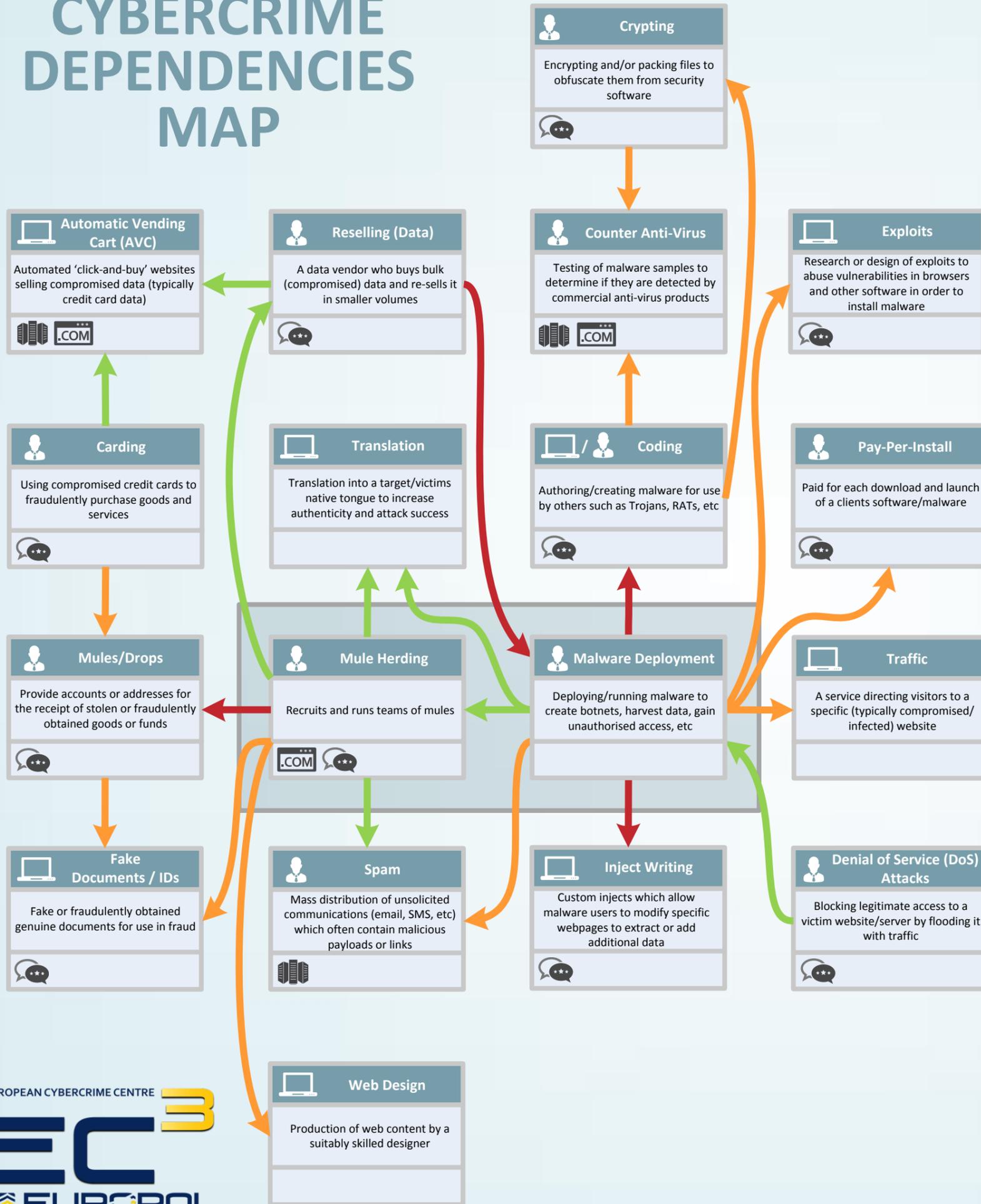


# CYBERCRIME DEPENDENCIES MAP



**Hosting (Bulletproof)**  
Dedicated/shared/virtual hosting which may be non-compliant to law enforcement requests  
[Icon: Server rack]

**Forums**  
Online bulletin boards used as meeting places and markets by cybercriminals to sell products/services  
[Icon: Speech bubbles]

**Domain Services**  
Provision of generic and countrycode Top Level Domains (gTLDs and ccTLDs)  
[Icon: .COM domain]

**VPN / Proxy Services**  
Anonymising services which masks a user's original IP address and can encrypt their internet traffic  
[Icon: Server rack]

**Currency Exchange**  
Exchange between virtual and other (virtual or fiat) currencies  
[Icon: .COM domain]

**Mixer / Tumbler**  
A money-laundering service which hides a virtual currency financial trail by pooling and redistributing clients funds  
[Icon: .COM domain]

**Secure Communications**  
Secure (e.g. encrypted, un-logged) email and/or instant messaging  
[Icon: Server rack]

The **Cybercrime Dependencies Map** is designed to outline the key products and services within the digital underground and to highlight how and to what degree these products and services are **DEPENDENT** on each other to operate. For example, **Mule Herding** has a **HIGH DEPENDENCY** on the availability of **Mules**.

Several products or services are commonly required by many other services in order for them to operate. These have been collected under **Cross-Crime Factors**. Where one of these **Cross-Crime Factors** has been assessed as being of **HIGH** or **MEDIUM** importance to some of the key products/services it has been allocated an icon in order to annotate the appropriate product/service.

**Mouse over the arrows to see the level of dependency between products and/or services.**

## LEGEND

- Highly dependent on - Cannot do without
- Key product/service but not essential
- 'Optional' service
- Product/Service**
  - Product/Service Description
  - Cross-Crime Factors upon which this service has a High/Medium dependence
- Product**
  - Where the customer is required to do everything themselves after purchase
- Service**
  - Where a product involves on-going interaction or is run and maintained by someone else

Europol Public Information