Name already in use

baderj/
domain_generation_algor...

Some results of my DGA reversing efforts

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A tag already exists with the provided branch name. Many Git commands accept both tag and branch names, so creating this branch may cause unexpected behavior. Are you sure you want to create this branch?

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```python
import argparse


class Rand:

    def __init__(self, seed):

        self.seed = seed

        self.r = self.seed
```

```python
    def rand(self):
        v = (214013 * self.r + 2531011) & 0xFFFFFFFF
        self.r = v
        v = v >> 16
        if v > 0x7FFF:
            v = v - 2 ** 15
        return v


def dga(seed):
    for i in range(128):
        r = Rand(seed ^ i)
        k = r.rand()
        l = 5 + k % 5
        domain = ""
        for c in range(l):
            n = r.rand()
            letter = chr(n % 26 + ord("a"))
            domain += letter
        domain += ".biz"

        yield domain

def seed_parser(s):
    return int(s, 0)

if __name__=="__main__":
    parser = argparse.ArgumentParser()

    """ known seeds are
```

```
    - 0x02484A18

    - 0x00128a0e

    - 0x7178af3f
"""

parser.add_argument("-s", "--seed", default=0x2484A18, type=seed_parser)

args = parser.parse_args()

for domain in dga(args.seed):

    print(domain)
```