Ninjas
Today's security
Security in Free Software
Security in Pardus
Summary...
Final

Security in PARDUS

İsmail "cartman" Dönmez

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About Ninjas...

- People skilled in "ninjitsu" discipline
- Their lineage comes from thousand of years ago
- They can stay underwater for days (Source: Cüneyt Arkın, Last Combatant)
- Sleep is unknownst to them

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Security Ninjas

- Some say they don't even sleep
- They can apply or change more than one patch
- And talk on Jabber at the same time
- They are fast
- Their take pride in their code

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Why Ninjas?

- Being awake is serious for security
- Vulnerabilities should be fixed fast
- Security means no sleep
- Ninjas are way cooler than Pirates!

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Some Numbers

- Everyday about 5 security vulnerabilities are discovered
- There are over 2000 packages in Pardus
- There is only zero plus one Ninja in Pardus
- So, there are 2000 packages assigned to a ninja

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New Security Vulnerabilities

- New security vulnerabilities can be found automatically
- Fuzz Testing, Pen Testing, etc
- Today a vulnerability means money

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Security Strategies in Free Software

- Newly developed security strategies (PIE, Stack Randomization, etc)
- Common Security Consortium (vendor-sec)
- Code auditing

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Every Free Software is not secure

- In last 2 years;
- 1 in Perl
- 2 in Python
- More than 40 security vulnerabilities discovered in PHP
- Free Software is not always secure

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Our Vision

- A Pardus developer can fight 10 ninjas
- Just really want it, and it'll happen
- Sleep is overrated
- Sorry, security is not optional

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Our Mission

- 24/7 Security
- Fixing security vulnerabilities as fast as we can
- Categorization of security vulnerabilities according to their security levels
- Provide security updates to users in a fast manner

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Successful Operations

- IPv6 RT0 - security vulnerability solved at the same night
- Netlink Recursion vulnerability, at the same day
- libpng's last security vulnerability is fixed 10 minutes after the initial announcement
- PHP vulnerabilities anounced at MOBP are fixed the same day
- One vulnerability in Java is fixed mounths before the other distributions did
- Latest Samba vulnerabilities are fixed before it is announced at security websites

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Tips for Success

- Organizing your sleeping time according to vulnerability arise hours (3:00 AM is our favorite)
- Following a lof of security web sites (1000 RSS messages a day)
- Following mailing lists (3000 e-mails a day)
- Believe in it!

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Summary...

- Still we have only one ninja in our security team
- We need new security ninjas to be trained
- Security is our priority , always experiment Safe "HEX"

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Questions?