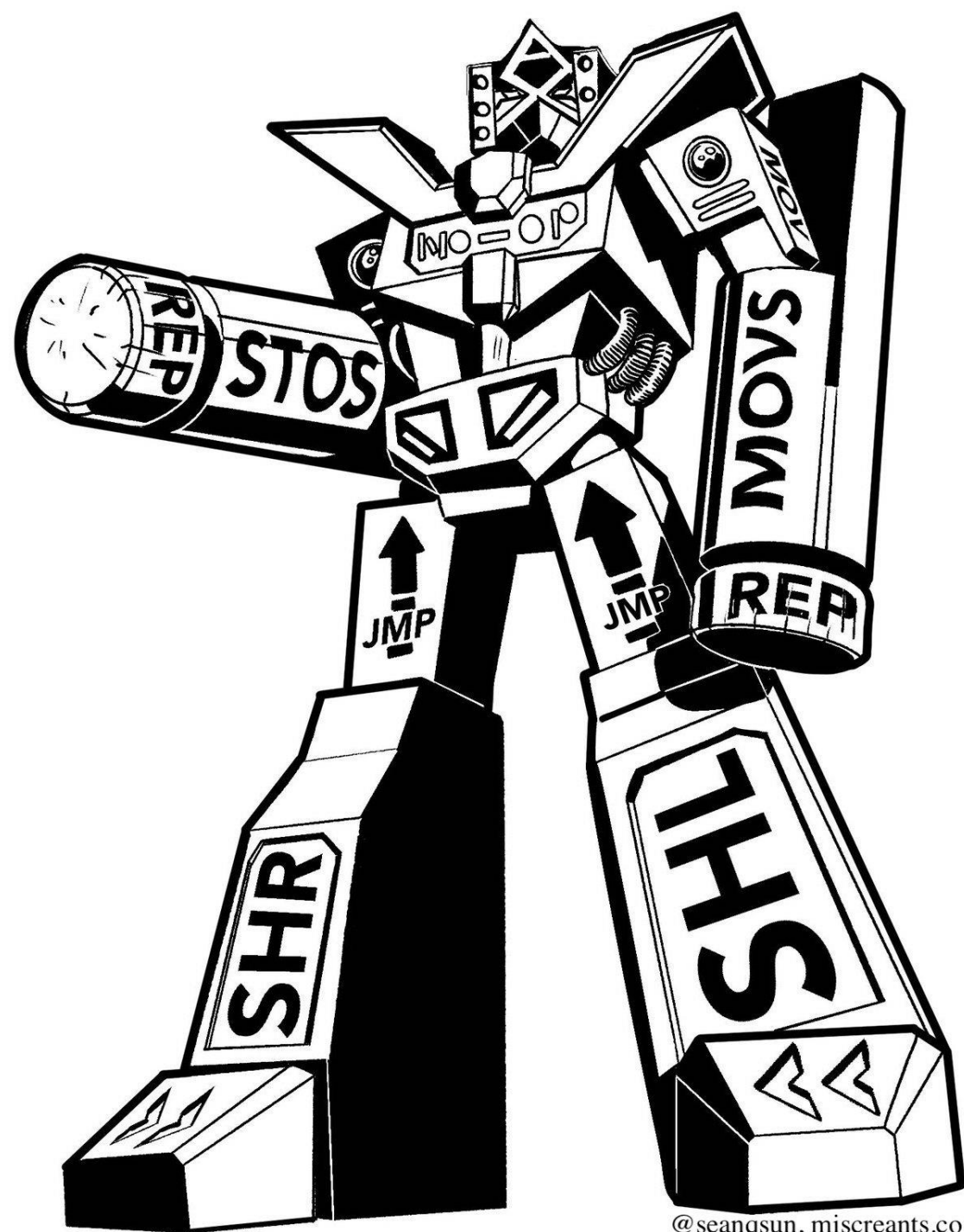


OPEN SECURITY TRAINING

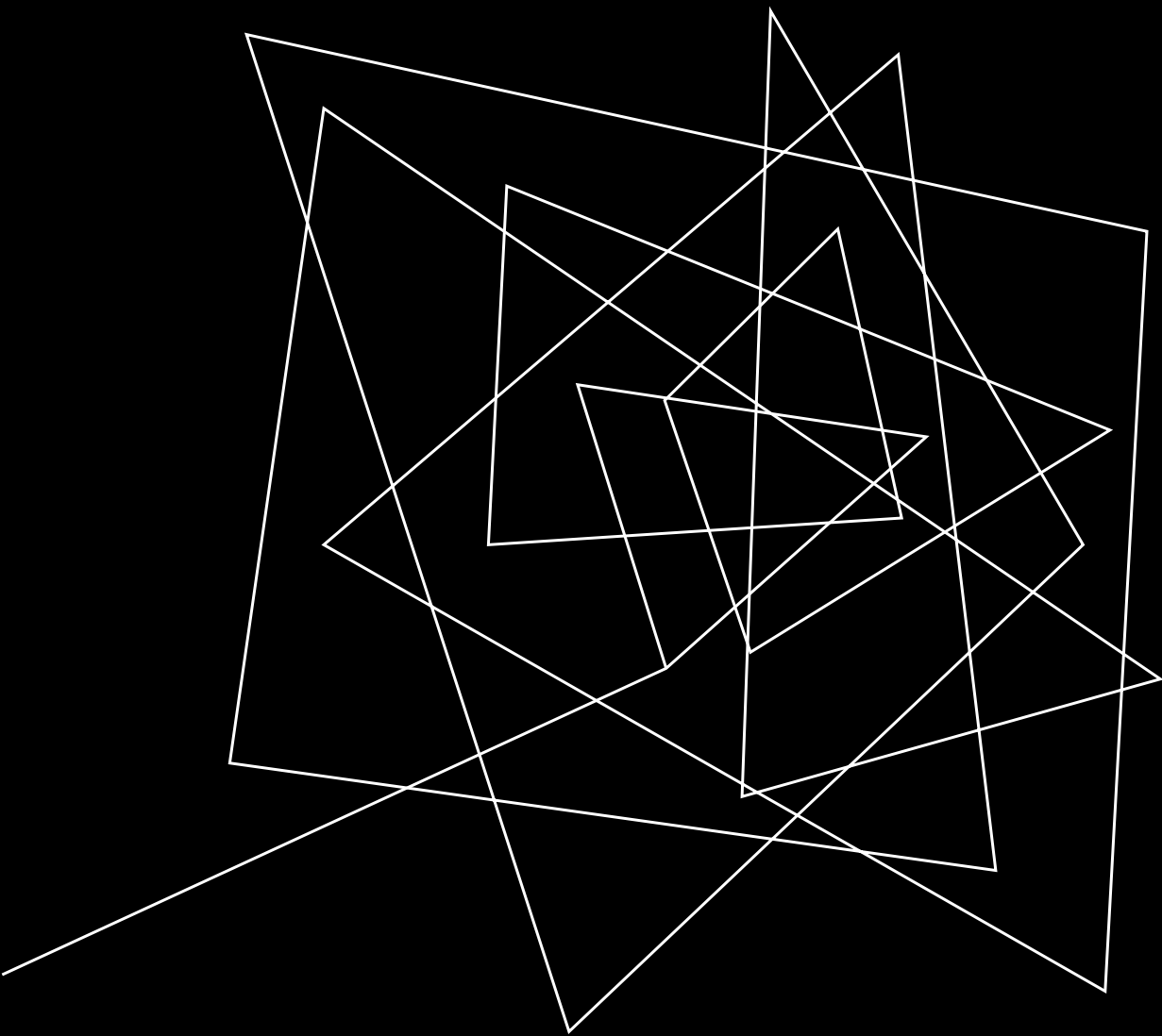
Introduction to the platform



ABOUT

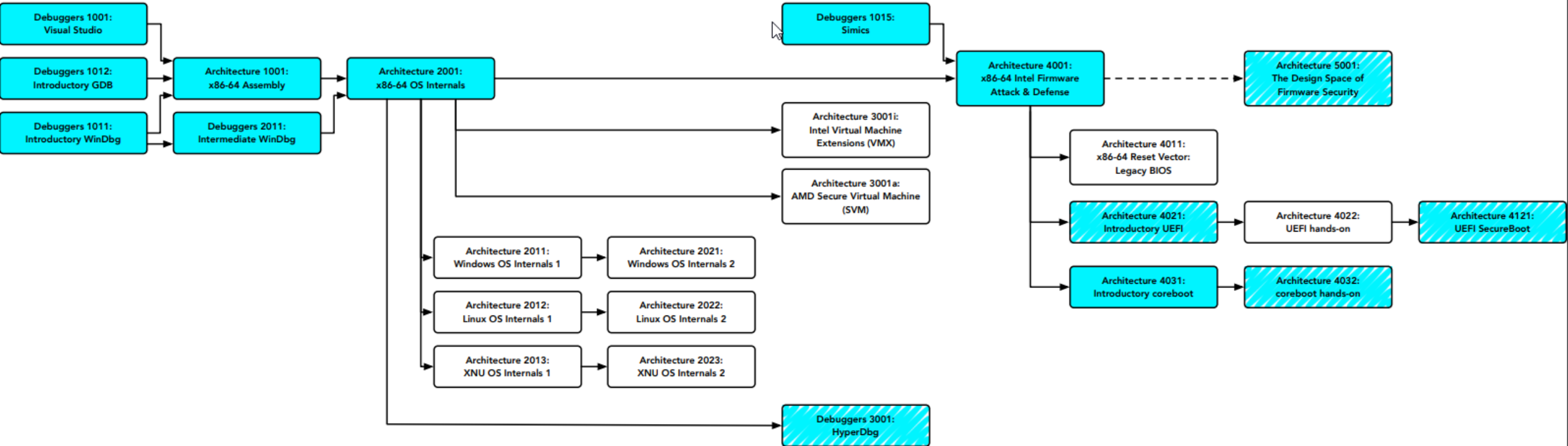
OpenSecurityTraining's mission is to provide the world's deepest and best cybersecurity training. For free.

"[OpenSecurityTraining.info](https://www.opensecuritytraining.info)" was [OST1](#), and it was started by Xeno Kovah in 2011 to host his own classes, and those of other colleagues from MITRE. It was never a formal organization, just a site Xeno ran in his free time. As Xeno remakes his OST1 material for OST2, he's taking down the previous materials, to make sure students get the best experience possible. But each instructor can make their own choice in that regard.

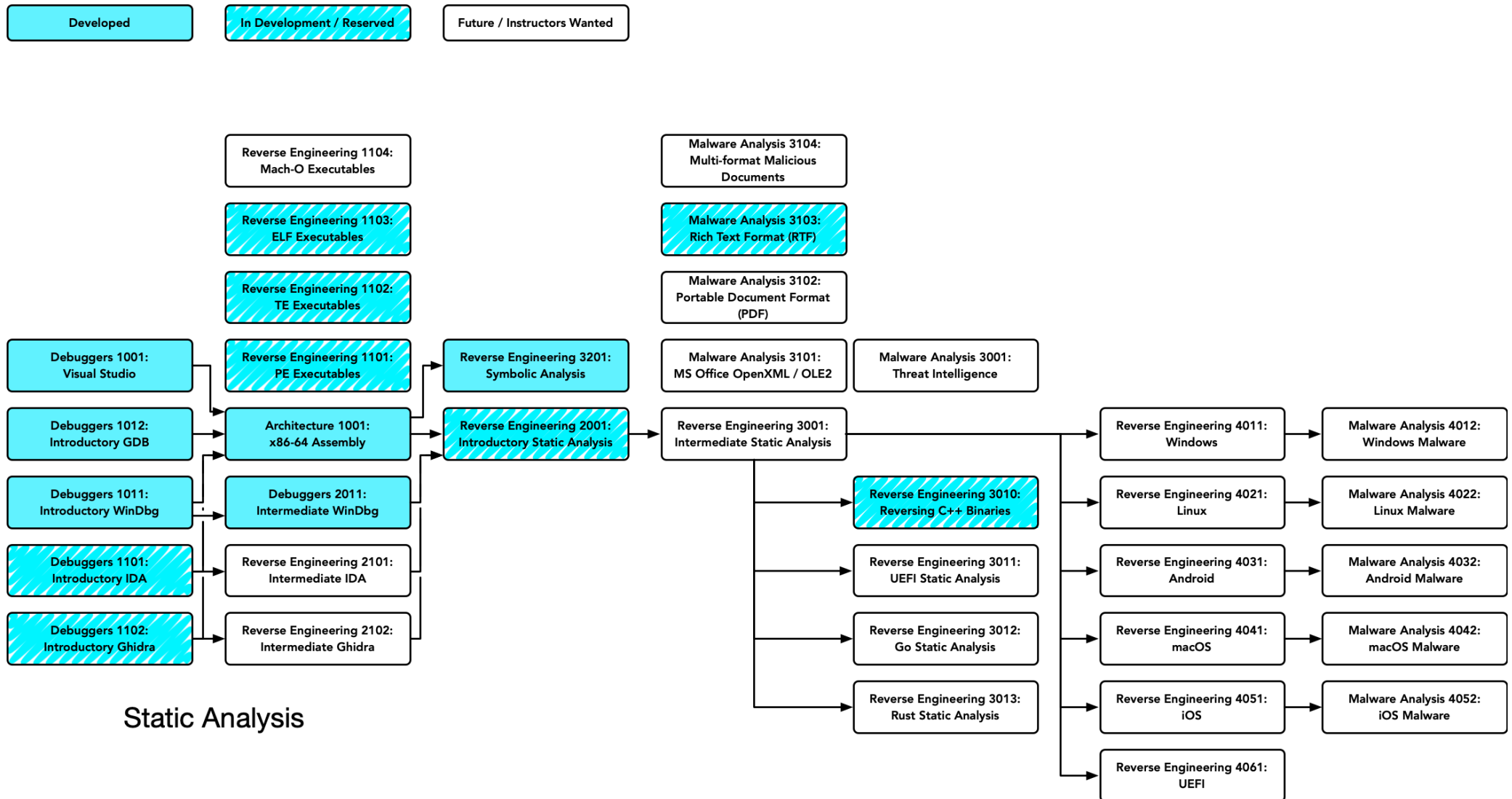


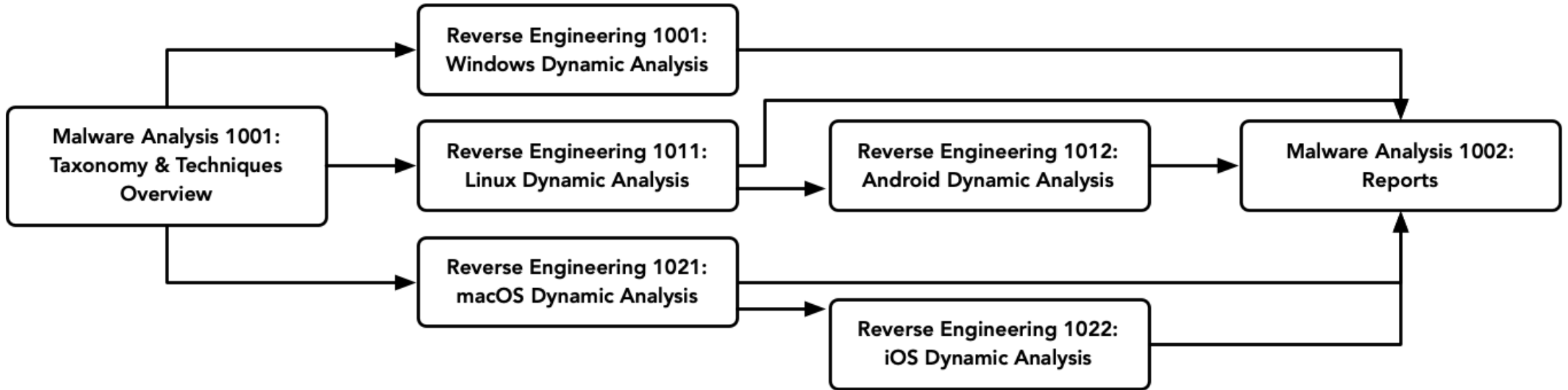
LEARNING PATHS

OpenSecurityTraining2 Learning Paths: System Security



OpenSecurityTraining2 Learning Paths: Malware Analysis





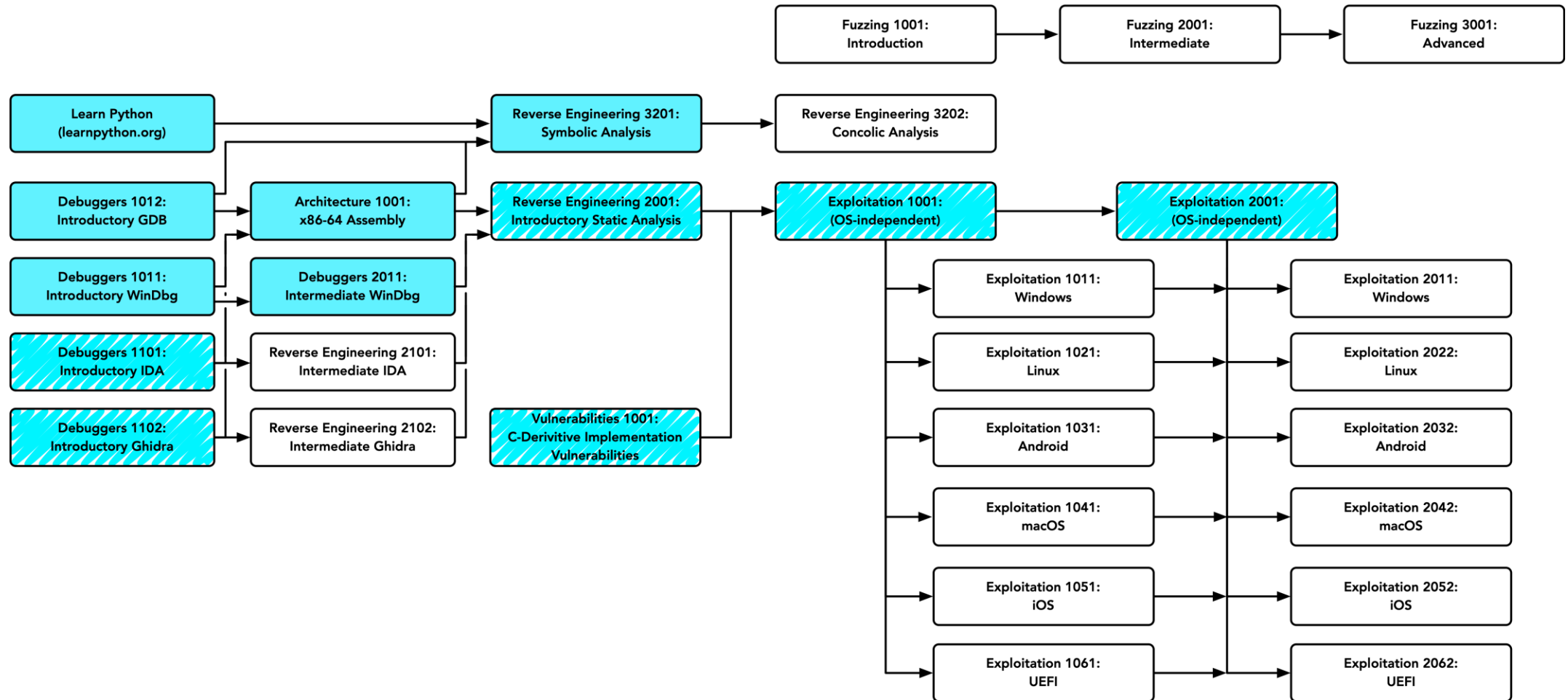
Dynamic Analysis

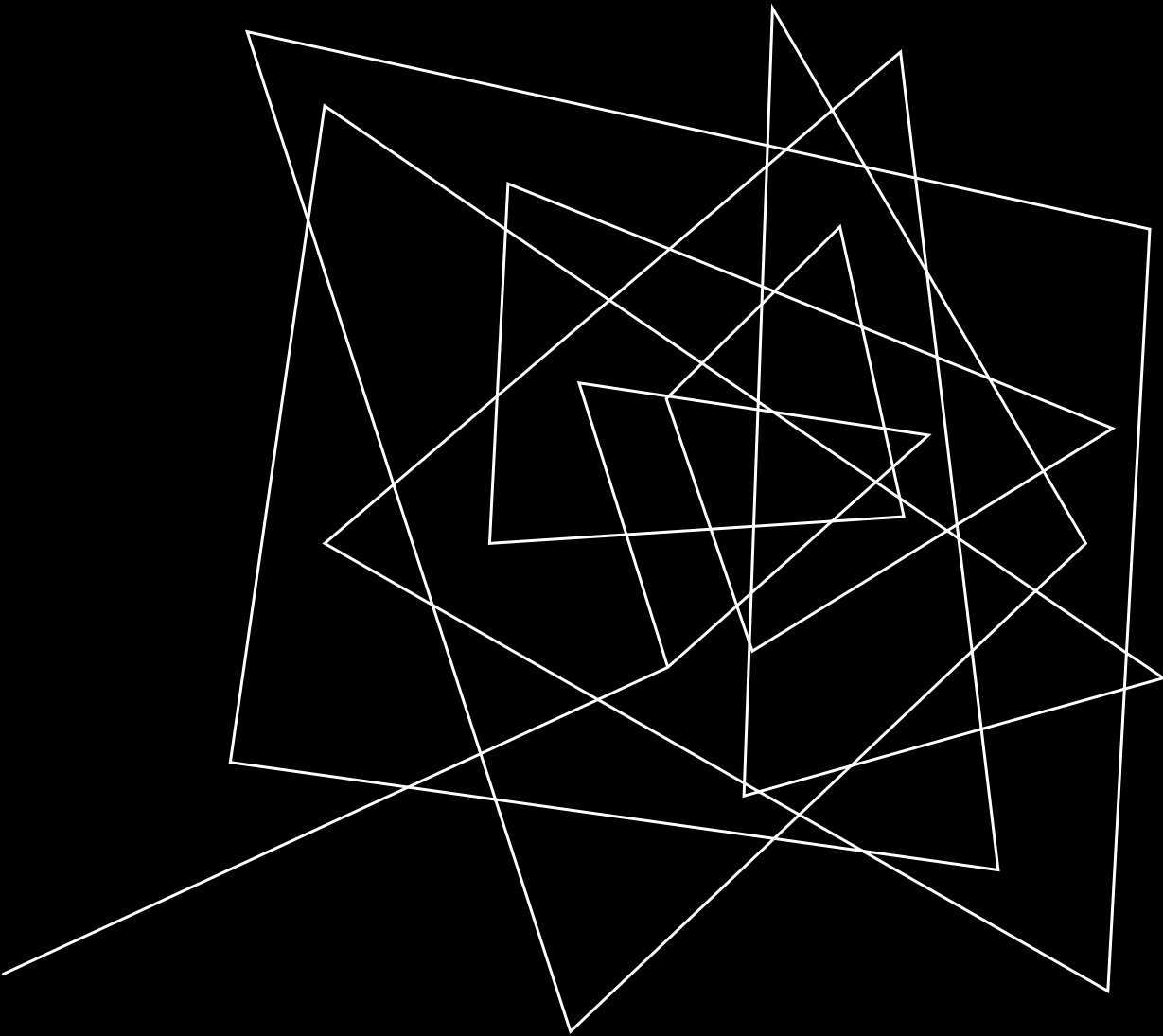
OpenSecurityTraining2 Learning Paths: Secure Coding, Vulnerability Hunting, and Vulnerability Exploitation

Developed

In Development / Reserved

Future / Instructors Wanted





X86-X64 ASSEMBLY

LEARNING ASSEMBLY



LEARNING ASSEMBLY

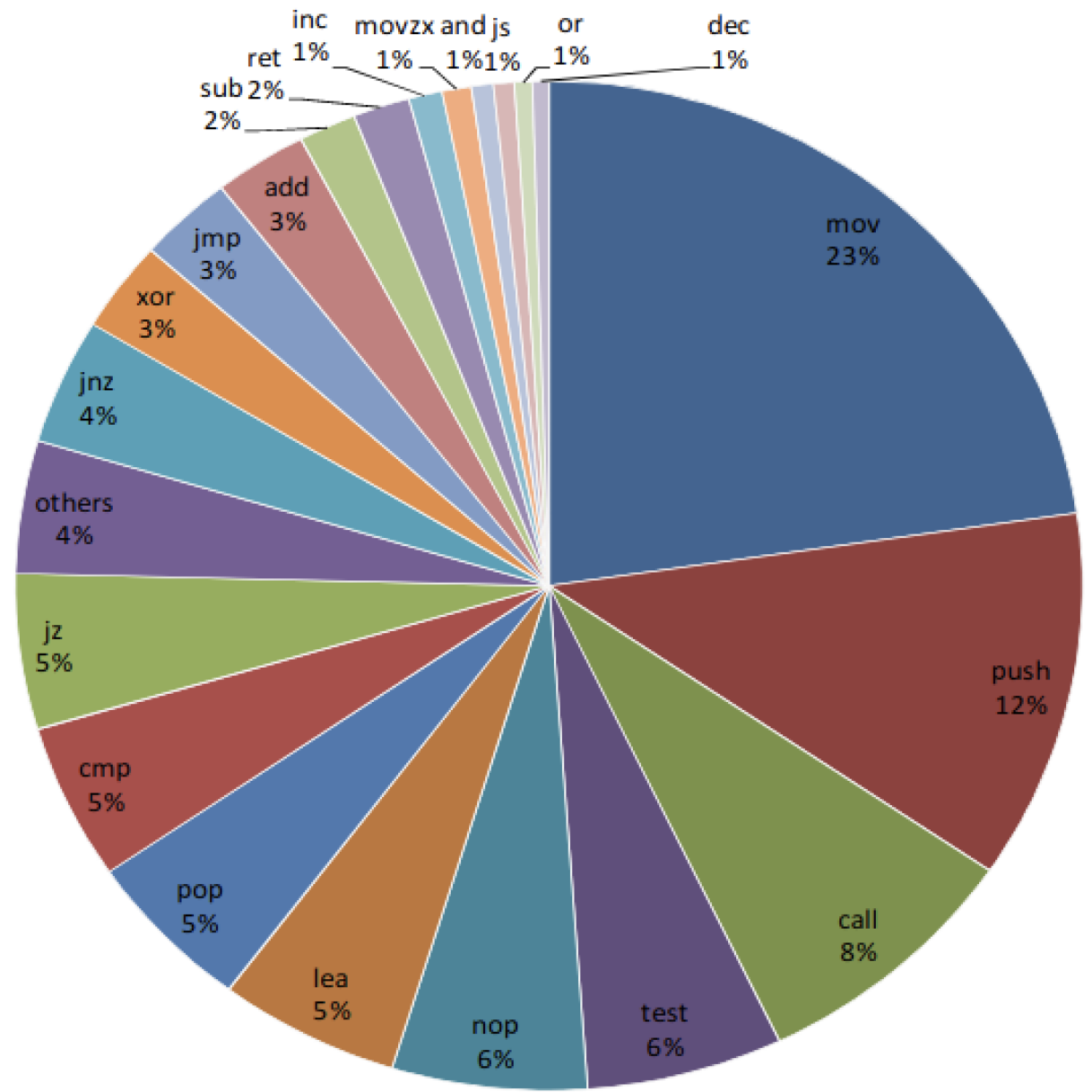


Fig. 2 Web browsers' instruction frequencies

HIGH ADDRESSES

=====

5caff01d <- RBP

=====

C01de57F001

=====

5a1ad

=====

dec0de

=====

1ac7a5e <- RSP

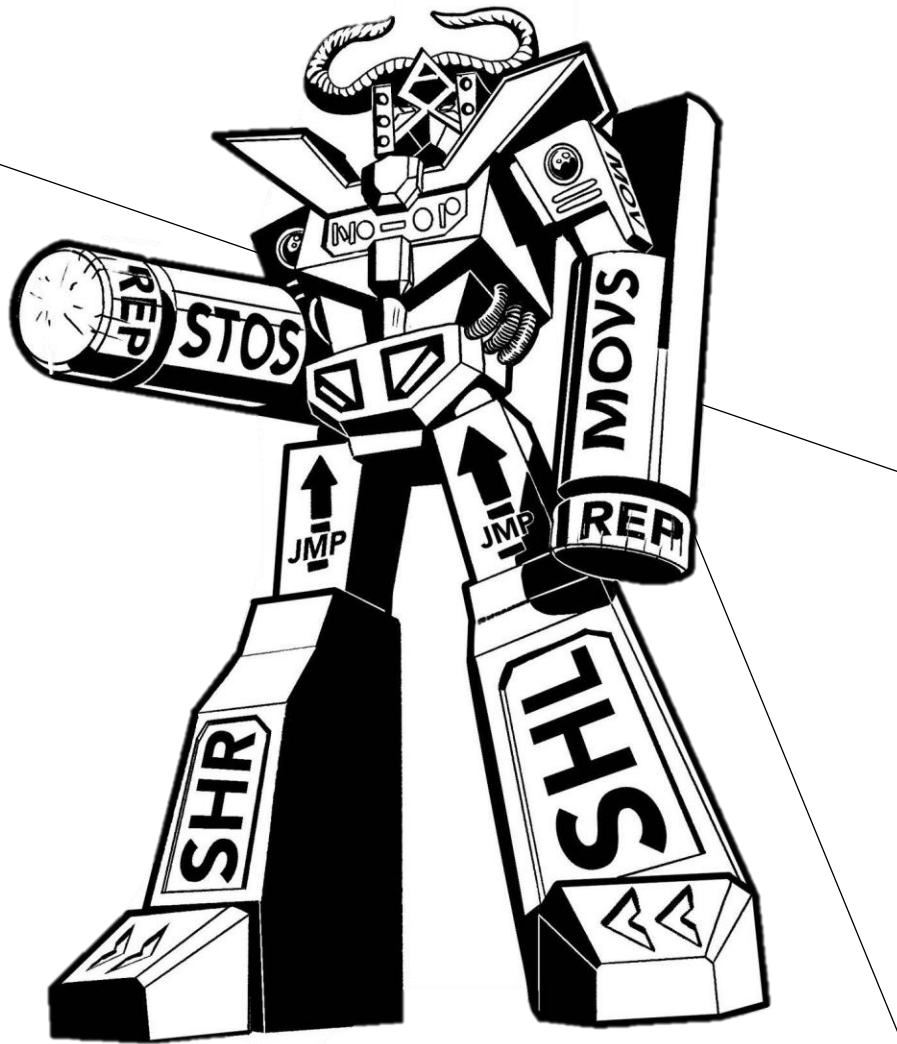
=====

LOW ADDRESSES

What is the offset to C01de57F001 ?

(Enter answer in the form of "rsp{+,-}0x??"
or "rbp{+,-}0x??")

THE OTHER RSP GAME



GNASTY ACCUMULATOR!

```
mov $0x000000C3, %r10
```

```
or $0x00000077, %r10
```

What value is in %r10 after this code executes?

=====

```
mov $0x9F, %rsi
```

```
xor %rsi, %rsi
```

```
dec %rsi
```

What value is in %rsi after this code executes?

=====

```
mov $0x0000C498, %bx
```

```
shr $0x10, %bx
```

What value is in %bx after this code executes?

THANK YOU

