Internet Quarantine: Moore, Shannon, Voelker, Savage [Moore03a] CSci551: Computer Networks SP2006 Thursday Section John Heidemann

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Context

- DoS: external attacks on a host
- what about *worms*?
 - automated programs that exploit known vulnerabilities
- (compare to viruses:)

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 programs that require users to run them, then the exploit the user's account

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Key ideas
what's needed to stop worm spread
alternatives:

prevention, treatment, containtment

encode defenses
blacklists

find who's infected
cut that host off
(like IDS anomoly detection)
content filtering
find a signature for the worm
shut that signature off everywhere
(like IDS signature-based detection)

thow do they compare?

















