

Privacy & Beveiliging

Tutorial week 6

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OUTLINE

- Support-round
- Extra Exercises
- Discussion:
“Zorgverzekeraars kiezen voor Google EPD”
- Demo: “Do It Yourself” Virtual Machine and tools



SUPPORT-ROUND

Any questions or problems?

EXTRA EXERCISES



The 'Y2K' problem occurred because programmers reserved only two digits for years in their software. Thus the year 1993 is stored in the computer as 93.

One of the problems was that the original programmers did not suspect that their software would still be used after the year 1999. Why was the 'Y2K' bug considered to be a real problem? What could possibly go wrong? Do you think that the Y2K bug was the last of its sort, or will there be more bugs like this in the future?

2

Software originally developed to help parents and ISPs block access to material inappropriate to children was adapted for use by some governments to block access to information that those governments deemed not suitable for the general public. Is there an inherent difference between the use of the same software in these situations? Do you think that all software programs of this kind (also think about, for example, encryption) can be used 'for good and for evil'? Do you think the developers of the first system had thought about the consequences of the filtering software they build? Should they?

3

Computer models are used in many different places. One such place where computers models have been used with great success is the stock market. Can you think of a risk of using computer models at the stock market? As such computer models became more effective they were not only used to predict the market, but also to automatically (without human intervention) buy and sell stocks. Is there anything risky with this practice? Explain your answer.

4

Symmetric and asymmetric encryption are often combined in practice. Can you explain why?

DISCUSSION

Twee Amerikaanse zorgverzekeraars gaan het elektronisch patiëntendossier van Google aan hun klanten aanbieden, daarnaast gaat de zoekgigant het mogelijk maken om informatie uit zorgverzekeringen te importeren. Google deed de aankondiging tijdens de Health 2.0 conferentie in San Francisco. Zorgverzekeraar APWU gaat het klanten mogelijk maken om alle informatie van de laatste 18 maanden in Google Health te importeren, om die vervolgens automatisch te laten updaten. Ook klanten van verzekeraar Harvard Pilgrim Health Care kunnen hun medische verleden importeren en zorgverzekering aan Google Health koppelen. Het gaat dan onder andere om recepten, medicijnen, ziekten, procedures en andere gegevens die sinds 2006 zijn opgeslagen.

Google werkt daarnaast samen met bedrijven die het op veilige wijze mogelijk maken om via e-mail en video een arts te consulteren. Wederom is alle informatie in het Google EPD op te slaan. De ontwikkeling van Google Health gaat in hoog tempo door, zo laat de zoekgigant weten, die binnenkort de plannen voor 2010 zal onthullen. Gebruikers kunnen inmiddels nog meer medische documenten scannen en naar de dienst uploaden. Verder is het mogelijk om verzekeringsgegevens op te slaan en zijn er ook grafieken beschikbaar die de voortgang bij bepaalde aandoeningen in kaart brengen.

SECURITY DEMO

- VMWare / Virtualbox
- DVWL / Backtrack ISO's
- Tool overview
- Exploitme's



FURTHER READING

- <http://www.virtualbox.org/> (open source virtual machine)
- <http://www.vmware.com/products/> (vmware producten)
- <http://www.thoughtpolice.co.uk/vmware/> (gratis vmware images)
- http://msdn60.e-academy.com/elms/Storefront/Storefront.aspx?campus=msdnaa_fu6719&np1=112 (gratis microsoft producten)
- <http://www.damnvulnerablelinux.org/> (vulnerable os + exercises)
- <http://www.remote-exploit.org/backtrack.html> (attacker os)