



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

Virtual Drone Challenge
Preparation Guide
Cyber Security Challenge 2018



Cybersecurity Researchers of Waikato

To return control of data to users

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0. Introduction

The goal of the virtual drone challenge is to exploit the attack surface of a simulated Bebop drone to attain control.

A. Software requirements

The following software will be required for the challenge. Instructions to acquire these components will be provided below.

1. VirtualBox - Downloadable from <https://www.virtualbox.org/wiki/Downloads>
2. VirtualBox image from
<https://drive.google.com/open?id=17dsM0cSRhUBye8ZODFJXR9UsGUAJNFY>

B. Hardware requirements

To run the virtual machine sufficiently, we recommend 8GB of RAM and around 50GB of disk space. The virtual machine is allocated 4GB of RAM.

C. Parrot Sphinx Limitations

Parrot Sphinx drone simulator has not matured and is sometimes unstable. To keep the simulator running smoothly, we strongly discourage updating Ubuntu, the linux kernel or any software on the virtual machine.