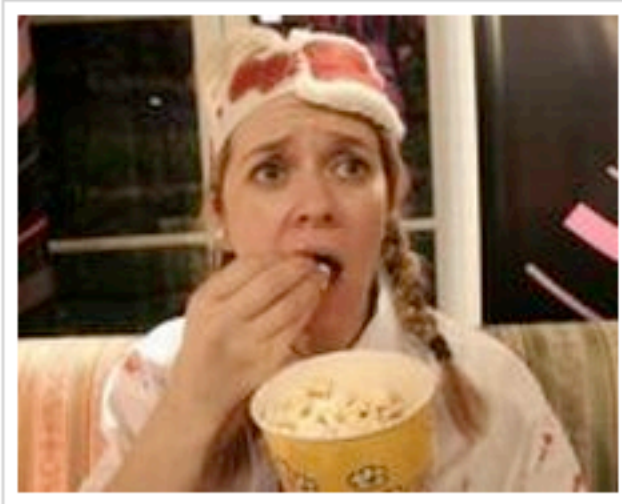




| Server | Operator | Locations | IP Addresses | AS Number |
|--------|----------------|---|---|-----------|
| A | VeriSign, Inc. | Sites: 4 Global: 4 Local: 0 Los Angeles, CA, US; New York, NY, US *; Palo Alto, CA, US *; Ashburn, VA, US * | IPv4: 198.41.0.4 IPv6: 2001:503:BA3E::2:30 | 19836 |

AT&T Censors Blocks 4chan



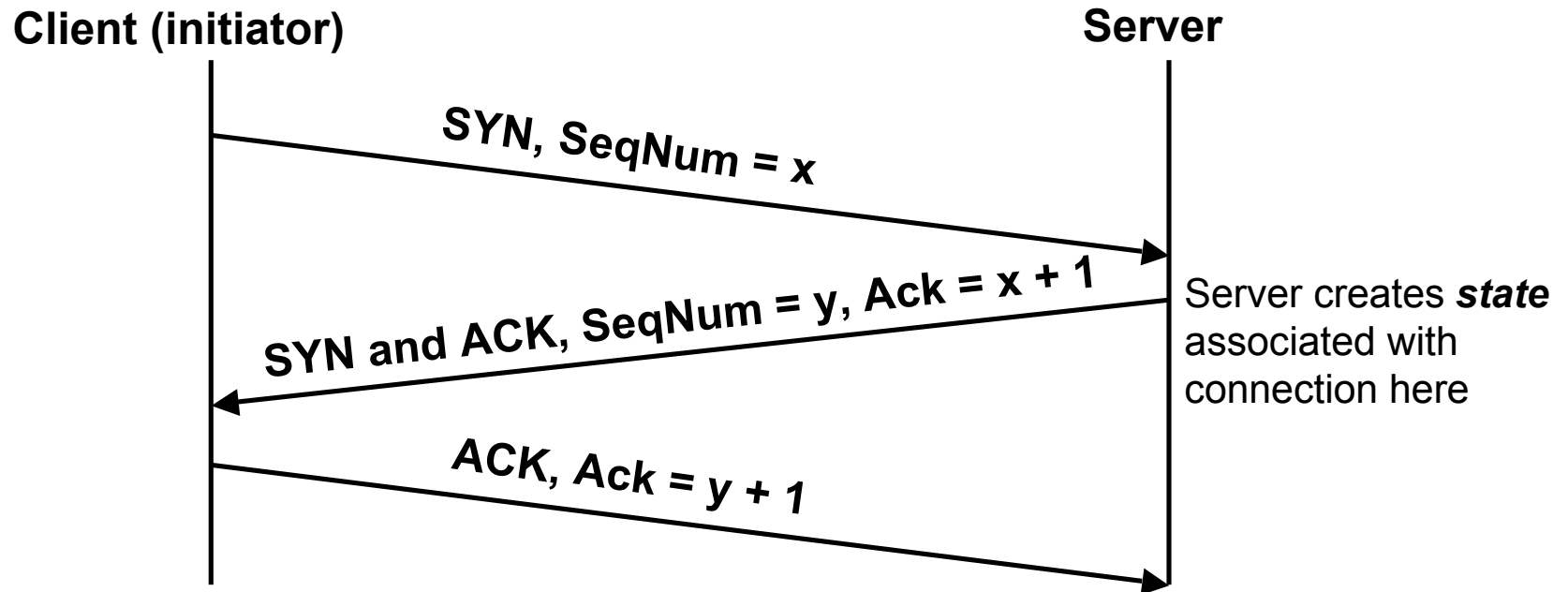
Did you try accessing 4chan's /b/ boards this weekend? And couldn't? Well, we tried. And couldn't. That's because AT&T "blocked user access to portions of 4chan," a move that could result in sheer chaos and certain doom for the telecommunications giant. **Seriously, this could be the single dumbest move by AT&T, a company noted for implementing none-too-swift ideas.** 4chan, for those of you who don't know, is an image board. Sort of. It's also a place where some of the world's most evil and amusing online trolls converge. It's where people and companies are eviscerated. Also, its /b/ board, for lack of a better term, is the sphincter of the interwebs.

Just why AT&T decided to block portions of 4chan is anyone's guess at this point; 4chan's founder, Moot, claimed that they are, in fact, censoring parts of the site, namely /b/. Again, this will not end well for AT&T. As Valleywag's Cajun Boy puts it, "AT&T didn't just open a can worms, they dove headfirst into a den of vipers, and this will be very interesting to watch play out." Grab your popcorn, kids.

Transport-Level Denial-of-Service

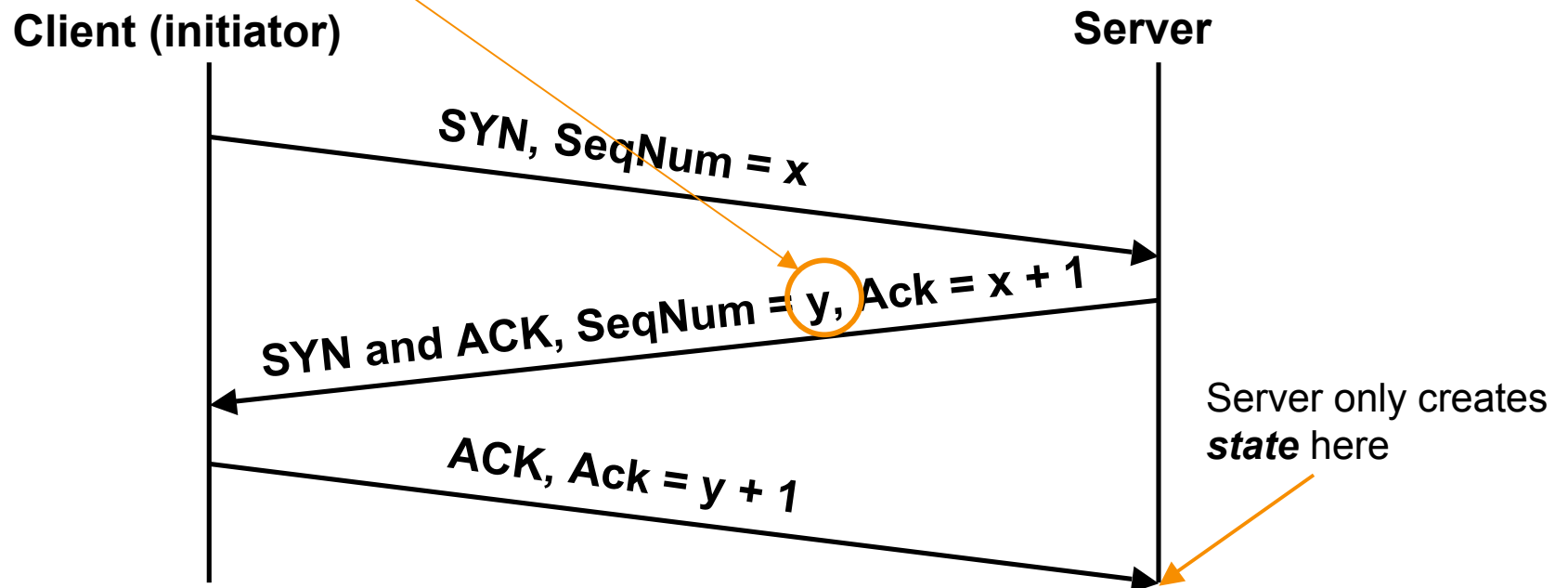
- Recall TCP's 3-way connection establishment handshake
 - Goal: agree on initial sequence numbers
 - Starting sequence numbers are ~~based on clock~~ **random**

to prevent attacker from guessing them to **establish** connections using spoofed source addresses



Flooding Defense: *SYN Cookies*

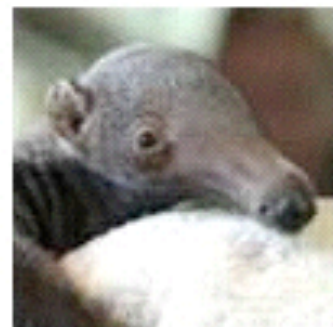
- Server: when SYN arrives, **encode** connection state entirely within SYN-ACK's sequence # y
- $y = \text{SHA-1}(\text{client_addr}, \text{client_port}, \text{ISN } x, \text{server_secret})$
- When ACK of SYN-ACK arrives, server only creates state **if** seq # y in it agrees with hash



SYN Cookies: Discussion

- Illustrates general strategy: rather than *holding* state, *encode* it so that it is returned when needed
- For SYN cookies, attacker must complete 3-way handshake in order to burden the server
 - Can't use spoofed source addresses
- Note #1: strategy requires that you have enough bits to encode all the state
 - This is just barely the case for SYN cookies
 - o 24 bit hash + 5-bit timestamp + 3 bits to remember MSS
 - o Can't remember any TCP options ...
- Note #2: if it's expensive to generate *or check* the cookie, then it's not a win

Click 3 pictures of kittens to submit



The KittenAuth system. Source: ThePCSpy.com.



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crack captcha php

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Web Show options... Results 1 - 10 of about 17,700 for "crack captcha". (0.17 seconds)

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Using the advertisement in blogs, social networks, etc significantly increases the efficiency of the business. Many services use pictures called CAPTCHAs in order to prevent automated use of these services.

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Follow these steps:

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- Your request will be processed ASAP.

You pay for correctly recognized CAPTCHAs only
The price is \$2 for 1000 CAPTCHAs. We accept payments from \$10.

If you use a third-party software the price could be different, contact the software vendor for more information.

Hi! I want to bypass captcha from my bots. Bots have different IPs. Is it possible to use your service from many IPs?
We have no restrictions about IP: with DeCaptcher you can bypass CAPTCHA from as many IPs as you need.

Hi. I need to crack captcha. Do you provide a captcha decoders?
DeCaptcher CAPTCHA solving is processed by humans. So the accuracy is much better than an automated captcha solver ones

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