

# BOT SOPHISTICATION

## STORMBIRD

### BASIC BOTS

These are simple scripts using tools like curl or Selenium with no evasion techniques. They are easily blocked by basic security measures like CAPTCHAs and IP rate limits.

### Advanced Bots

Advanced bots rotate IPs, spoof headers, and avoid known detection traps. They use headless browsers to perform automated actions that appear more human-like.

### Sophisticated Bots

These bots simulate real user behavior such as mouse movement and scrolling, and operate through residential proxies. They can bypass CAPTCHA using machine learning or external solving services.

### AI-Driven Bots

AI-driven bots learn and adapt to detection in real time, modifying their behavior dynamically. Some leverage large language models to carry out phishing or account takeover attacks with precision.