

17 teams this year! As of Noon

Team

Three Blind Mice

FDG

3d printed badge clone

LMB

Poultrygeist

MONKEY TACOS!

Team Bivalve

Raccoon Dealers

Cyber Wombats

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	PettYeti's	
	anony-mouse	00000

Stage Prizes:

4:

5:

Three Blind Mice
Three Blind Mice
Team FDG

Stage One: CYPHER Two-sided posters with stretched letters

- 4 posters designed as Shmoocon-inspired Magic cards
 - Don't yell "Bow to my firewall!" at them!
- Backs have a hidden message, just tilt down or resize



Stage Two: EXPLOIT User Agent-Specific Website Rendering

- Visit contest website, /CARD
- Use Links and Vivaldi
 - Look at page source, search for "clue"
 - Vivaldi presents code, Links has clue



"A Browser for our Friends"



Stage Three: MORPH Data exfil via sweet Icecast techno streams

- A twist on previous our 2012 technique, this time streaming from AWS host
- Upper frequencies hold clue
- Song name is the code (from Soft and Furious)



There's a fifth sard, held in the digital plane...

Stage Four: ECHO PingFS network-hosted JPG file



- Using Erik Ekman's "true cloud storage" called PingFS
 - Inspired by Steve Gibson's report on Security Now podcast
- "Storing" a JPG with a message hidden using steghide



There's newfound magic in the air; it's blindingly obvious!

Was hosted on *shmoocon* wifi, shifted to PCAP :(

Stage Five: HEXPROOF Data exfil via minor ZWave color changes

- Replaced hotel lamp bulb with RGBW LED blub
- Hosted python-openzwave on Odroid that periodically sent ZWave Color commands
 - ASCII string encoded in one color channel, byte per message
- RITSEC Blogpost steps you through all of it using cheap SDR to extract packets into Wireshark



Code words are all Magic keyword abilities CYPHER EXPLOT MORPH ECHO HEXPROOF

Very Special Thanks

PRAAXIS ENGINEERING ACSRA Company

for their generous sponsorship, covering our expenses, materials, shirts and prize!

Special Thanks

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- NicBow Design Works, for our cool contest graphics
- No Starch Press, for coordinating gift certificates
- Not Just Signs, for super last-minute sign-printing
- FOSS Projects, like OpenZWave, PingFS, Coagula Lite, and Git Projects (LiptonB's wireshark, rtl-zwave)
- TOOOL, for the confusion in using part of their logo
- Our Wives, for tolerating our annual hiatus
- Bruce & Heidi, for tolerating our endless shenanigan

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Presentation will be available on the contest website soon.