

Vector 35 Binary Ninja Workshop 2018

Course Outline

1. Introduction and Course Overview
2. Basic Scripting (using the API, references, UI elements, general design concepts)
3. IL and SSA forms (when to use which layer and why)
4. Hands On Exercise
5. Static Dataflow, Value Set Analysis (usage, limitations, application)
6. Public Resources / Research / Examples

Laptop Requirements

Students will need to bring their own laptop. Any laptop capable of running both Binary Ninja and an Ubuntu 17.04 virtual machine (VMWare or VirtualBox) will work.

- A commercial license for Binary Ninja is recommended for multi-threading and headless processing, but students will receive a voucher for a free personal license in the course. Students may opt to pay the difference for a commercial license separately from course registration.
- Recent MacOS, Linux, and Windows (x64 versions of Win10) are all supported though please test your Linux build if it is not Ubuntu LTS or most recent stable.

Student Requirements

Students should be familiar with both Python programming and reverse engineering and vulnerability research concepts. To help students feel comfortable about the minimum level of knowledge required, we've provided the following survey: https://infiltratecon.org/images/synced/Vector_5_EvalQuiz.pdf to help gauge your preparedness.

You do not need to submit your answers for review, however, if you had to look up a lot of answers then you're probably not quite ready. Keep in mind that we will not be reviewing basic concepts in the Workshop. If you do not have the basic knowledge under your belt, the course will move too quickly for you and you will not gain much from it. Use your best judgment before signing up for the Workshop as we want you to walk away having learned something.

Additional Info

- The conference briefings bundle discount is not available for Workshop-only attendees.
- Workshop attendees can use the INFILTRATE group rate available to stay at the Fontainebleau. Visit the Venue (<https://infiltratecon.com/venue/>) page for hotel pricing and reservation details.
- Breakfast and Lunch will not be provided for Workshop-only attendees.