Bruce Beaulieu

Matthew Gibbons

Noah Holt

Riley Daughton

Privacy and Censorship

Project Plan: Discord Wyrm

To begin, yes, we know that the technical bug is called a worm, but dragons are cooler than bugs so we will refer to it as wyrm instead (see work cited for more info).

Jokes aside.

Our intent is to create a wyrm for discord. The wyrm will be able to discover through user accounts different discord servers to "infect" creating a larger pool for data collection on users in the server. Data collected will include user events from the socket client that entail chat logs, status changes, games played, time reports, connected accounts, images. There will also be API requests sent out to gather other information on the accounts. This will allow a query of the information gathered to find more information about an account using a UI.

Necessary pieces will be building our wyrm, building bot accounts and servers to test on, setting a database to collect into, a way to access and sort the data. Once we accomplish these and can look at the data we will see how to present it and the dangers that it reveals. Also in the presentation we will provide a list of other cloud based apps that a similar wyrm could take advantage of.

Tasks:

Create a project for managing the worm through discord. This entails the actual workings and logic of data harvesting and worming.

Creating a backend for storage and usage in the front end. Will contain the database and API for frontend to connect with

Creating a frontend that interfaces with a discord bot or a full fledged web UI to search and use the application.

Works Cited

Dragons

Dragons, Contributors to. "WYRM." *Dragons*, Fandom, Inc., dragons.fandom.com/wiki/Wyrm.

    Accessed 31 Jan. 2024.

Helpful resources

"What Is a Computer Worm? - Crowdstrike." *Crowdstrike.Com*, 22 Jan. 2024,

    www.crowdstrike.com/cybersecurity-101/malware/computer-worm/.