Cowstorm

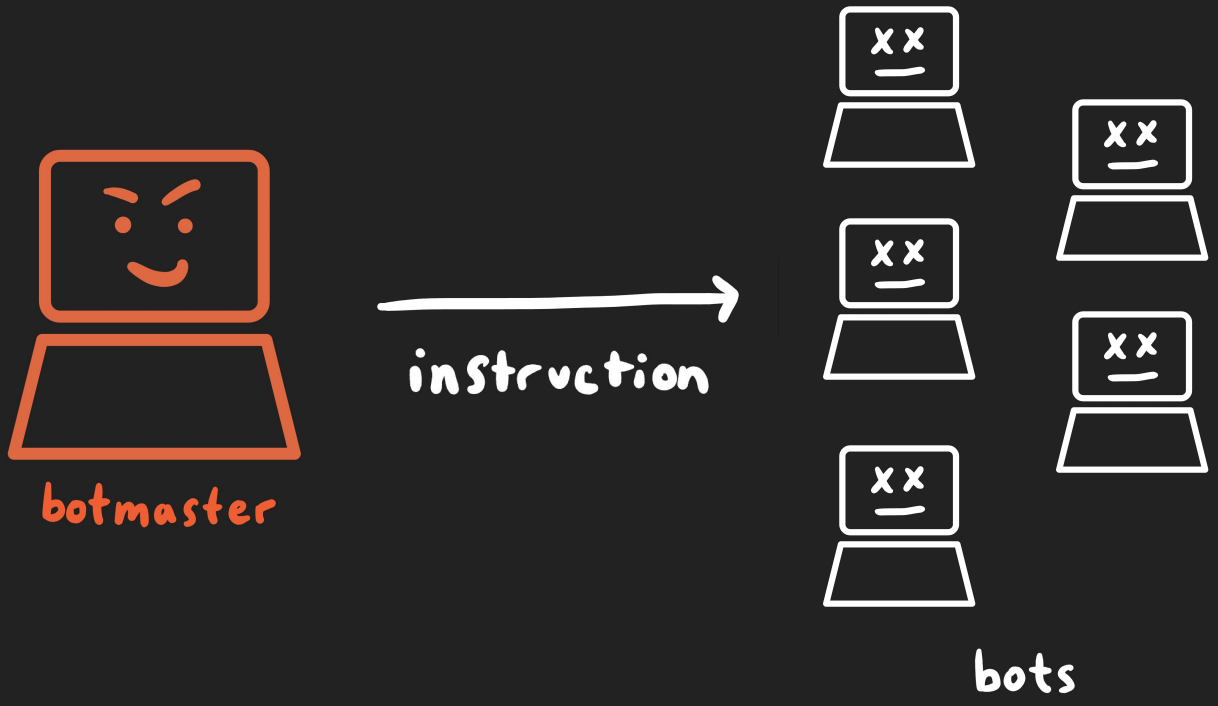
botnet final project

S

goal: build a computer botnet to simulate DDOS-like load testing

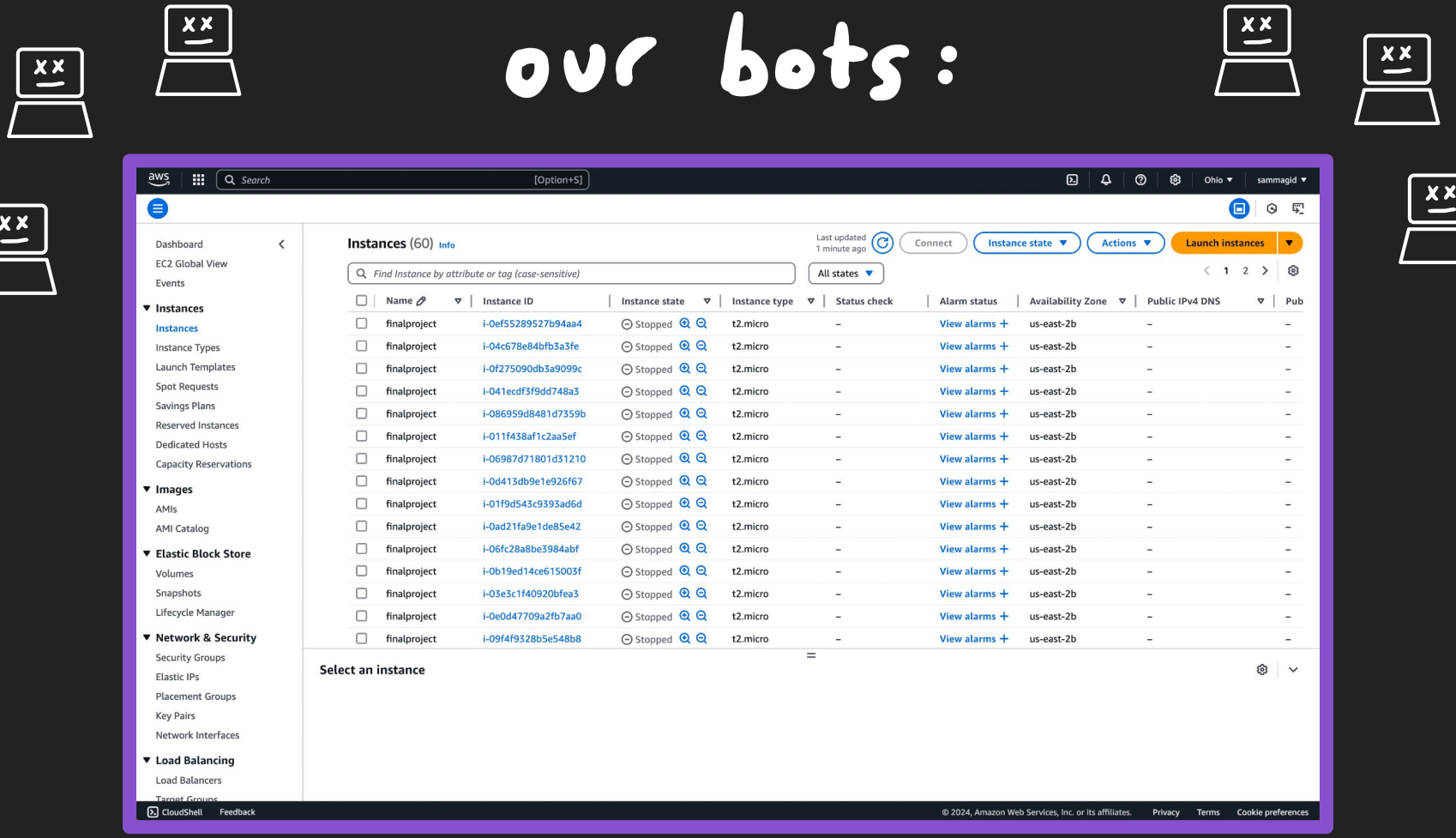
goal:

what is a botnet?



what is a botnet?

our bots:


aws
Search
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Ohio
sammagid
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
Load Balancing
Load Balancers
Instances (60) Info
Last updated 1 minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
1 2
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
finalproject i-0ef55289527b94aa4 Stopped t2.micro – View alarms + us-east-2b –
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Select an instance
CloudShell
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common DDOS attacks

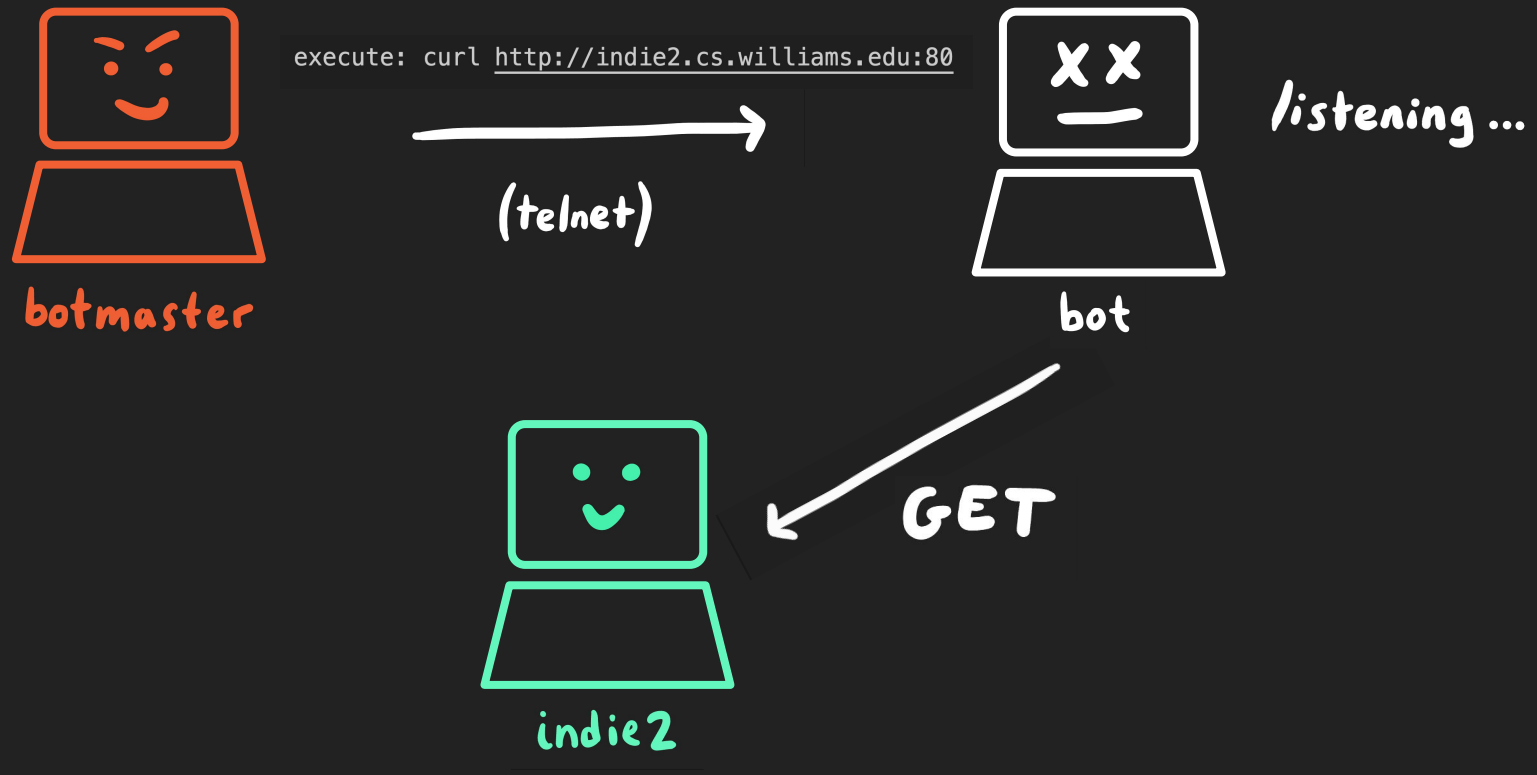
7	Application Layer
6	Presentation Layer
5	Session Layer
4	Transport Layer
3	Network Layer
2	Data Link Layer
1	Physical Layer

→ HTTP flood

→ SYN flood

→ Volumetric attacks

implementation 1

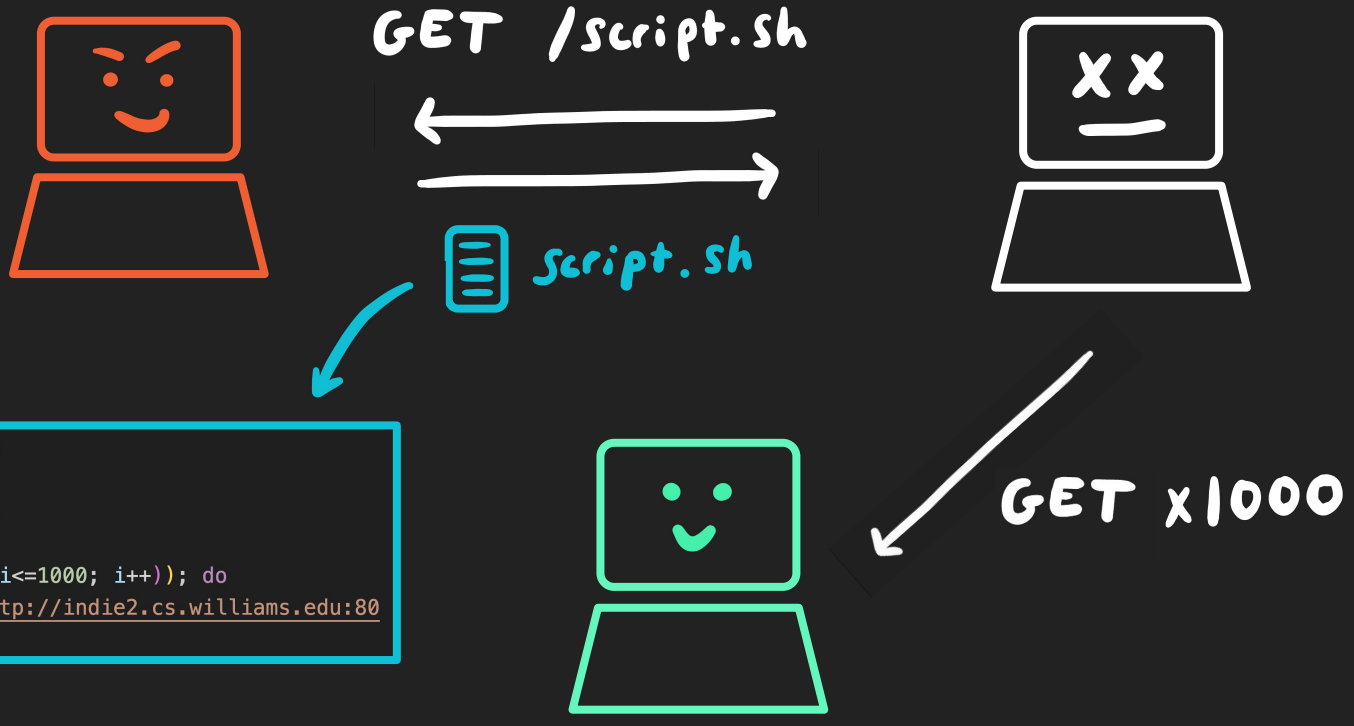


implementation 1

implementation 2

S

implementation 2



next steps

S
- modify the server
  - better diagnostics
  - more expensive requests

K
- different requests
  - more bots
  - slow POST attack

thanks!