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RAPID7

Praeda

- Praeda (Latin for *plunder, booty, spoils of war)*
- Command line tool
- Current Praeda version (Written in Perl)
- Embedded device information harvesting tool
  - Enumerate 100+ devices/models
    - Multifunction printers, UPSs, Modems, IP Cameras, NAS,

Praeda Install Linux

- git clone git://github.com/percx/Praeda.git
- Cpan Perl modules:
  - cpan -i LWP::Simple LWP::UserAgent HTML::TagParser URI::Fetch HTTP::Cookies IO::Socket HTML::TableExtract Getopt::Std Net::SSL Net::SNMP NetAddr::IP

Praeda Install Win7

- Install perl
  - http://www.activestate.com
- Git = Git clone git://github.com/percx/Praeda.git
- Zip = https://github.com/percx/Praeda/archive/master.zip
- Cpan Perl modules:
  - sudo cpan -i LWP::Simple LWP::UserAgent HTML::TagParser URI::Fetch HTTP::Cookies IO::Socket HTML::TableExtract Getopt::Std Net::SNMP NetAddr::IP
  - http://www.sisyphusion.tk/ppm/Net-SSLeay.ppd
- Change line 47 in praeda.pl from “use Net::SSL; to use Net::SSLeay;

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Praeda Install OSX

- Git clone git://github.com/percx/Praeda.git
- Cpan Perl modules:
  - sudo cpan -i LWP::Simple LWP::UserAgent HTML::TagParser URI::Fetch HTTP::Cookies IO::Socket HTML::TableExtract Getopt::Std Net::SSL Net::SNMP NetAddr::IP
  - If after install you have issue with Praeda.pl not running saying a module is missing most likely cause is
    - multiple version of perl installed
    - path order is messed up
    - Determine version that is being used and install all modules to that version
      - Sample “sudo perl5.16 -MCPAN -e 'install Net::SNMP’”

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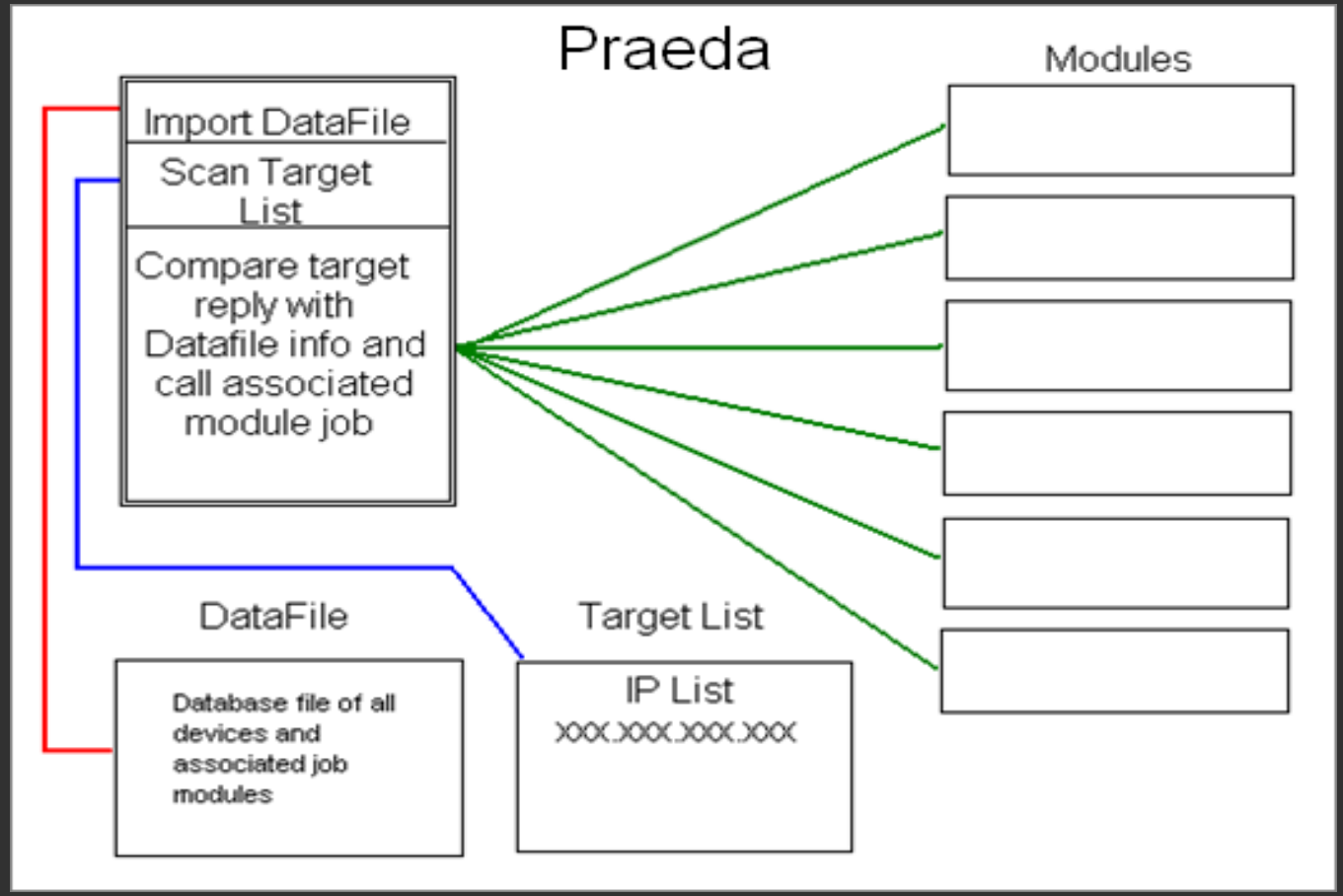
Praeda



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Praeda

How it works:

- Scan network for embedded systems
- Fingerprint embedded systems
- Run Praeda modules based on fingerprint
- Gather data and log it

Praeda

- How we use it:
  - One of the first tools we run on an assessment
  - Use data harvested to gain foothold in environment
  - Success rate is pretty darn good.
    - 40-50% in harvesting Valid active directory credentials

Praeda

- Demo
  - Functions
  - Examine output data

Question?

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https://github.com/MooseDojo/praedasploit

https://github.com/percx/Praeda

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END OF THE WORLD AS WE KNOW IT

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