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Defcon 18 Social

Engineer CTF



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Agenda:

- What is Social Engineering?
- Who is Social-Engineer.org?
- Goal of the social engineering CTF?
- Statistics and analysis of data
- Questions & Answer



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What is Social Engineering?

Social engineering is the act of manipulating a person to accomplish goals that *may* or *may not* be in the “target's” best interest.



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Who is Social-Engineer.Org?

- Created the world's first framework for Social Engineering
- Social Engineering based Podcast with over 16,000 subscribers
- Social Engineering based Newsletter with over 3000 subscribers
- Over 40 years of collective industry experience



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SE CTF Goals:

To Prove or Disprove:

- That social engineering is a valid attack vector
- That even unskilled people can obtain information
- If security awareness programs are effective
- That even short calls from non-professional social engineers can lead to devastating information leaks



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Statistics & Analysis of Data

We broke the statistics out into groups:

- Executive Overview
- Dossiers
- Targeted Employees
- Pretexts Used
- Information Returned



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Stats & Analysis – Dossiers

Primary Information Sources:

- Google
- LinkedIn
- FaceBook

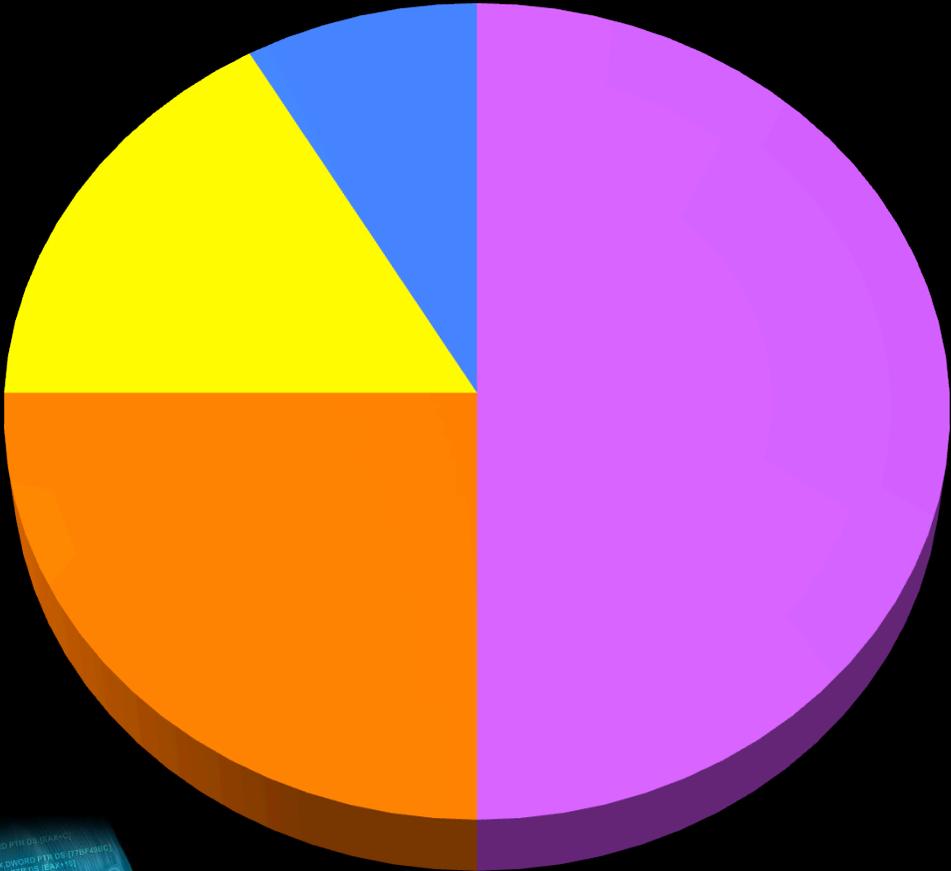
Interesting Approaches

- Google Street View
- Google “Dorks”



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Stats & Analysis - Targeted Employees



- Call Center
- Specific Employee
- Various
- Other



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Stats & Analysis - Targeted Employees

“Proper mitigation of this is quite an undertaking for most companies as it requires proper and effective awareness training for all employees...”



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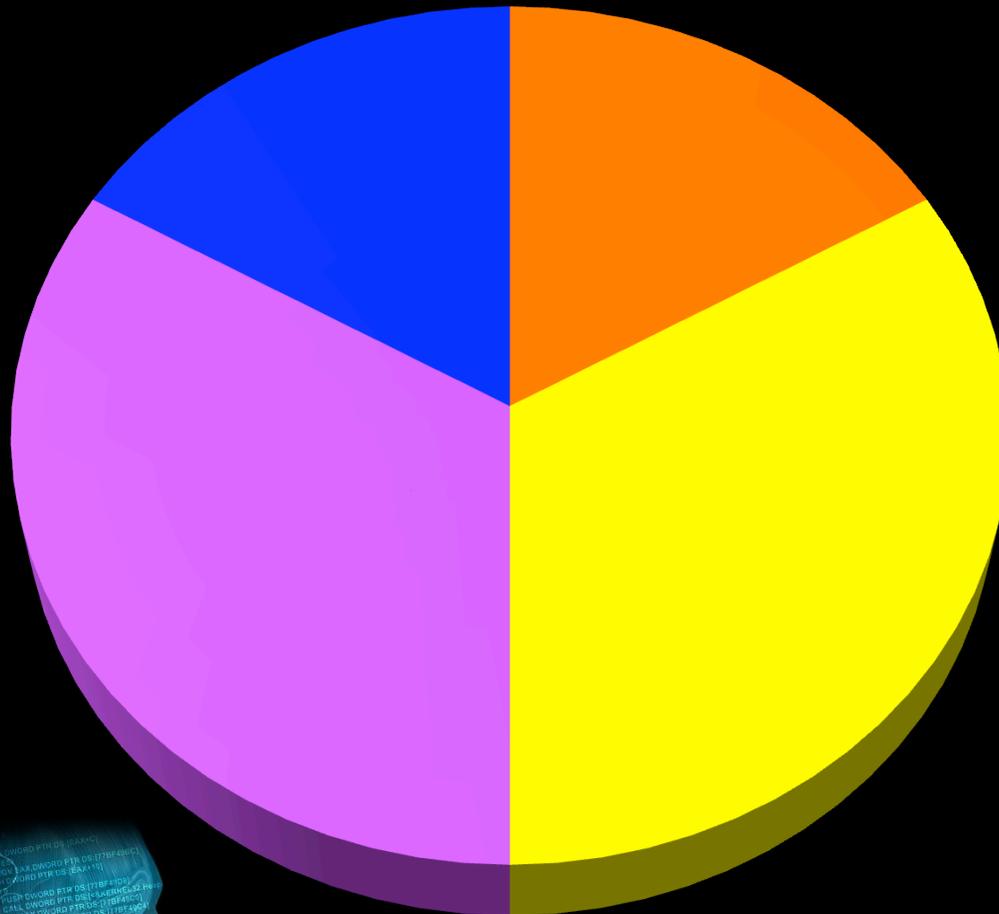
Stats & Analysis – Pretexts Used

“A pretext works as the story that is being told as part of the social engineering attempt. It provides the justification for the questions being asked....”



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Stats & Analysis – Pretexts Used

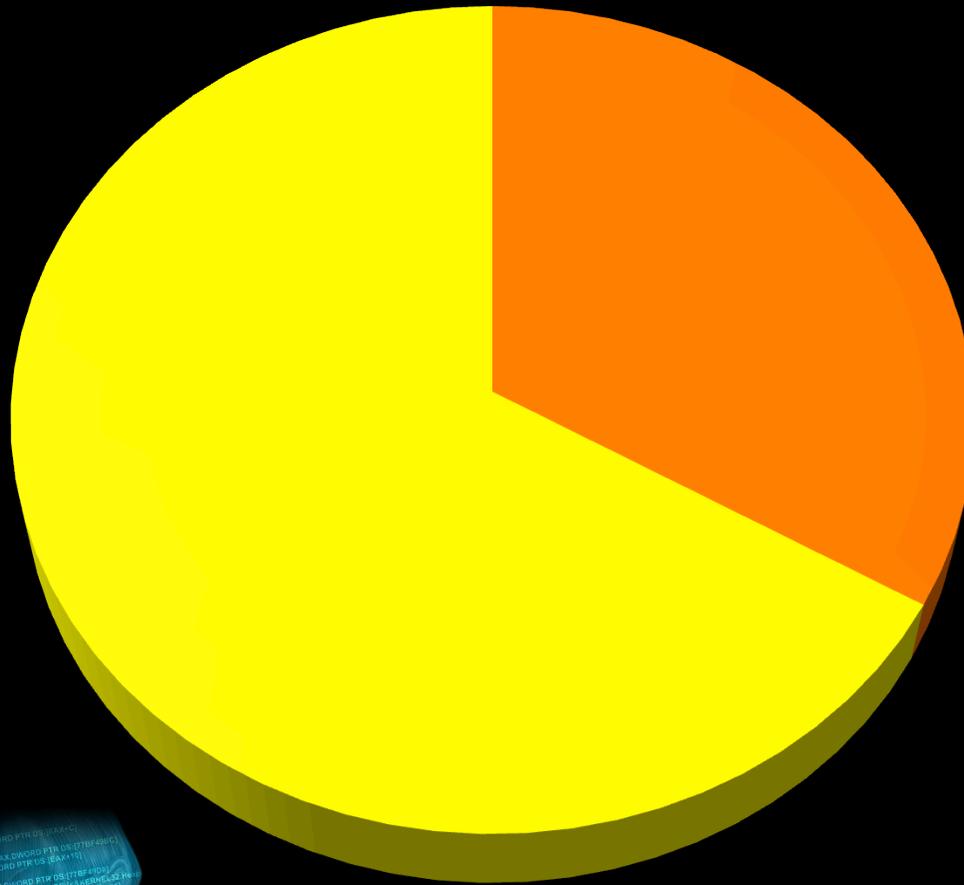


- Customers
- Internal Employee
- Surveys
- Other



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Stats & Analysis – Employee Resistance



- Some Resistance
- No Resistance



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Stats & Analysis – Employee Resistance

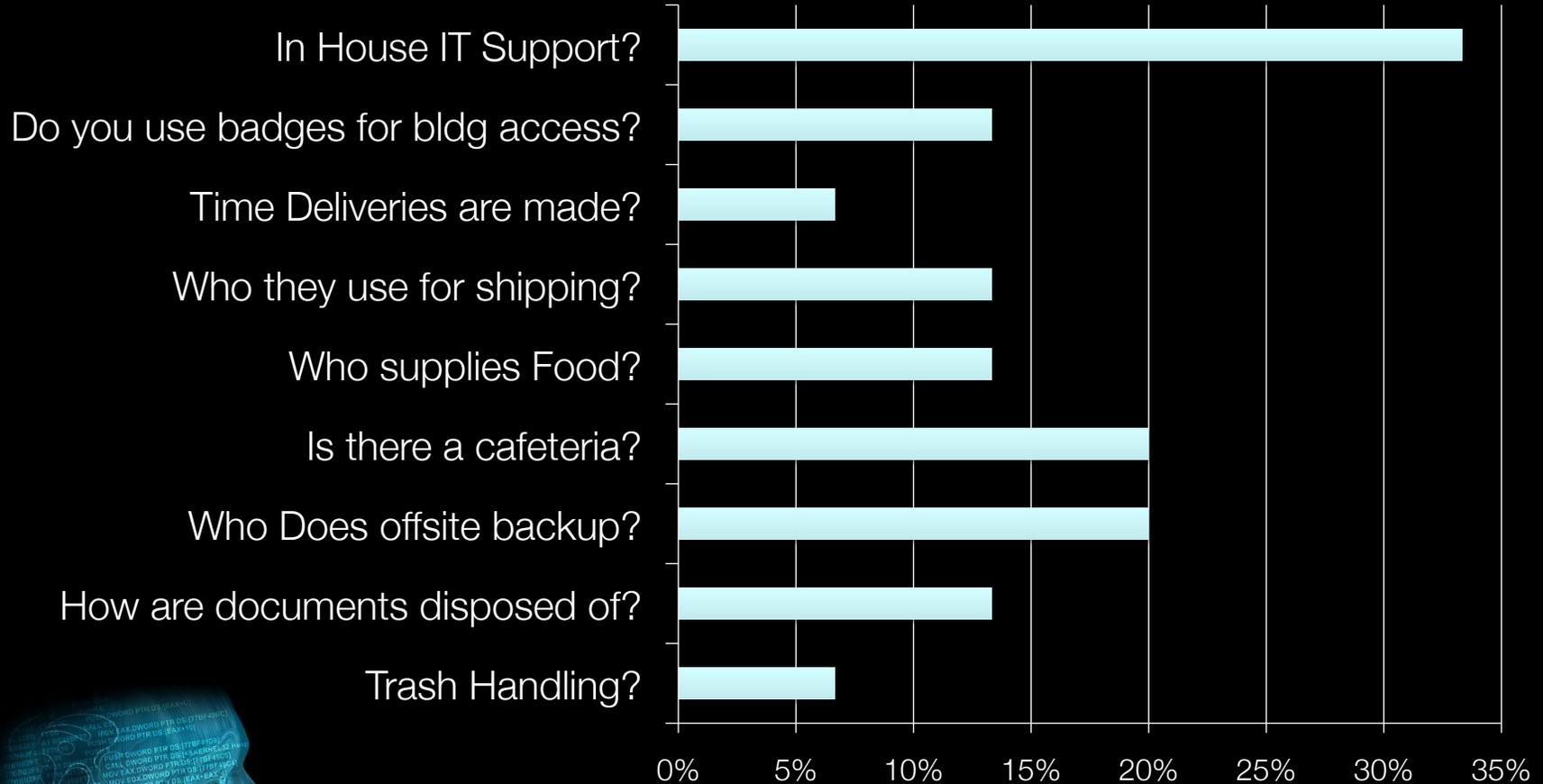
“Even when some degree of resistance would be encountered, bypassing this was in every case simply a matter of calling back and reaching a different employee.”



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Stats & Analysis – Information Returned

Company Logistics



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Stats & Analysis – Information Returned

Company Logistics

“When information is perceived to have no value, no effort will be placed into its protection.”



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Stats & Analysis – Information Returned

Employee Information

“In the cases where this information was obtained, it was directly related to rapport that was established toward the beginning of the calls. Once this bond was established, contestants would inquire about this information as part of small talk.”



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Stats & Analysis – Information Returned

Other Observations

- Being busy is a level of protection
- Small talk facilitated many flag captures
- Number called could determine if the call was trusted or not



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SE CTF Goals:

To Prove or Disprove:

- That social engineering is a valid attack vector **Proven**
- That even unskilled people can obtain information **Proven**
- Security awareness programs are NOT effective **Proven**
- That even short calls from non-professional social engineers can lead to devastating information leaks **Proven**



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Q&A



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