

# Introduction to Web Security

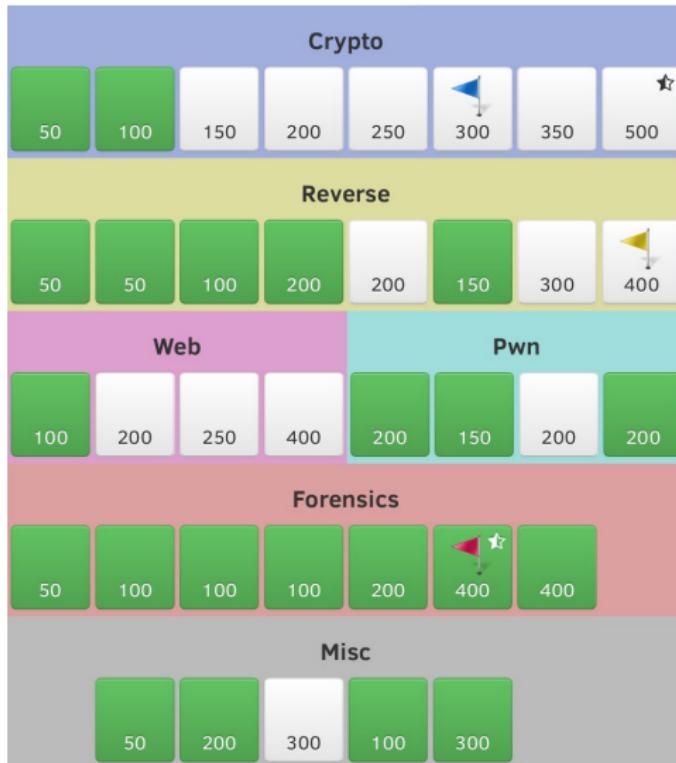


# CTF: Capture The Flag

- Collaborative hacking competitions
  - Teams vs. Teams
- The goal is to capture flags
  - By finding and exploiting bugs
  - By understanding systems
  - By uncovering hidden secrets
  - By breaking crypto

CTF{THIS\_IS\_A\_FLAG}

# CTF Type: Jeopardy



# CTF Type: Attack-Defense

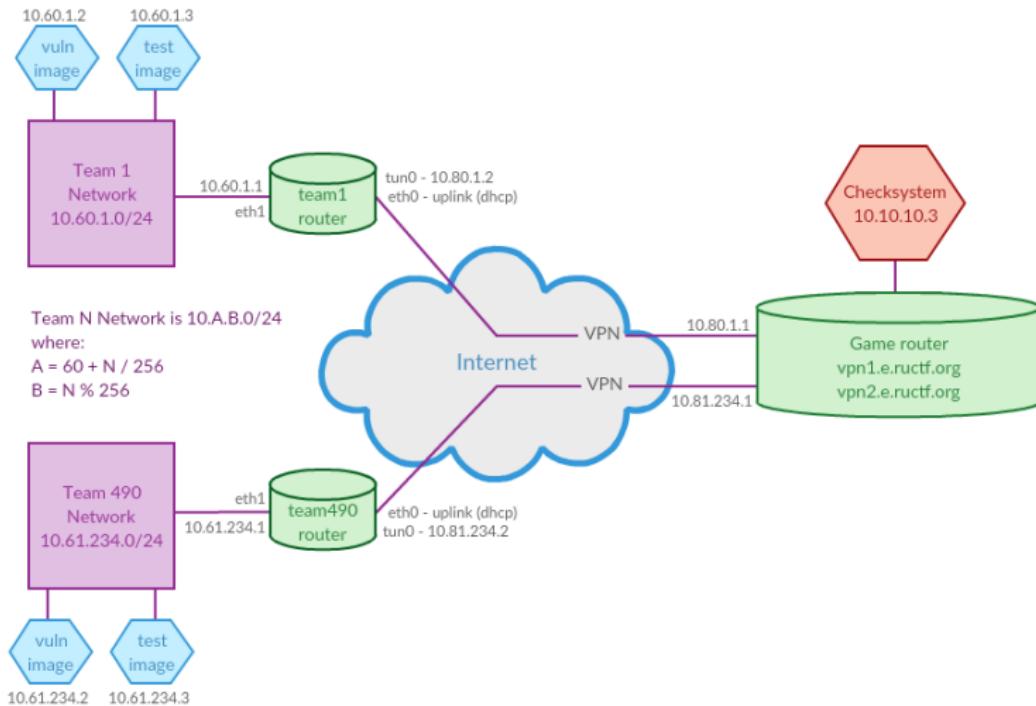


Figure: RUCTF 2015 Network Schema (source: RUCTF org)

# CTF Type: Attack-Defense

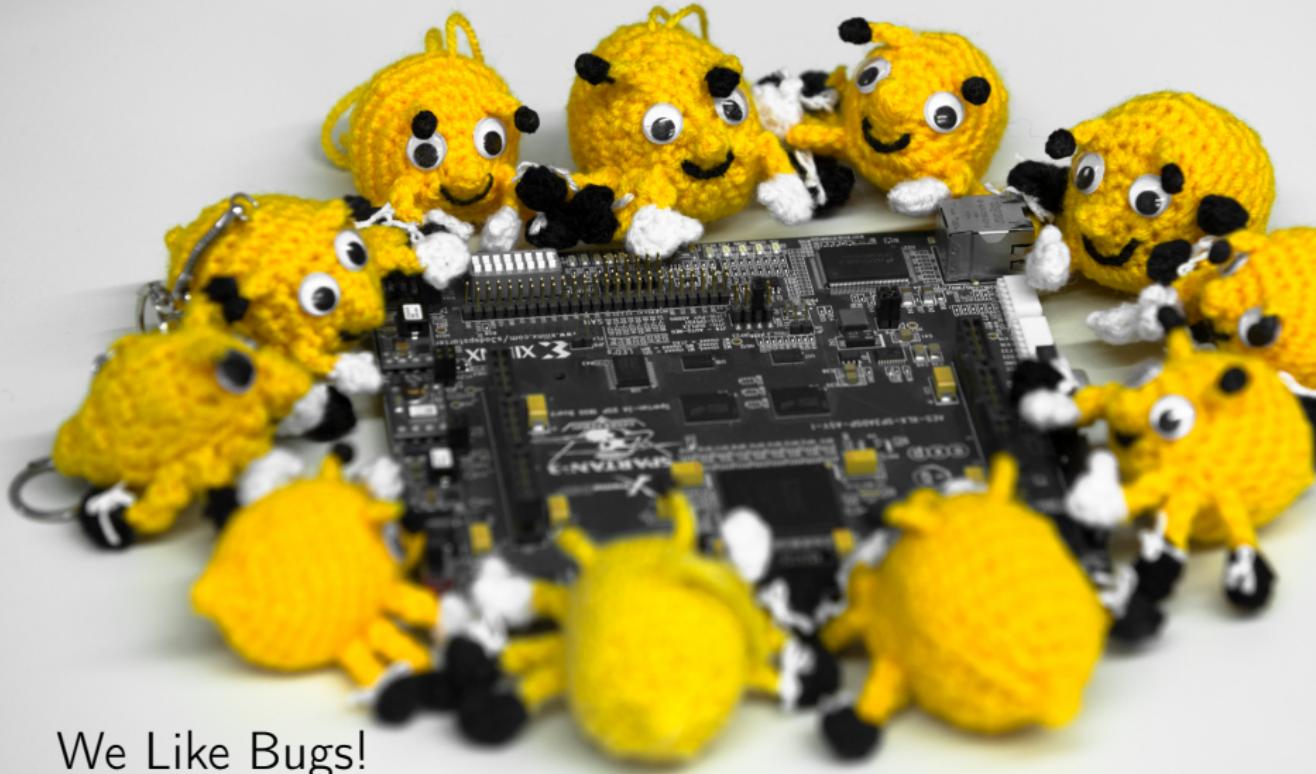
	Team	Faust2048	Goethe Gallery	Bashing	Faust Quiz	notekeeping	Wichteln	Sell your soul	Total offense	Total defense	Total SLA	Total
1.	 Bushwhackers ID: 85	↳ 2832 ↳ 155 🕒 690 not checked	↳ 2111 ↳ 152 🕒 536 not checked	↳ 6213 ↳ 157 🕒 1683 not checked	↳ 12274 ↳ 157 🕒 3284 faulty	↳ 3540 ↳ 147 🕒 136 not checked	↳ 0 ↳ 157 🕒 1414 faulty	↳ 34 ↳ 152 🕒 4040 up	27004	1076	11783	39862
2.	 FluxFingers ID: 233	↳ 774 ↳ 135 🕒 800 recovering	↳ 440 ↳ 142 🕒 438 up	↳ 564 ↳ 151 🕒 1126 up	↳ 1561 ↳ 138 🕒 2289 not checked	↳ 713 ↳ 144 🕒 244 faulty	↳ 10019 ↳ 157 🕒 813 faulty	↳ 13742 ↳ 157 🕒 4040 recovering	27813	1024	9752	38588
3.	 HackerDom ID: 60	↳ 257 ↳ 125 🕒 603 not checked	↳ 1613 ↳ 141 🕒 633 up	↳ 2895 ↳ 117 🕒 1217 up	↳ 2490 ↳ 124 🕒 2239 flag not found	↳ 2914 ↳ 142 🕒 149 not checked	↳ 5573 ↳ 148 🕒 2687 recovering	↳ 363 ↳ 157 🕒 4123 recovering	16106	955	11652	28712
4.	 KITCTF ID: 146	↳ 0 ↳ 157 🕒 542 not checked	↳ 723 ↳ 139 🕒 373 not checked	↳ 121 ↳ 98 🕒 1010 recovering	↳ 0 ↳ 100 🕒 2836 flag not found	↳ 3801 ↳ 138 🕒 448 faulty	↳ 0 ↳ 132 🕒 1591 not checked	↳ 0 ↳ 141 🕒 4040 recovering	4645	905	10841	16391
5.	backzogtum ID: 45	↳ 0 ↳ 117 🕒 788 recovering	↳ 464 ↳ 141 🕒 455 up	↳ 1405 ↳ 122 🕒 1735 up	↳ 0 ↳ 96 🕒 3135 flag not found	↳ 380 ↳ 134 🕒 1059 up	↳ 0 ↳ 148 🕒 1945 faulty	↳ 0 ↳ 148 🕒 4081 recovering	2249	906	13197	16353
6.	 LosFuzzys ID: 17	↳ 438 ↳ 128 🕒 579 not checked	↳ 143 ↳ 139 🕒 520 up	↳ 117 ↳ 153 🕒 1294 up	↳ 0 ↳ 97 🕒 2538 flag not found	↳ 2122 ↳ 137 🕒 475 faulty	↳ 32 ↳ 153 🕒 3006 up	↳ 117 ↳ 127 🕒 3875 recovering	2969	934	12287	16190

Figure: FAUST CTF 2015 scoreboard

# Why CTFs?

- It's fun!
- Gain experience in Information Security
- Challenges modeled after real-world problems
  - Sometimes real-world bugs modeled after CTF bugs?

# LosFuzzys: A CTF Team in Graz



We Like Bugs!

# LosFuzzys: A CTF Team in Graz

- A group of people interested in information security
- Primarily CS/SW/ICE Students from TUGraz
  - We welcome anyone interested and motivated
  - so maybe you :)
- Current ctftime.org ranking (2016-11-23)
  - Global place 49 (of about 9000 teams)
  - 2nd place in Austria
- Regular Meet-ups/Trainings: Wednesday 18:15 @ IAIK
  - Next training session: 7. December
  - Announced on mailing list and calendar



# Where to start?

- Talk to us! :-)
  - During Bachelor @ IAIK on 2. December
  - During our training sessions Wednesdays 18:15 @ IAIK
  
- <https://hack.more.systems>
- Mail: we@hack.more.systems
- Twitter: @LosFuzzys
- Subscribe to our mailing list

