

Medium Q Search



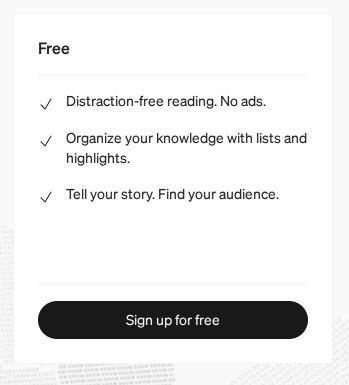




We Put A C2 In Your Notetaking App: OffensiveNotion

A Red Teaming Science Fair Project

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tl;dr: We realized you can use the Notion developer API to build a C2 platform. We wrote a cross-platform agent in Rust. It runs on Linux and Windows. All C2 comms traverse the Notion developer API. It's not a world-class C2 but does have a lot of post-exploitation capabilities. We think it's pretty cool! The code repo is here, the documentation is here. We hope you like it!

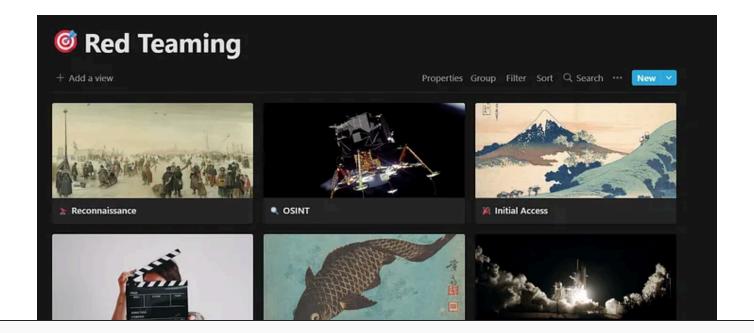
- mttaggart & HuskyHacks, co-developers.

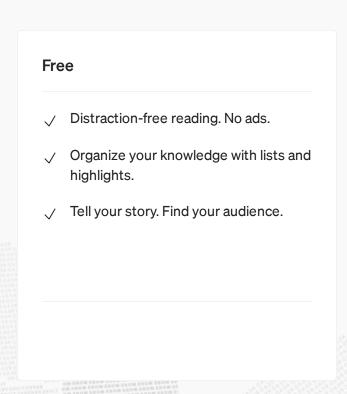
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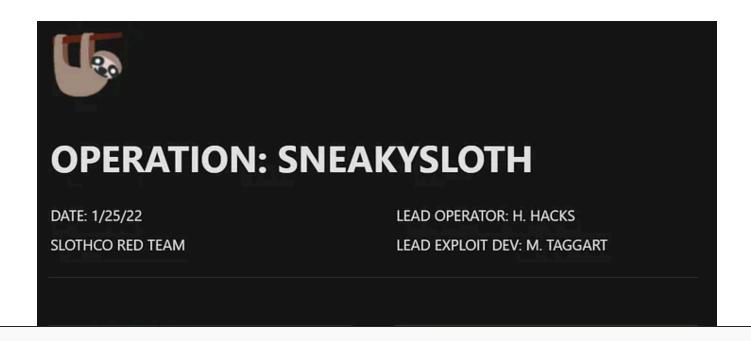
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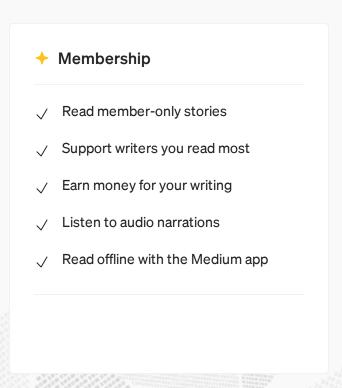






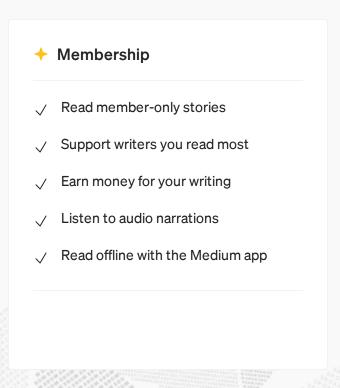
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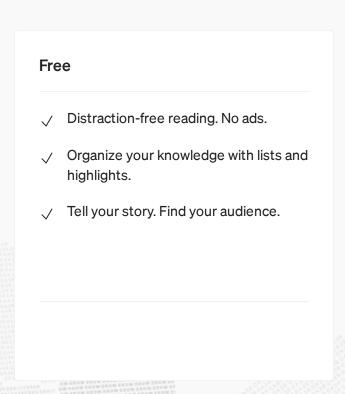
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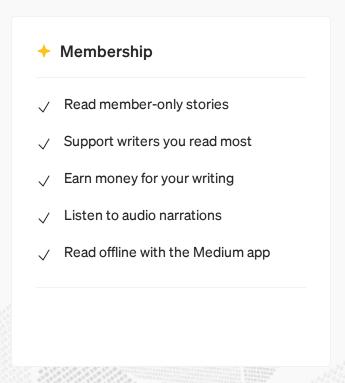


This was the spark of inspiration that caused us to ask:

• If you can programmatically read from and write to a Notion page using the Notion API in a completely legitimate fashion...

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rollercoaster for me. But we were able to have a working proof of concept agent completed within a few weeks and continued to develop post-exploitation features.

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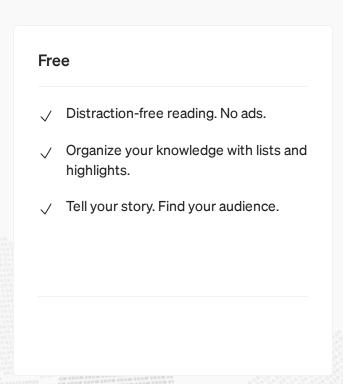


implement, having drawn inspiration from other C2s we love like Cobalt Strike and Empire, we'd try to remind ourselves that we were still in the Stone Age of this project's development. We settled on a core set of features for the evolution into the Iron Age. Someday we'll hit the Space Age and send a rocket ship to Alpha Centauri to achieve the Space Race victory condition.

Design Philosophy

We drew up plans for what MUST, SHOULD, and COULD be implemented in Iron Age. This included the absolute necessities (ability to run commands,

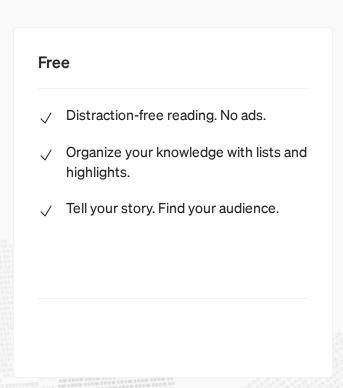
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when my stance was not low enough." I went several rounds with the Rust compiler night after night during this project and I can say that is 100% true. But I have no doubt it has made me into a better developer.

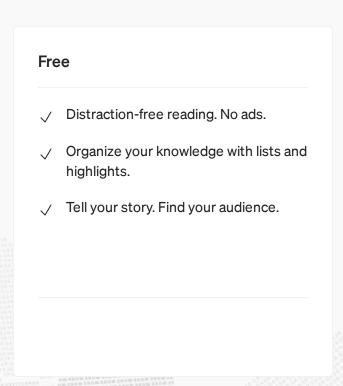
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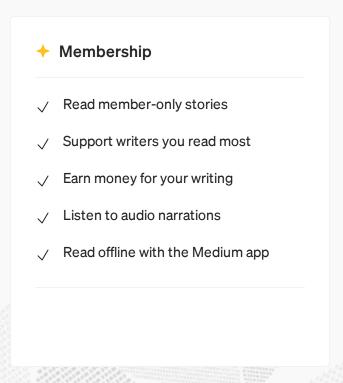




on your target is receiving orders and dispatching results to and from the **legitimate Notion developer API.** You inherit all of the hard work the Notion devs have put in that make this API secure, including encrypted comms and a legitimate TLS certificate.

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In short, this is a LOTS (living off trusted sites) goldmine and makes for incredibly sneaky C2 capacities.

Closing Thoughts

Adam Savage once said "Every Tool's A Hammer." We here at HuskyTaggart Works, LLC*, like to believe "Every Tool's A C2." All it takes is a little creativity and some elbow grease!

Please see the code repository and documentation if you are interested in

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