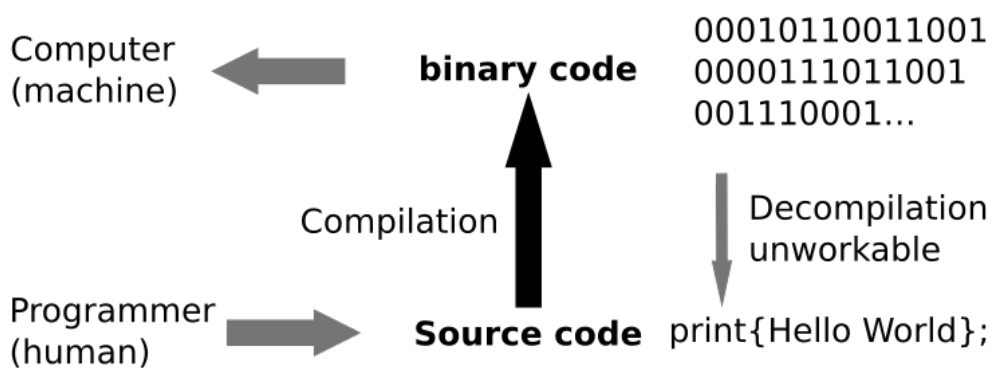
Pharmacists ethics code, article 18:

« The pharmacist must submit to any financial or **technical** or moral constraint [...] notably on the occasion of the conclusion of **contracts**, agreements or amendments. »

EULA (End-User Licence Agreements)

EULAs are they **compatible with medical ethics** ?

Compilation



The **functional version** of the program (which is in computers) **is understandable** by any person or group.

SO Independent analysis of the product is impossible **for the first time** in the history of the industry

Two first necessary rights

Medical ethics code, article 39

« Physicians can not provide as healthy or harmless [...] a remedy (or process) illusory or insufficiently experienced. »

Dental ethics code, article 26

« Deceiving practitioners and patients presenting as healthy or harmless a insufficiently proven process is a serious fault. »



a maximum number of people should
study the source code
test the binary code

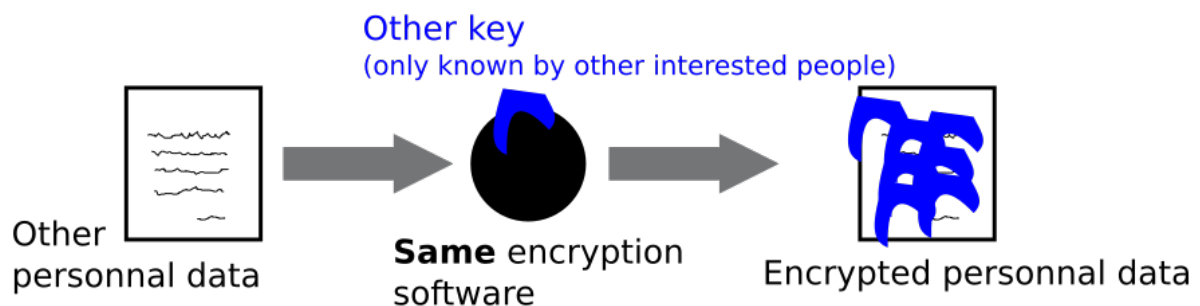
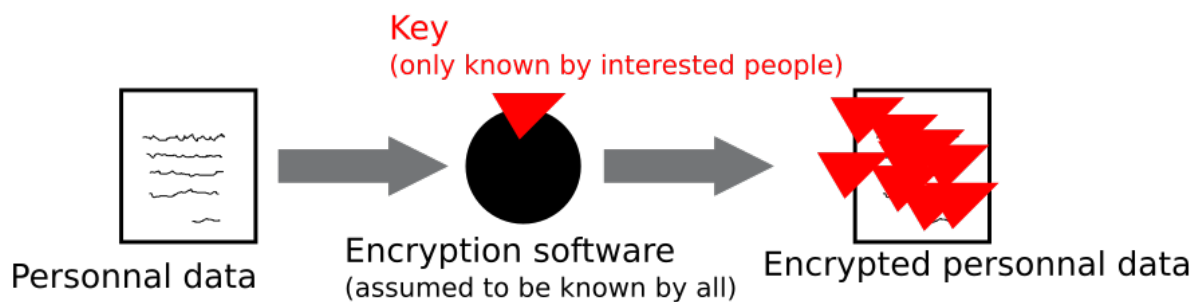
It is a matter of **transparency**

The license of any health software should give
at every personn the following **inalienable** rights:
to **study** the program (source code)
to **redistribute** the program (binary code)

Kerckhoffs's principle

Penal code, article 226-13
Professionnal secrecy

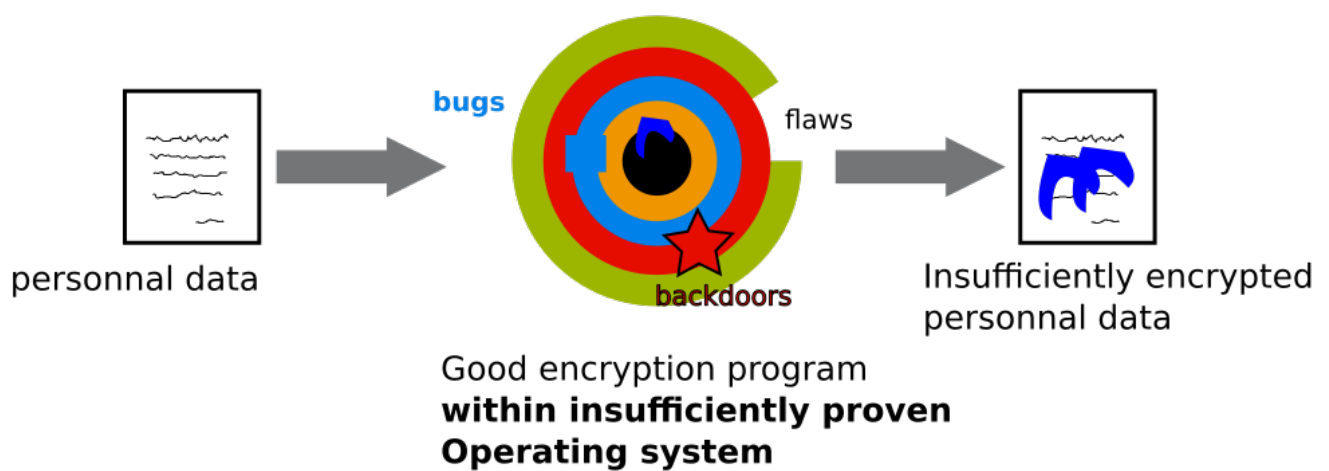
Kerckhoffs's principle
Cypher should not require secrecy.





The source code for encryption software must be studied,
its binary code to be tested.

Professional secrecy requires that the previous two rights
also apply to the license of an encryption software.



Professional secrecy requires
that the previous two rights also apply to the license
of all software in the computer.

Professional independence

Ethics code of pharmacists, article 3

« The pharmacist must maintain freedom of professional judgment in the performance of his duties. He can not alienate its independence in any form whatsoever. »

Advertising inclusion prescription software

Low interoperability between in patient record management software

Two additional necessary rights



a maximum number of people should
modify the source code
redistribute to all the confreres the binary code of the modified version

Professional independence requires

The license of any health software should give
at every personn the following **inalienable** rights:
to **modify** the program (source code)
to **redistribute** the modified version of the program (binary code)

Ethics requires Libre Software

Establish

Ethics

In the digital age

With Libre Software

Three step

- 1. Understanding that it is achievable**
- 2. Involve the whole community**
- 3. Evoke professional duty**

Technical neutrality?

1. Technical neutrality < Ethics

and Libre Software = Ethics
so technical neutrality < Libre Software

2. Libre Software is not a technical issue

It's a legal issue.

3. Libre Software promote commercial neutrality

Wich is the rationale of technical neutrality

Establish

Ethics

In the digital age

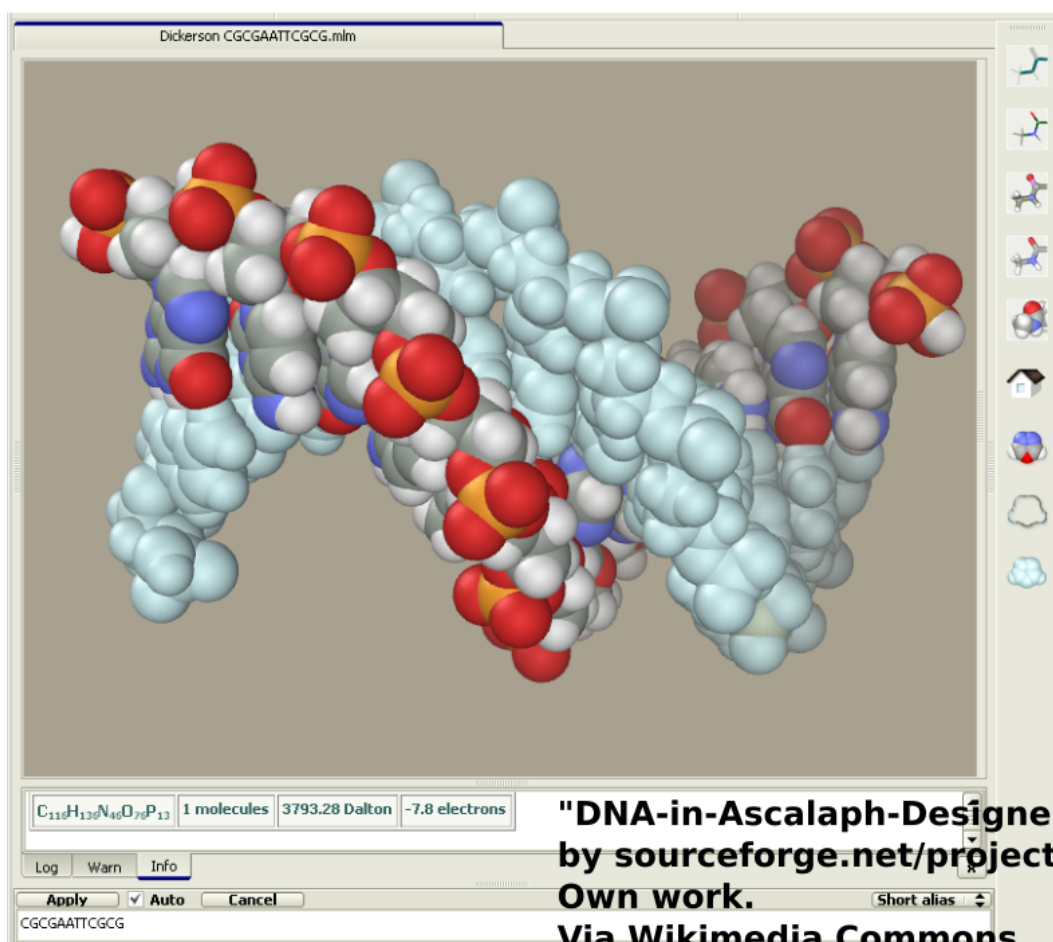
With Libre Software

Three step

- 1. Understanding that it is achievable**
- 2. Involve the whole community**
- 3. Evoke professional duty**

[www.**librehealthcare**.org](http://www.librehealthcare.org)





"DNA-in-Ascalaph-Designer"
by sourceforge.net/projects/asc-designer/
Own work.
Via Wikimedia Commons

freemedforms - 0.8.0 / Docteur MAEKER Eric

Patients

Agenda

ATCD

Médicaments


Formulaires patient

Comptabilité

Rechercher

Chercher par nom (appuyez sur Alt et haut/bas pour faire défiler)

Capitaine	♂	ARCHER	Jonathan	20 04 1928	21, StarFleet Comman...
Monsieur	♂	FREEMEDFORMS	0.7.6	21 10 1980	freemedforms 0.7.6
Capitaine	♀	JANEWAY	Kathryn	20 04 1938	21, StarFleet Comman...
Capitaine	♂	KIRK	James Tiberius	20 04 1968	21, StarFleet Comman...
Capitaine	♂	PICARD	Jean-Luc	20 04 1948	21, StarFleet Comman...



Capitaine ARCHER Jonathan - 84 année(s) 6 mois 19 jours

Détails ▲

Titre

Nom de naissance

Prénom

Genre

Capitaine

ARCHER

Jonathan

M

Âge

Date de naissance

84 année(s) 6 mois 19 jours

vendredi 20 avril 1928

Numéro de sécurité sociale

12804

Profession

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21, StarFleet Command EarthTown 1968 UnitedStates

Détails ▲

Adresse

Ville

Code postal

Pays

21, StarFleet Command

EarthTown

1968

US

Téléphones

Fax

Courriel

Téléphone mobile

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