# Maltego "Have I Been Pwned?"

**Christian Heinrich DEFCON China [Beta] (2018)** 

"Demo Labs" and "Recon Village"



#### **Latest Slides**

```
https://www.slideshare.net/cmlh/maltego-have-i-been-pwned
https://speakerdeck.com/cmlh/maltego-have-i-been-pwned
https://github.com/cmlh/Maltego-haveibeenpwned/tree/master/Presentation
```

Don't forget to look at each Slide Note.



# \$ whoami

https://www.linkedin.com/in/ChristianHeinrich

Developer of Local and Remote Maltego Transforms for:

- @Facebook
- @Instagram
- @Gravatar
- @RecordedFuture
- @TAIA Global REDACT™
- @VirusTotal
- @FullContact

Python Modules from @CanariProject and @Paterva

https://github.com/search?q=user%3Acmlh+Maltego

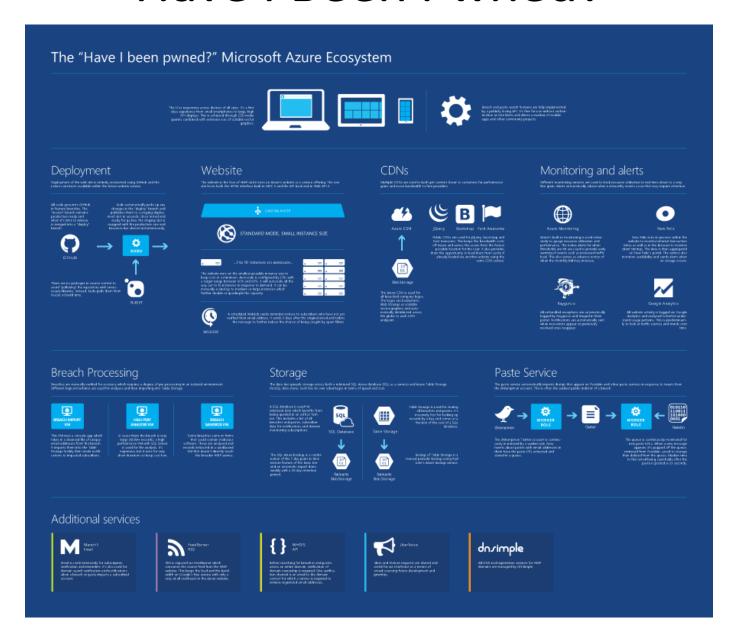


#### Agenda

- 1. Integration of the API [v1 and v2], including "Pwned Passwords"
- 2. Configuration of Maltego:
  - Import configuration file
  - "Transform Hub"
- 3. Case Studies
  - Penetration Tester
  - Incident Responder



#### "Have I Been Pwned?"





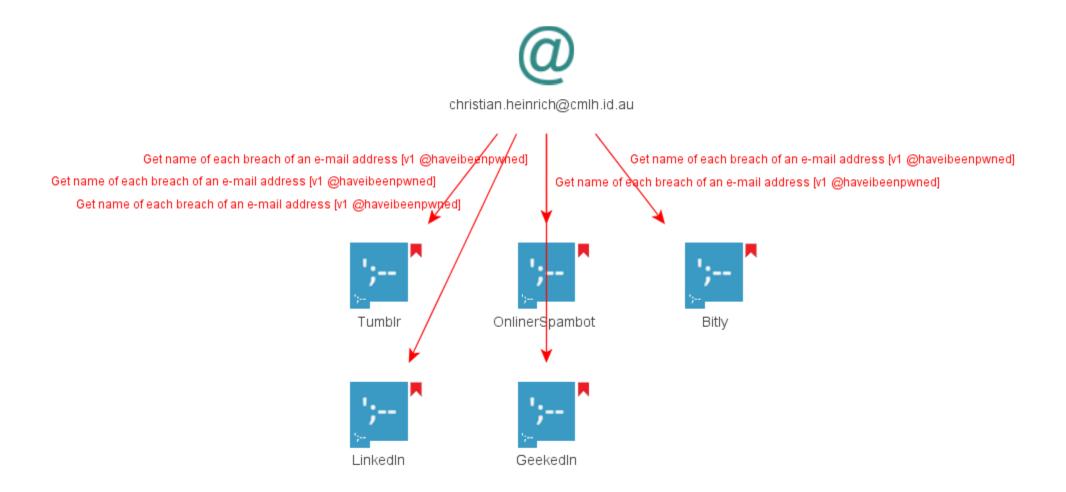
#### @haveibeenpwned – API v1

Integrated Single API v1 Endpoint.

Supports all API v1 HTTP Status Codes i.e. 200, 400 and 404.



#### @haveibeenpwned – API v1





#### @haveibeenpwned – API v2

#### Integrated API v2 Endpoints:

- 1. Getting all breaches for an account
- 2. Getting all pastes for an account
- 3. Getting all breached sites in the system
- 4. Getting a single breached site



#### @haveibeenpwned – API v2 – Rate Limit

Supports all APIv2 HTTP Status Codes i.e. 200, 400, 403, 404 and 429.

#### Rate Limit

- All breaches for an account i.e. e-mail address and alias.
- All pastes for an e-mail address



#### "Pwned Passwords" – API v1

Integrated Single API **v1** Endpoint.

Supports all API v1 HTTP Status Codes i.e. 200 and 404.



#### "Pwned Passwords" – API v2

#### Integrated API v2 Endpoints:

- Searching by Password
- Searching by Range

Supports all API v1 HTTP Status Codes i.e. 200 and 404.



#### Installation



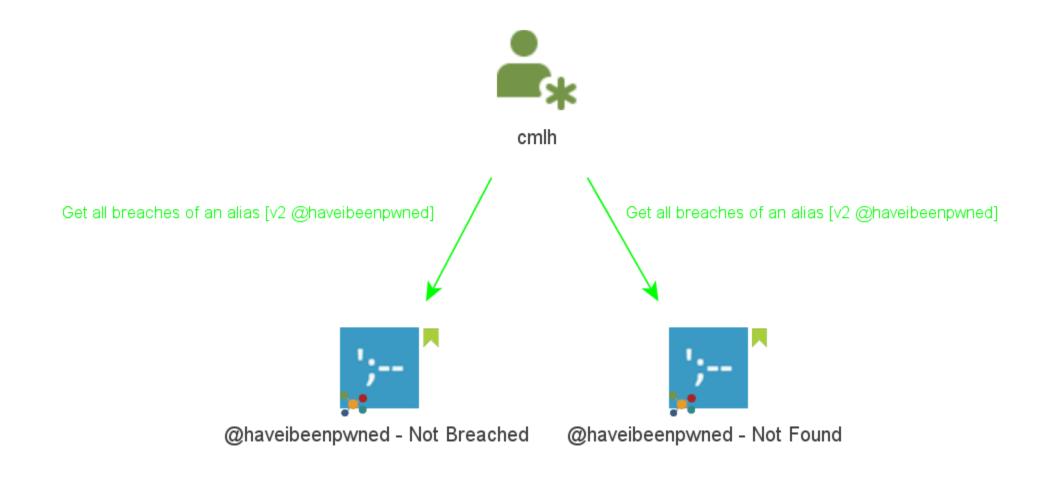


### @haveibeenpwned – Maltego Input Entities

- 1. "Account"
  - 1. maltego.EmailAddress
  - 2. maltego.Alias
- 2. "Site"
  - 1. maltego.Domain
  - 2. Maltego.Phrase

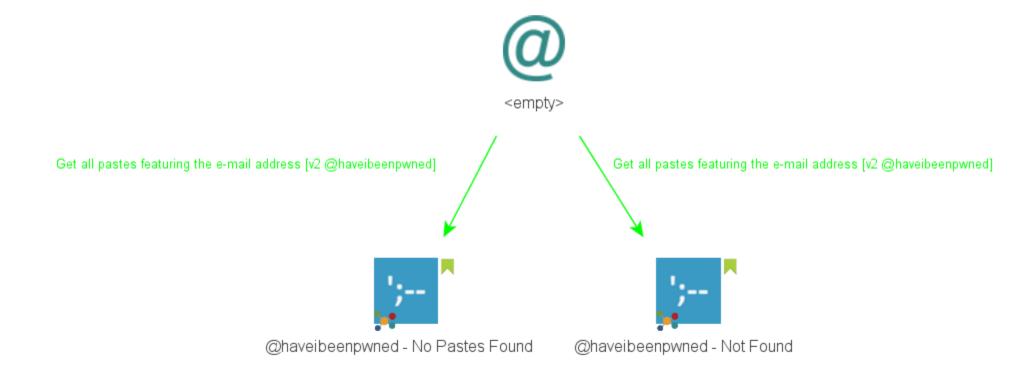


### @haveibeenpwned-maltego.Alias Entity





# @haveibeenpwned - Paste





# @haveibeenpwned - Paste



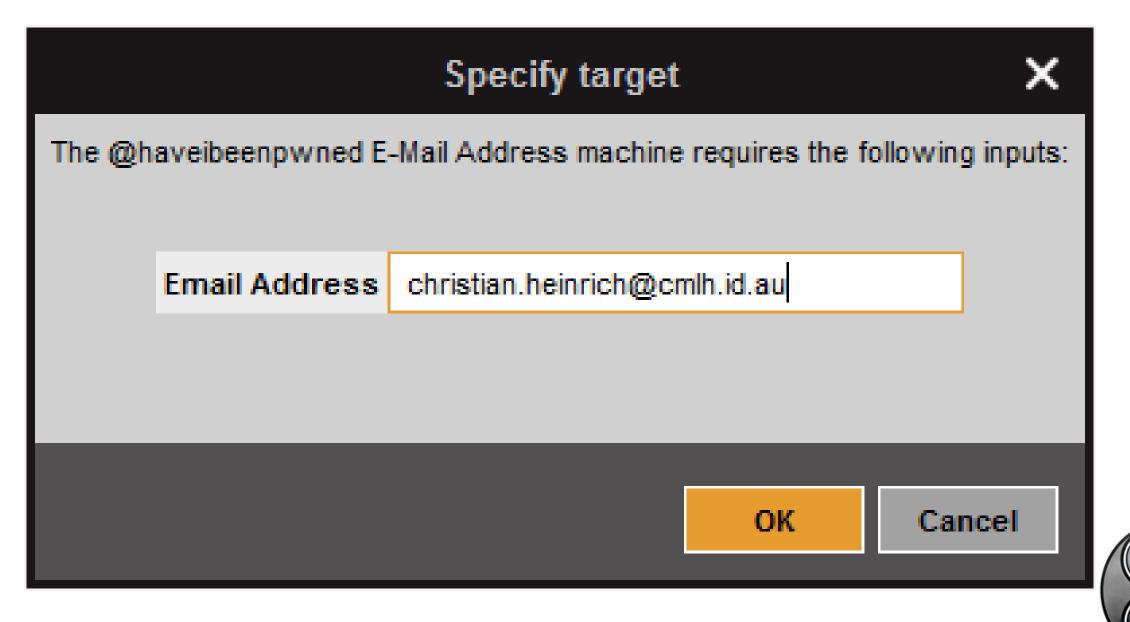
christian.heinrich@cmlh.id.au

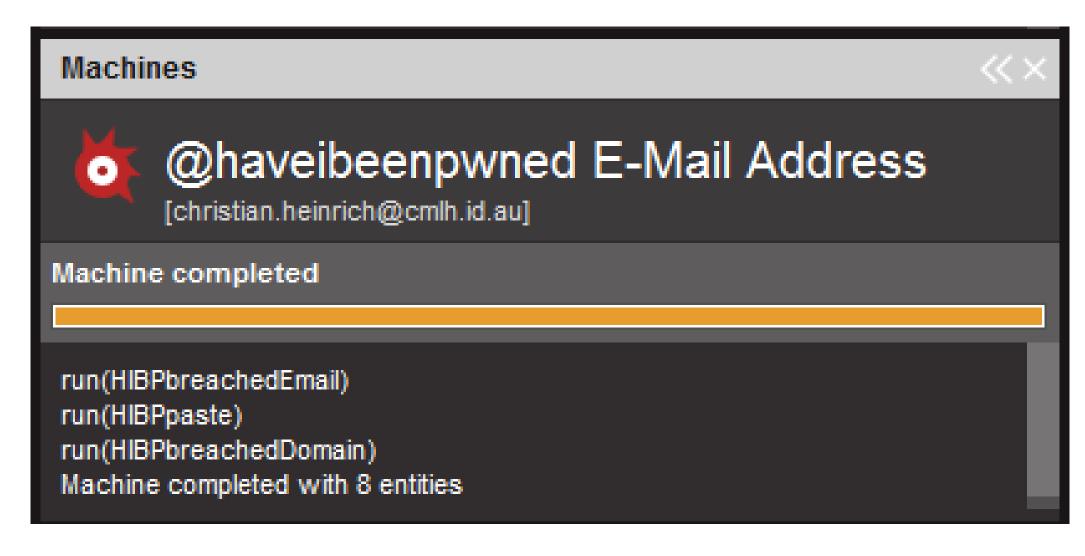
Get all pastes featuring the e-mail address [v2 @haveibeenpwned]



QuickLeak - QtPly6aE



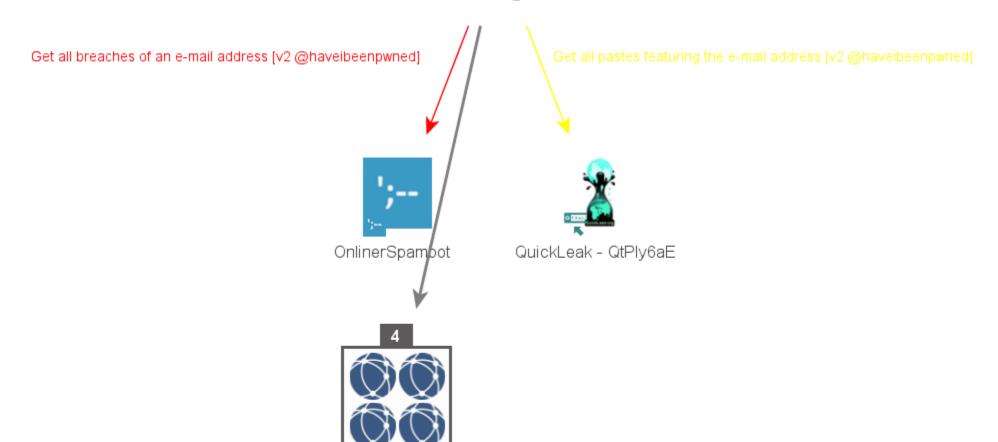




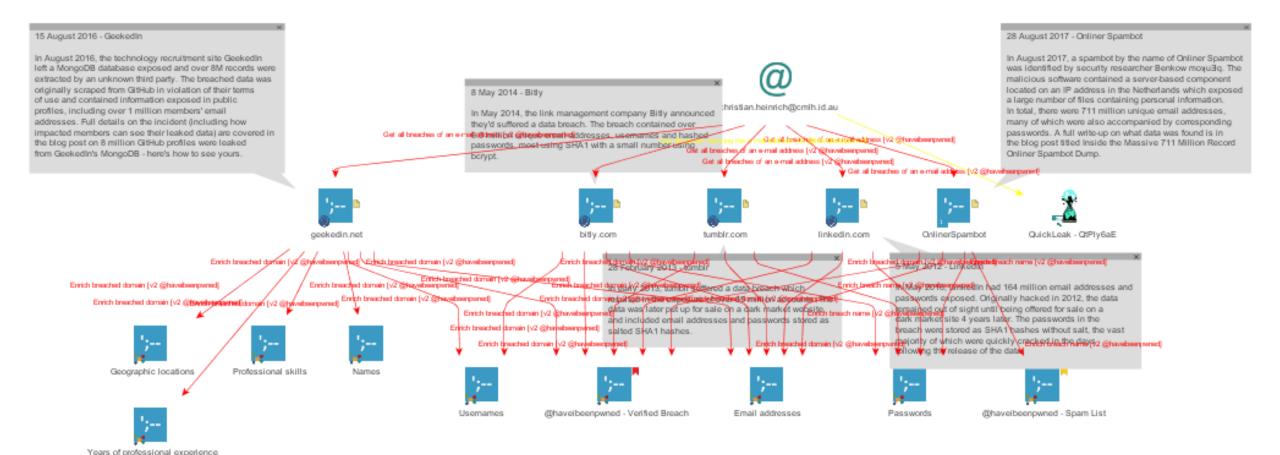




christian.heinrich@cmlh.id.au

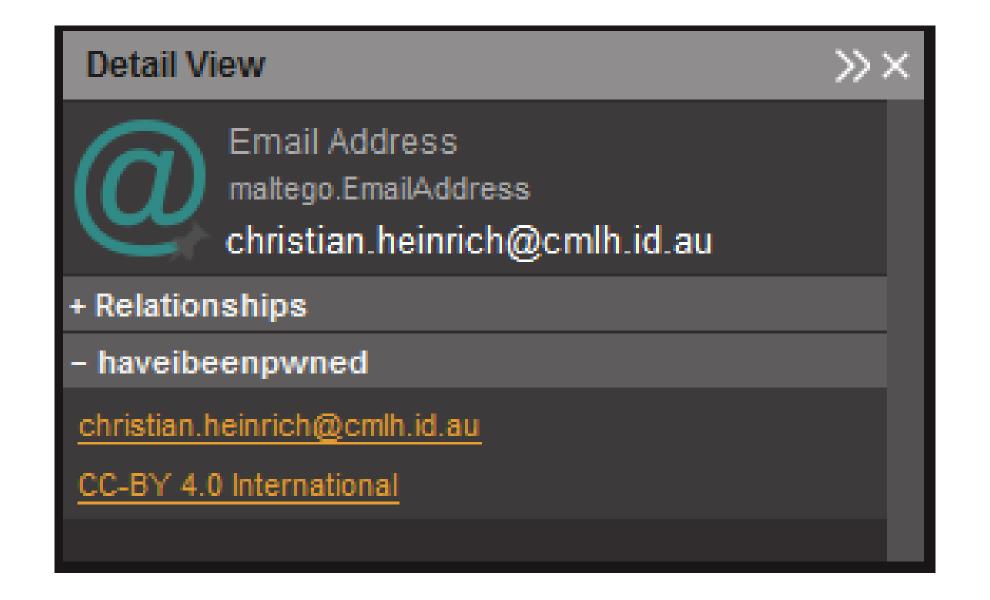






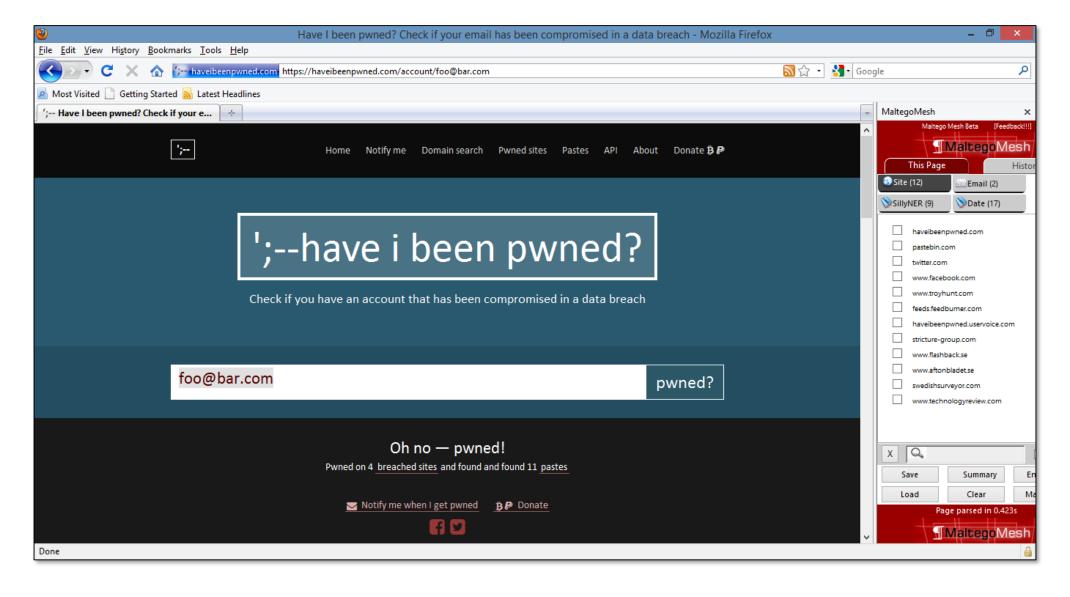


# @haveibeenpwned-<DisplayInformation>





# @haveibeenpwned-<DisplayInformation>



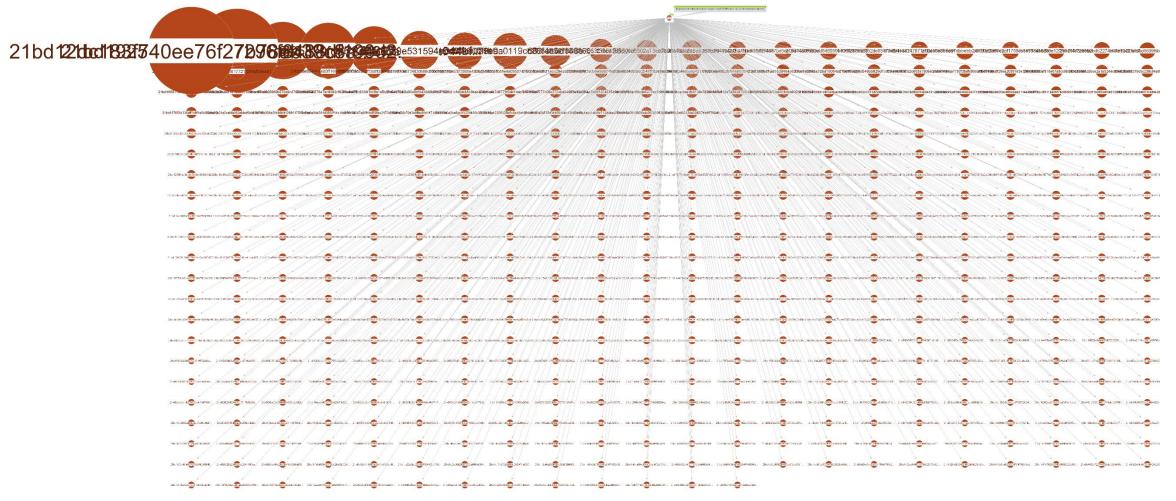


# "Pwned Passwords" API v2 – Input Entities

- 1. haveibeenpwned. Password
  - Inherits from maltego. Phrase
- 2. maltego.Hash



# "Pwned Passwords" API v2 – Range





#### **Thanks**

- @troyhunt of @haveibeenpwned
- @SudhanshuC of the forked Maltego local transforms
- @RoelofTemmingh, @AndrewMohawk and @paulRchds of @Paterva
- @NoobieDog, @glennzw and @charlvdwalt of @SensePost
- @dcuthbert



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Christian Heinrich

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