Penetration Test Workshop (CSE3157)

info gathering : maltego

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Penetration Testing

Introduction

Maltego is a **graph-based open-source intelligence (OSINT) and forensics tool** used for **data mining, link analysis, and cyber investigations.** Developed by **Paterva,** Maltego helps security professionals, ethical hackers, and researchers visualize relationships between entities such as **domains, IPs, emails, social media profiles, companies, and more.**

Why maltego

- Powerful OSINT & Cyber Threat Intelligence tool
- Graph-based visualization of complex relationships
- Integrates with 3rd-party security APIs (Shodan, VirusTotal, etc.)
- Useful for ethical hacking, forensics, and cybercrime investigations

getting started maltego

- **Download & Install** – Maltego Official Site

- **Create an Account** – Register for **CE (free) or commercial versions.**

- **Add Data Sources** – Connect with **Open-Source Intelligence** (**OSINT) tools like Shodan, Whois, and more.**

- **Run Transforms** – Query **domains, IPs, emails, and visualize relationships.**

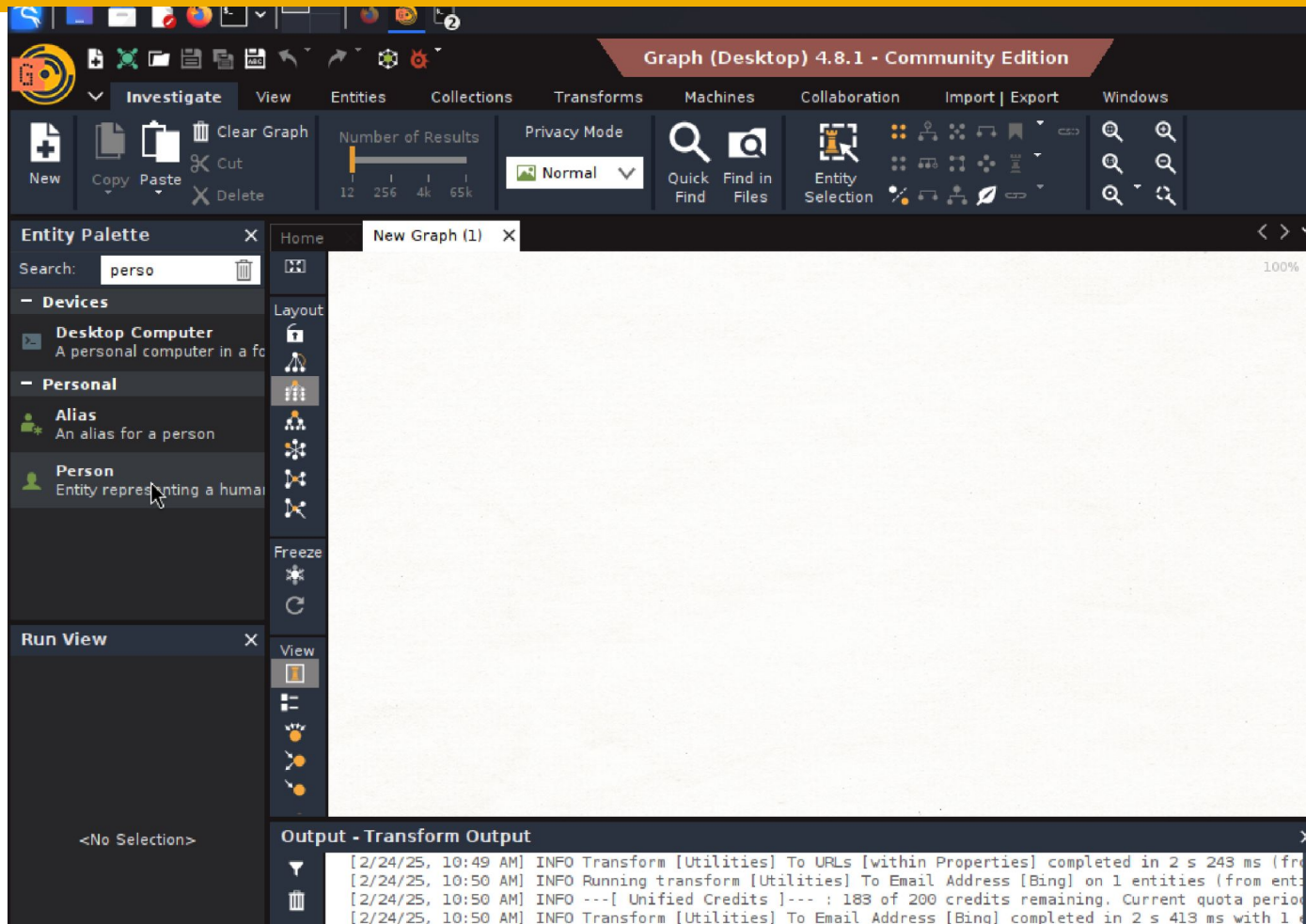- **Analyze & Report** – Investigate, map threats, and generate forensic reports.

Person Entity
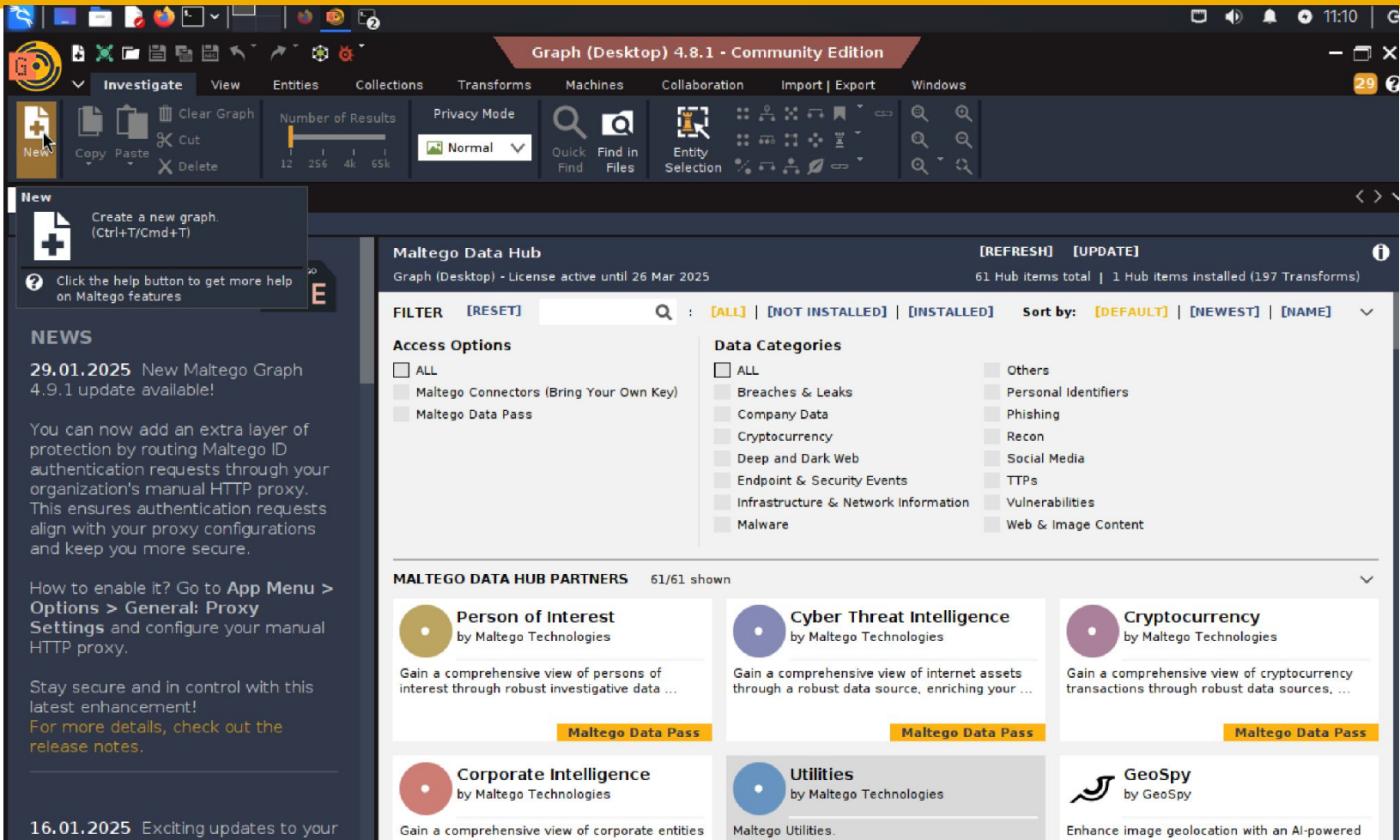
step 1: open a new graph

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Person Entity

step 2: search for 'person' in Palette, drag and drop it in New Graph

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Person Entity

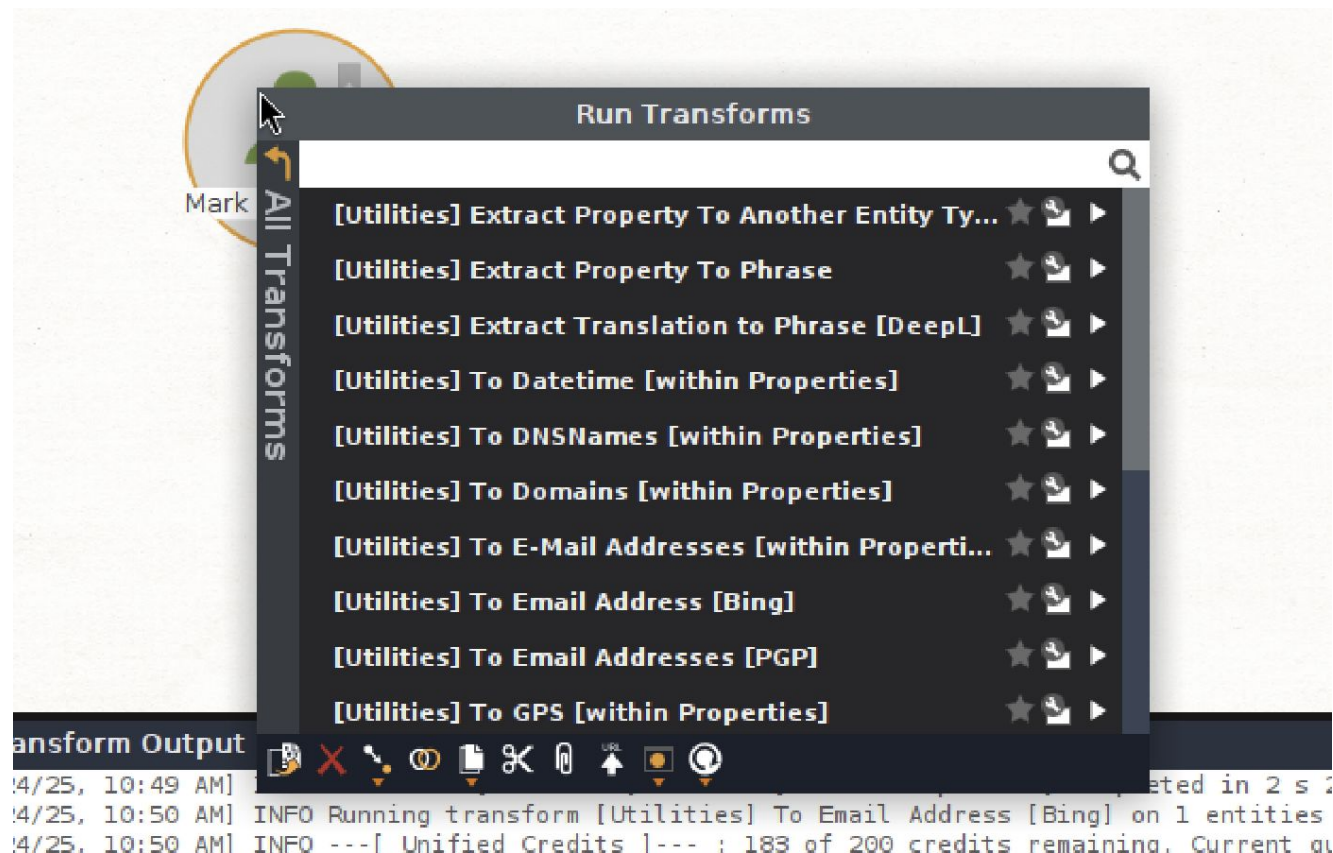step 3: double click on 'john Doe'

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Person Entity

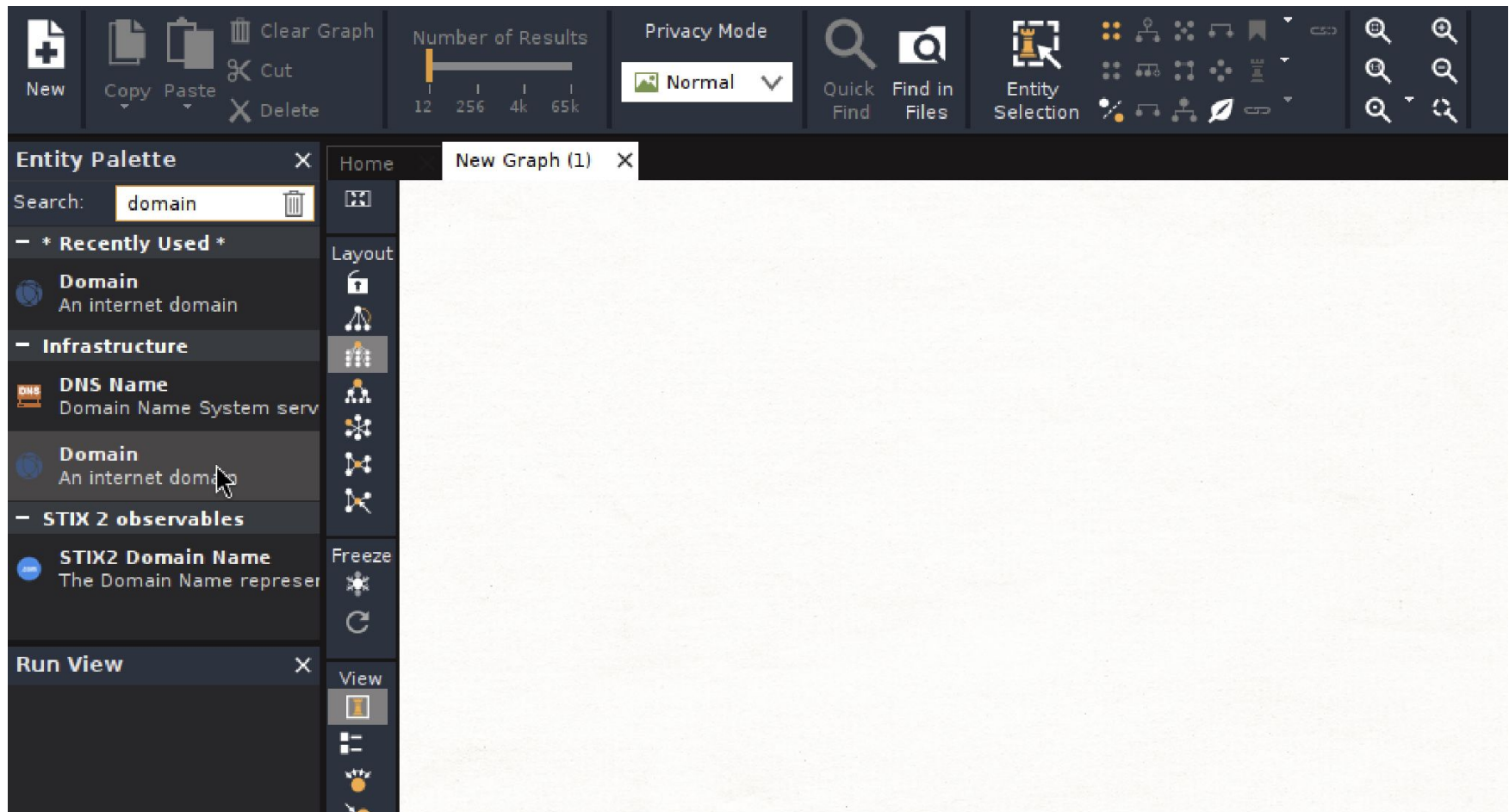step 4: write the person name

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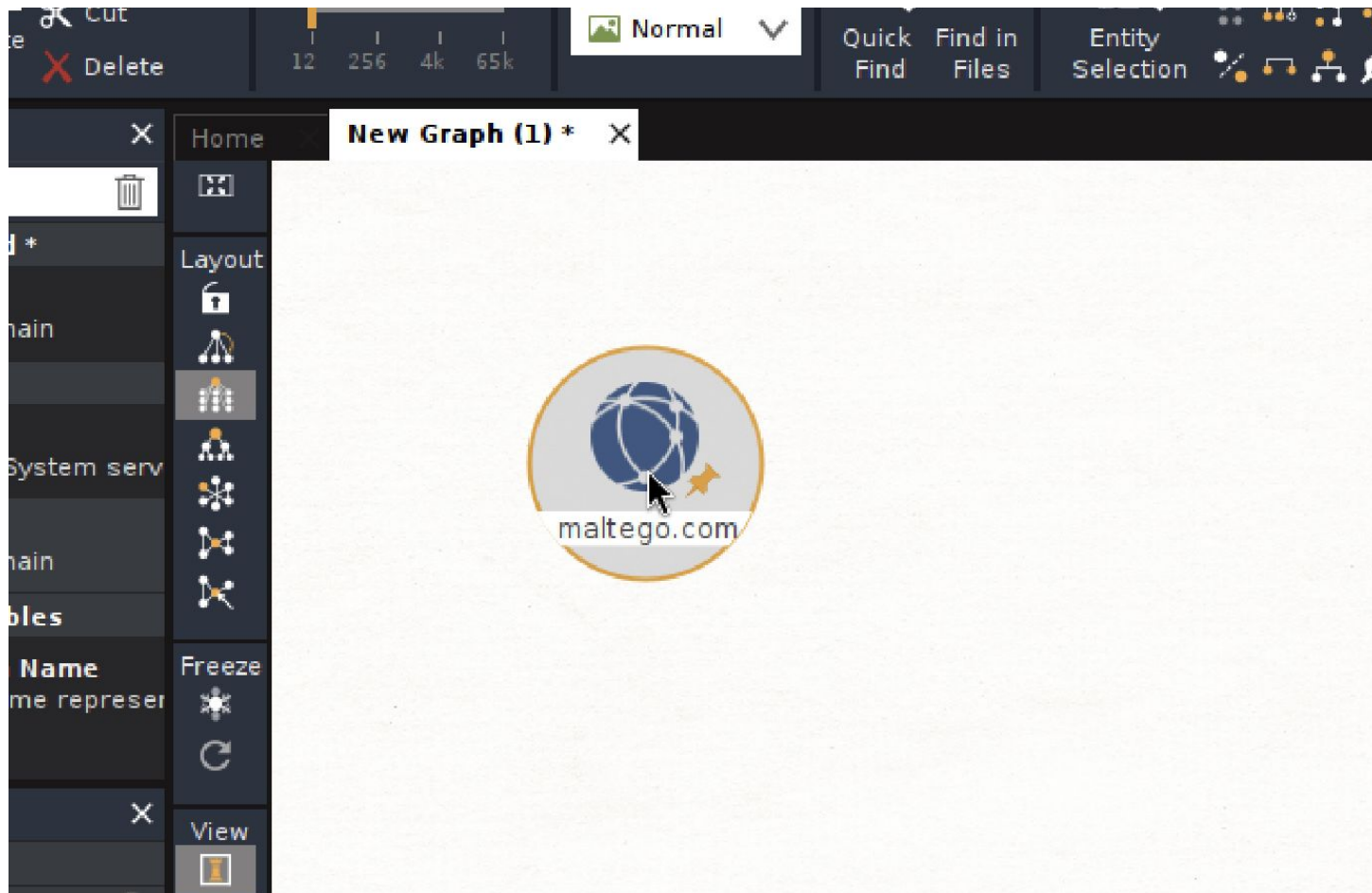# Person Entity

step 5: run required transforms

Domain Entity

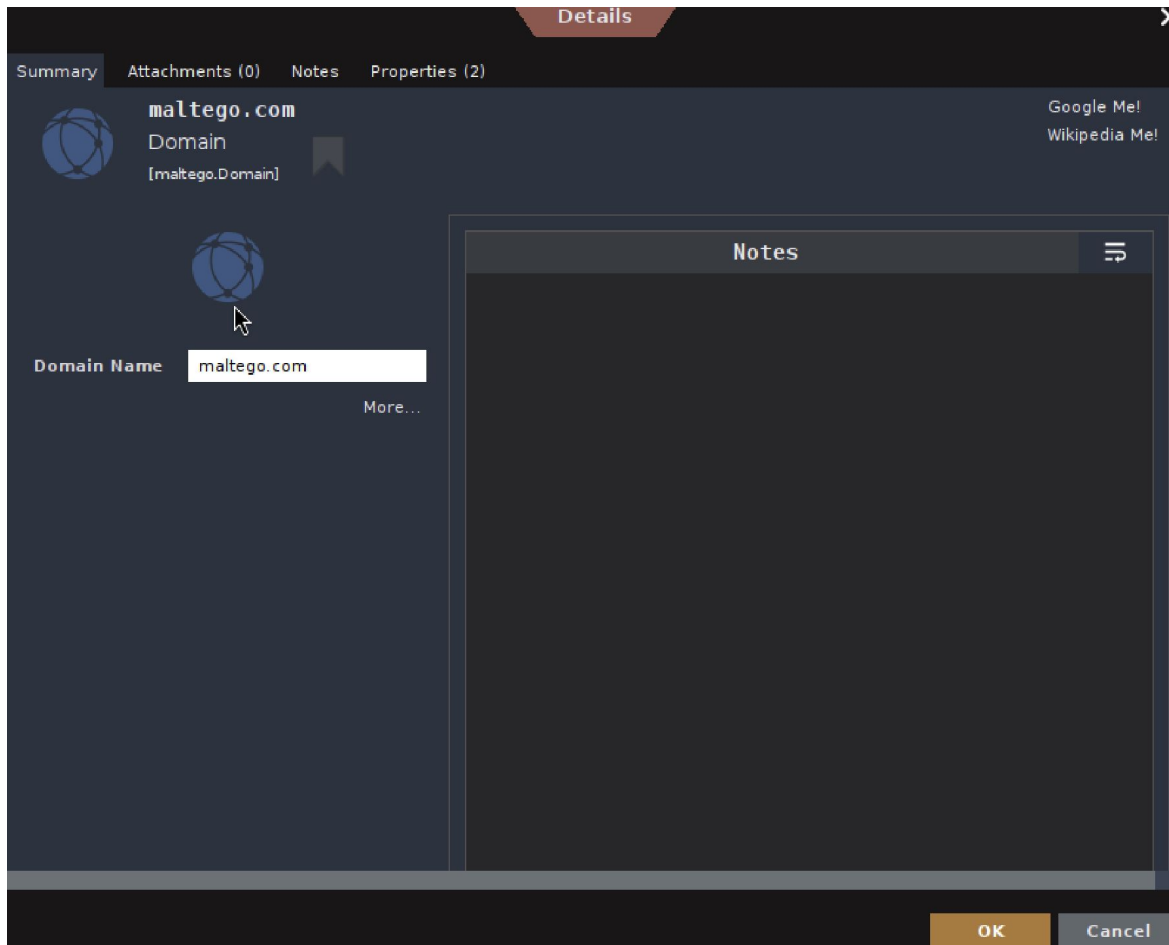step 2: after clicking 'New' search for 'domain' in Palette, drag and drop it in New Graph

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Domain Entity
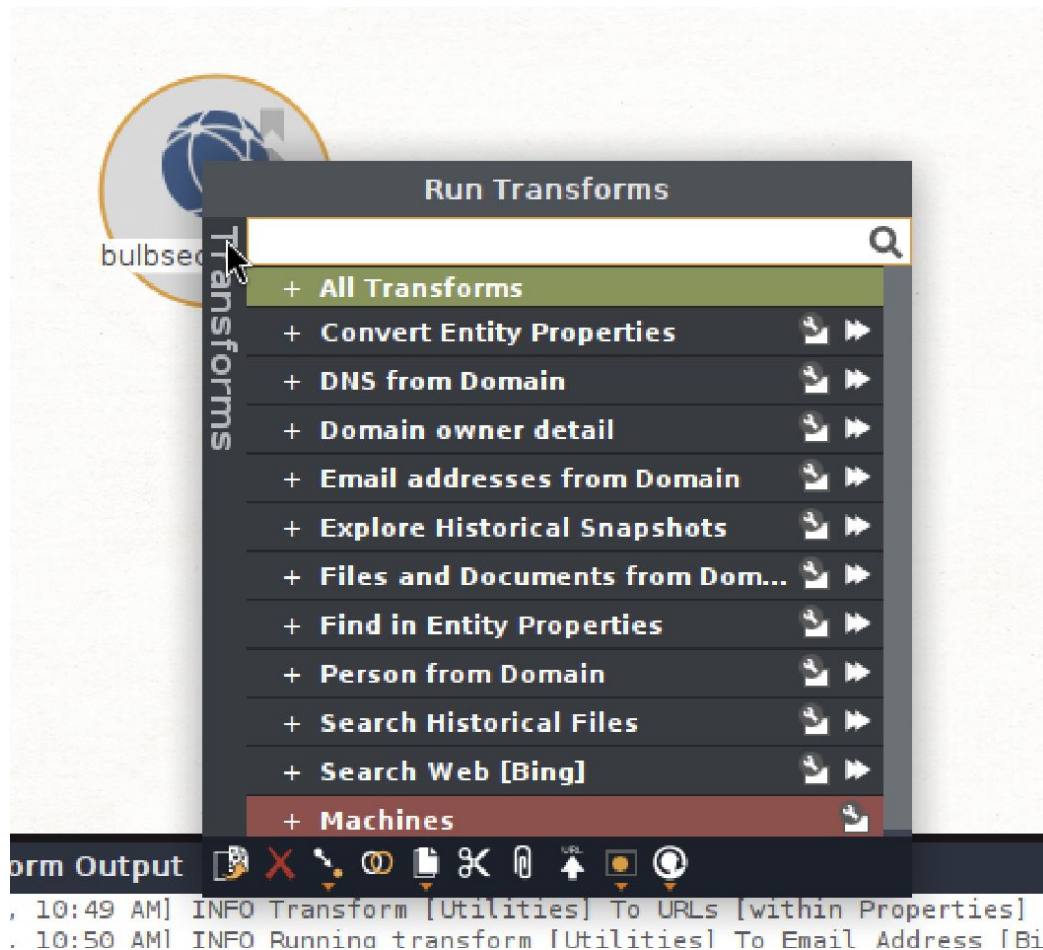
step 3: double click on 'john Doe'

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Domain Entity

step 4: write domain name

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Domain Entity

step 5: run required transforms

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Explore Domain and Person Entity

Explore all transforms of Domain and Person Entity

Thank You

Digital Forensic