Proactive Computer Security
Capture The Flag

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- You get a computer with a number of services running.
- Reverse engineer the services. Patch the vulnerabilities.
- Write exploits. Hack the other teams' computers.

There are a lot of these. The most prestigious one is
DEF CON CTF.

It's held every year in Las Vegas during the DEF CON
security conference.

- Virtual machines
- Services that are patched runtime
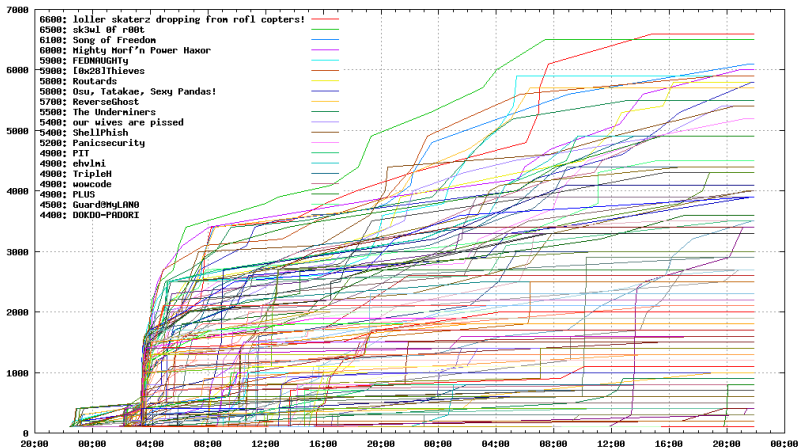- Machine code calling java code
- Every binary format you can imaging

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But first you have to qualify...

2007 DefCon CTF Prequal Scores

6600:	loller skaterz dropping from rofl copters!
6500:	sk3wl 0f r00t
6100:	Song of Freedom
6000:	Mighty Morf'n Power Haxor
5900:	FEDNAUGHTy
5800:	[0x28]Thieves
5800:	Routards
5800:	Osu, Tatakae, Sexy Pandas!
5700:	ReverseGhost
5500:	The Underminers
5400:	our wives are pissed
5400:	ShellPhish
5200:	Panicsecurity
4900:	PIT
4900:	ehwlmi
4900:	TripleH
4900:	wowcode
4900:	PLUS
4500:	Guard@MyLAN0
4400:	DOKDO-PADORI

European nopsled team

- work work work
- frustration
- WIN we made it

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- step 1: Setup our equipment
- step 2: Lets play the game
- step 3: No network we are blind
- step 4: The day of pain
- step 5: We finished 6th. not good but we learned the lesson
- step 6: There are rules but . . .

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DEF CON 18 (2011) CTF Qualifications

Registration ends: **03 June 2011 00:00:00 UTC**
Qualifications open: **03 June 2011 19:00:00 UTC**
Qualifications ends: **06 June 2011 00:00:00 UTC**

DIKU should play. Register a team. It's free and it's a lot of fun.

UCSB iCTF
http://ictf.cs.ucsb.edu/

The DEF CON CTF Organizers
http://www.ddtek.biz/

DEF CON CTF Forum
https://forum.defcon.org/forumdisplay.php?f=499

DEF CON CTF Writeups
http://nopsr.us/

DEF CON CTF Videos
http://urlju.mp/jf
http://urlju.mp/0q