

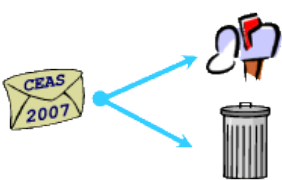
# CEAS 2007

## Live Spam Challenge

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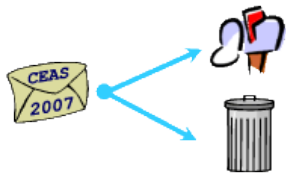
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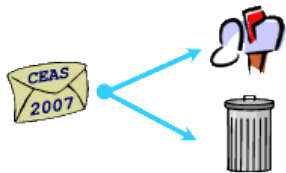
## Overview

- Anti-Spam filtering bake-off at CEAS 2007
- 24 hour, Live, realistic data stream
- Full internet access
- Humans okay



## Live Spam and Ham Feed

- Real-time, simultaneous message delivery
  - Targeting less than 1 minute delay.
- Full, original envelope information.
- Guaranteed accuracy of first received line.
- Simulated domain with N accounts
  - Probably will have 50 accounts or less.
  - List of valid accounts will not be provided.
- Promising 1K spam and 1K ham
  - Hope to have much more.
- Data stream will be made available after conference
  - TREC-style licensing.



## Almost Anything Goes!

### ■ Configurations

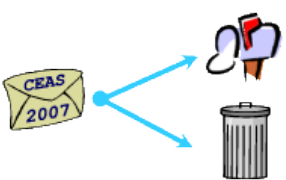
- ☐ Anti-Spam Services
- ☐ Network Appliances
- ☐ SMTP, Milter, Procmal
- ☐ IMAP4, POP3
- ☐ Web E-mail
- ☐ TREC toolkit

### ■ Technologies

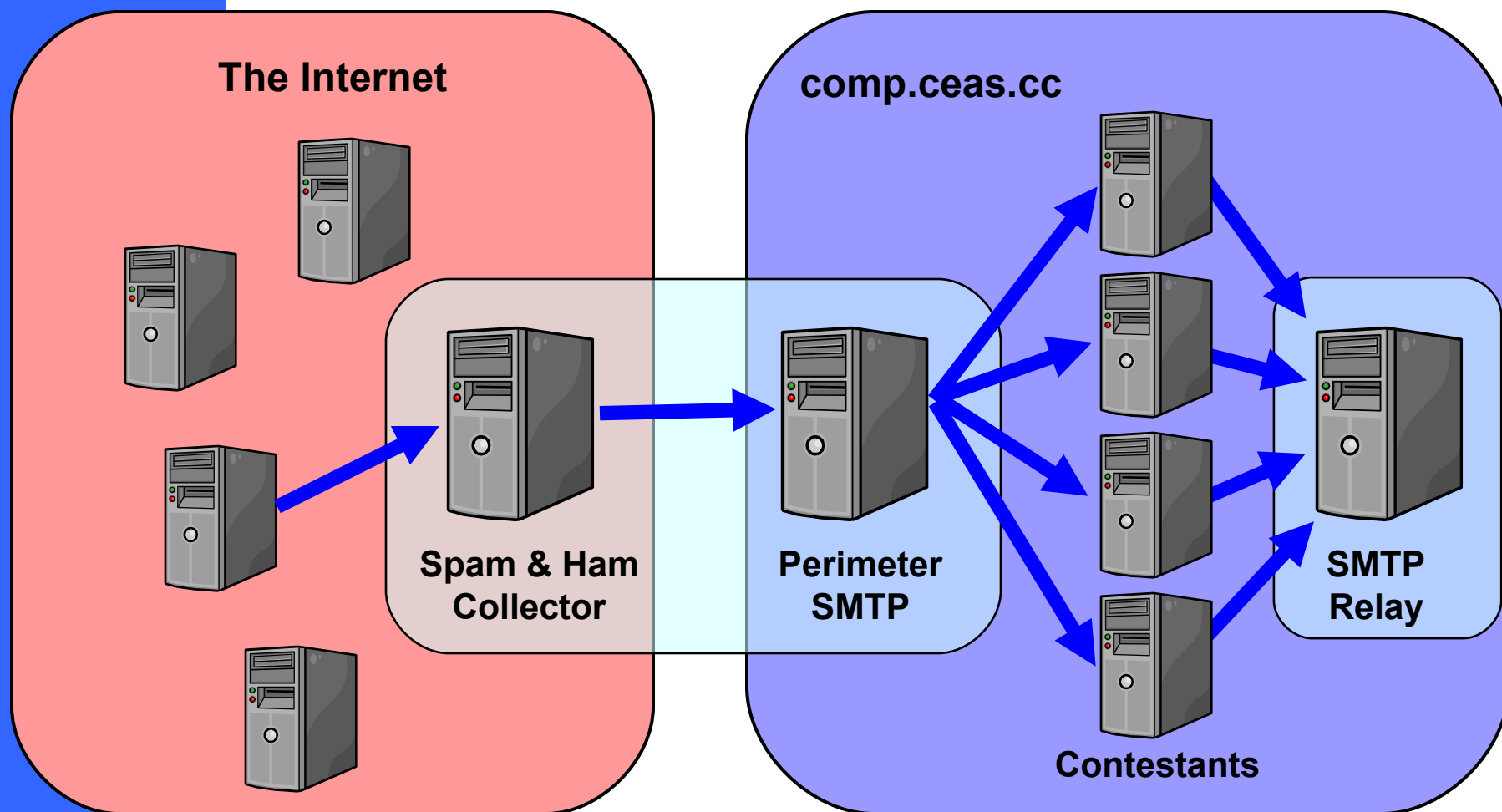
- ☐ SPF, DKIM
- ☐ BL, WL, URIBL
- ☐ DCC, Pyzor, Razor
- ☐ NB, SVM, Regression
- ☐ Humans, Monkeys

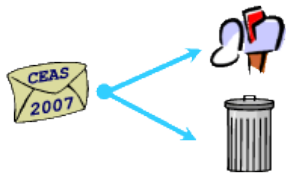
### ■ **Not Supported**

- ☐ Greylisting
- ☐ Challenge-response



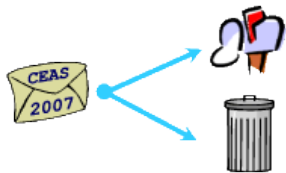
# Competition Model





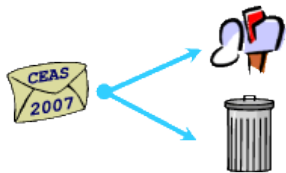
# Judgments and Evaluation

- Simulated user voting
  - ☐ Labels provided for randomly selected messages.
  - ☐ Labels provided after random delay.
  - ☐ Labels delivered simultaneously to all filters.
  - ☐ Enough labeled messages for learning.
- Evaluation
  - ☐ Winner based on ham-biased lam%.
  - ☐ ROC curves and other statistics will be collected.
- Prizes
  - ☐ Golden Ham Award?
  - ☐ Sponsorship opportunity?



## Participating

- Filters can be located anywhere
  - ☐ Competition server on public internet.
  - ☐ Designed to work behind firewalls.
  - ☐ Optionally bring your own hardware to CEAS.
- Testing
  - ☐ Toolkit available May 1<sup>st</sup>, 2007
  - ☐ Test stream available July 1<sup>st</sup>, 2007.
  - ☐ Test stream will go live at start of competition.
- More information
  - ☐ Sign up for mailing list at <http://www.ceas.cc/livespam>.



# Still being finalized...

- Competitive Categories
  - ☐ Full verse Partial Feedback
  - ☐ Human verse Machine.
  - ☐ Image spam
- Pre-training phase will full feedback
- Perimeter filters via IP spoofing
- Simulated spammer response to greylisting.