ATLONA

velocity™

by Atlona

Velocity | Soft Gateway **Installation**

Version Information

Version	Release Date	Notes
1	05/18	Initial release

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Operating Notes

For best restults, the gateway should be located on the same network as the controlled devices.

As of this writing, there are no firmware updates for this product. When new firmware is released, update instructions will be included with the firmware and will be appended to this manual.

Table of Contents

Introduction

The Atlona AT-VSG-2500 and AT-VSG-5000 Velocity Soft Control Gateways are software licenses for the Atlona Velocity Control System that enable AV control processing on standard IT server infrastructure provisioned by the integrator or end user. They are capable of serving up to 2,500 or 5,000 simultaneous IP device connections for large-scale integration of AV control systems spanning a facility, building, campus, or enterprise. The VSG-2500 and VSG-5000 software can be hosted on a dedicated virtual machine, server hardware, or in a Linux container. The Velocity Soft Control Gateway also features an innovative network-based system architecture that allows full redundancy and failover with two VSG-2500 or VSG-5000 instances in operation, maximizing AV control system reliability while preventing downtime in mission-critical applications. It supports industry-standard, secure data communications, and can run within a private, dedicated AV device network.

Requirements

AT-VSG-2500

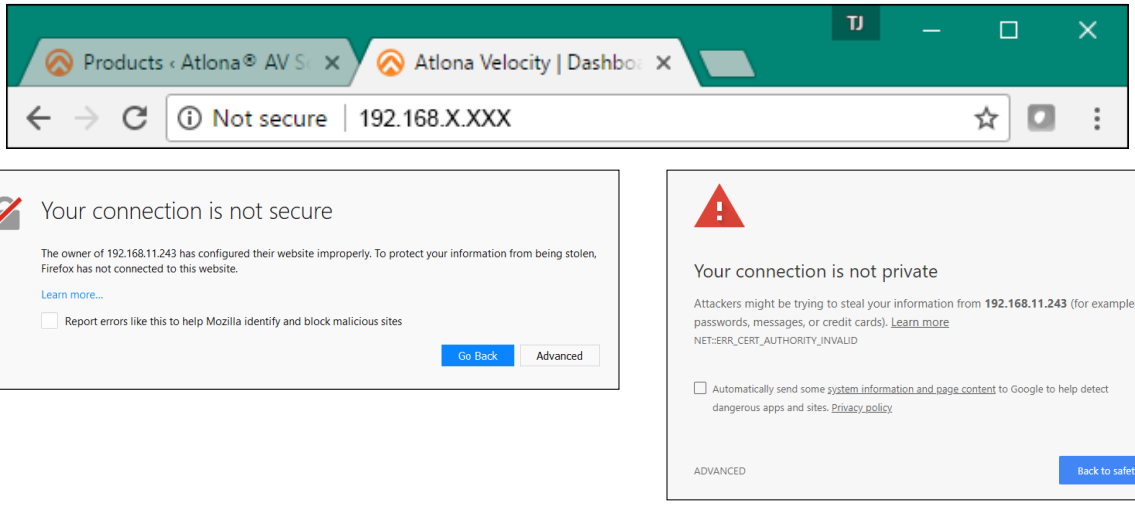
- VMware - ESXI 6.5.0+ OS
- RAM - 16GB minimum
- Core - Dual Core Xeon 2.4 GHz minimum
- Gigabit Ethernet Card
- 64 GB VM HD space minimum
- Velocity Virtual Machine downloaded from the link provided at purchase of the AT-VSG-2500 or AT-VSG-5000.

AT-VSG-5000

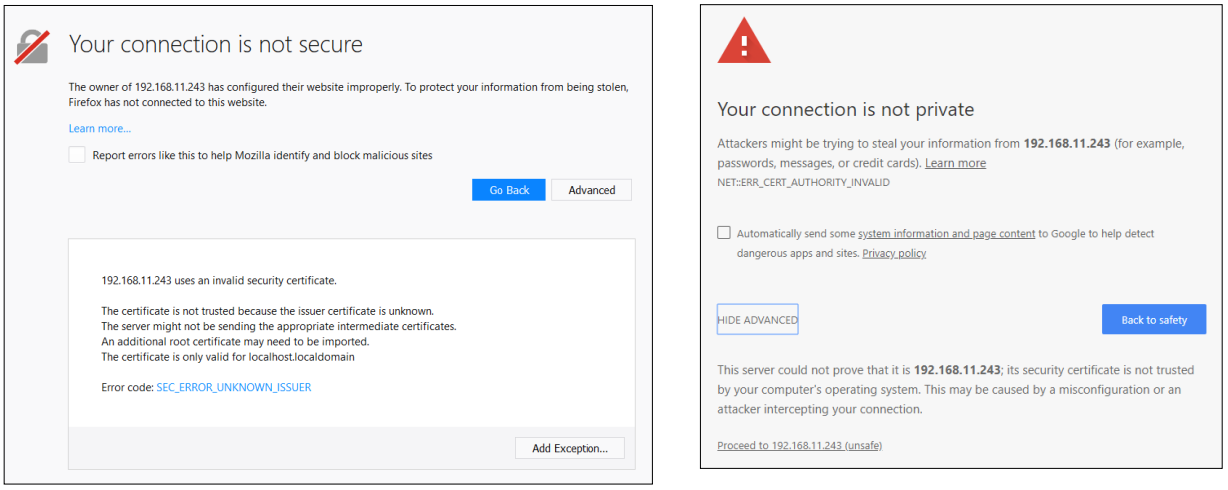
- VMware - ESXI 6.5.0+ OS
- RAM - 32GB minimum
- Core - Quad Core Xeon 2.4 GHz minimum
- Gigabit Ethernet Card
- 100 GB VM HD space minimum
- Velocity Virtual Machine downloaded from the link provided at purchase of the AT-VSG-2500 or AT-VSG-5000.

Log In

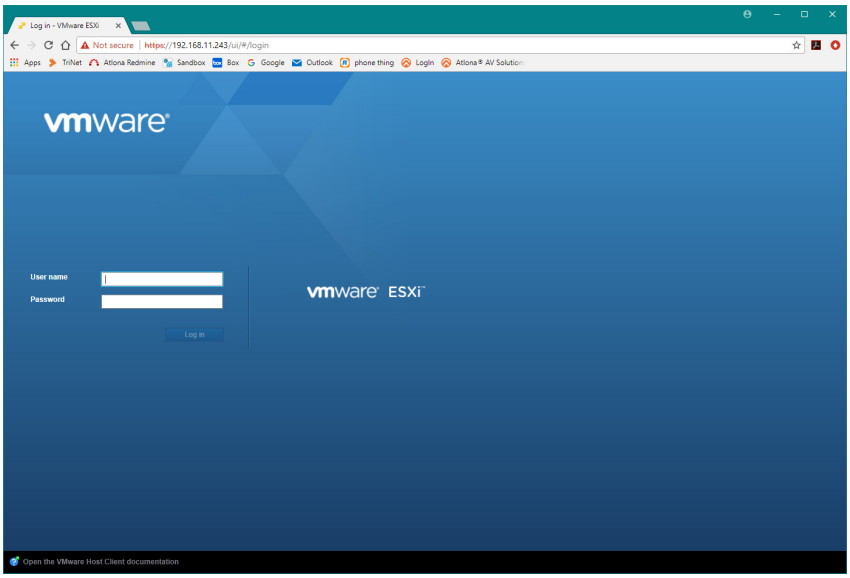
1. Once the server is set up, obtain the IP and type it into a local network browser.



2. The webpage will be blocked as not secure/not private depending on the browser being used. Press the **Advanced** button to reveal more information and make the site link visible.



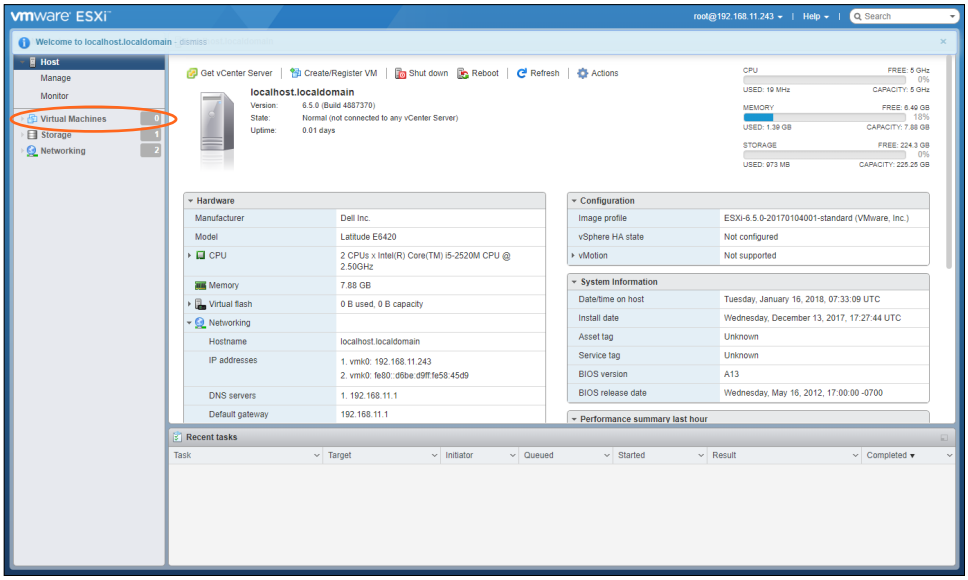
3. Select **Add Exception** or **Proceed to IP (unsafe)**, depending on the web browser being used, to proceed.



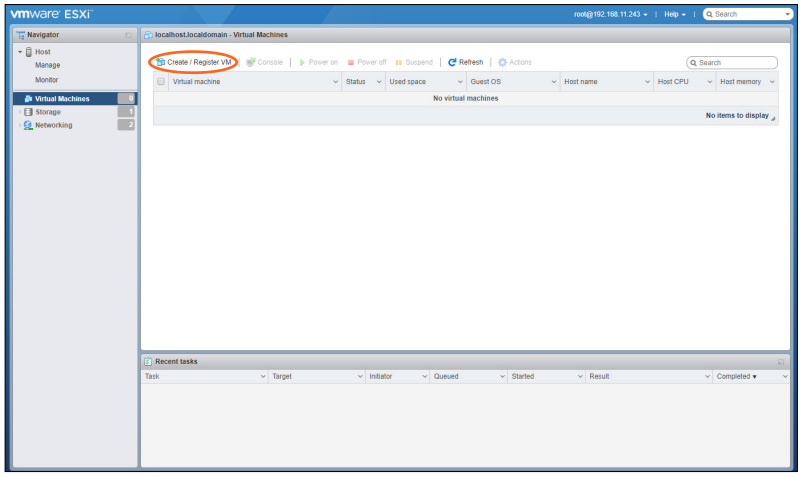
4. Log in using the user name and password that was set up on the ESXI operating system.

Setup

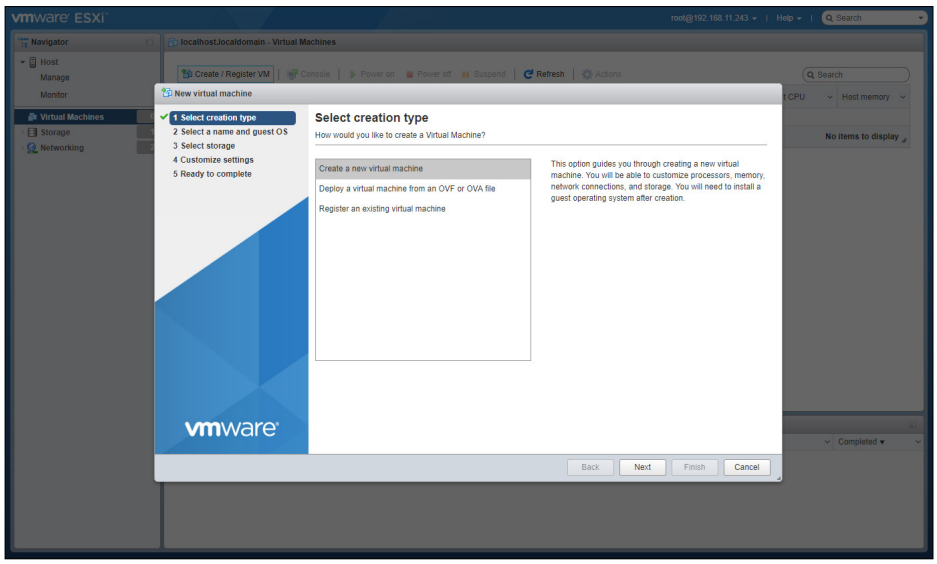
Once logged in, the Velocity virtual machine will need to be set up. To ensure a stable system, use the recommended settings in the following steps.

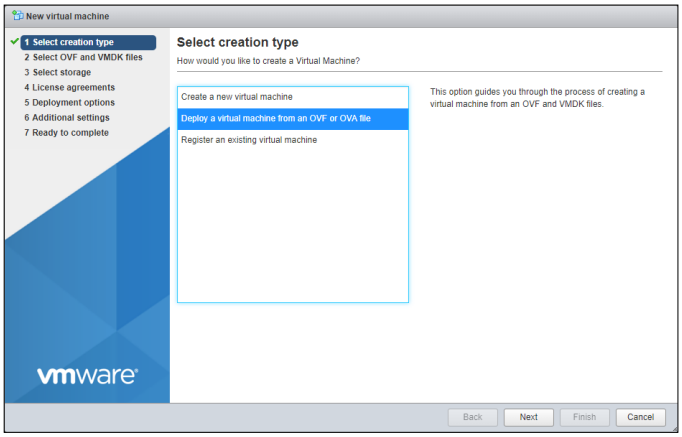


1. Select Virtual Machines from the VMware home page. A new screen will open.

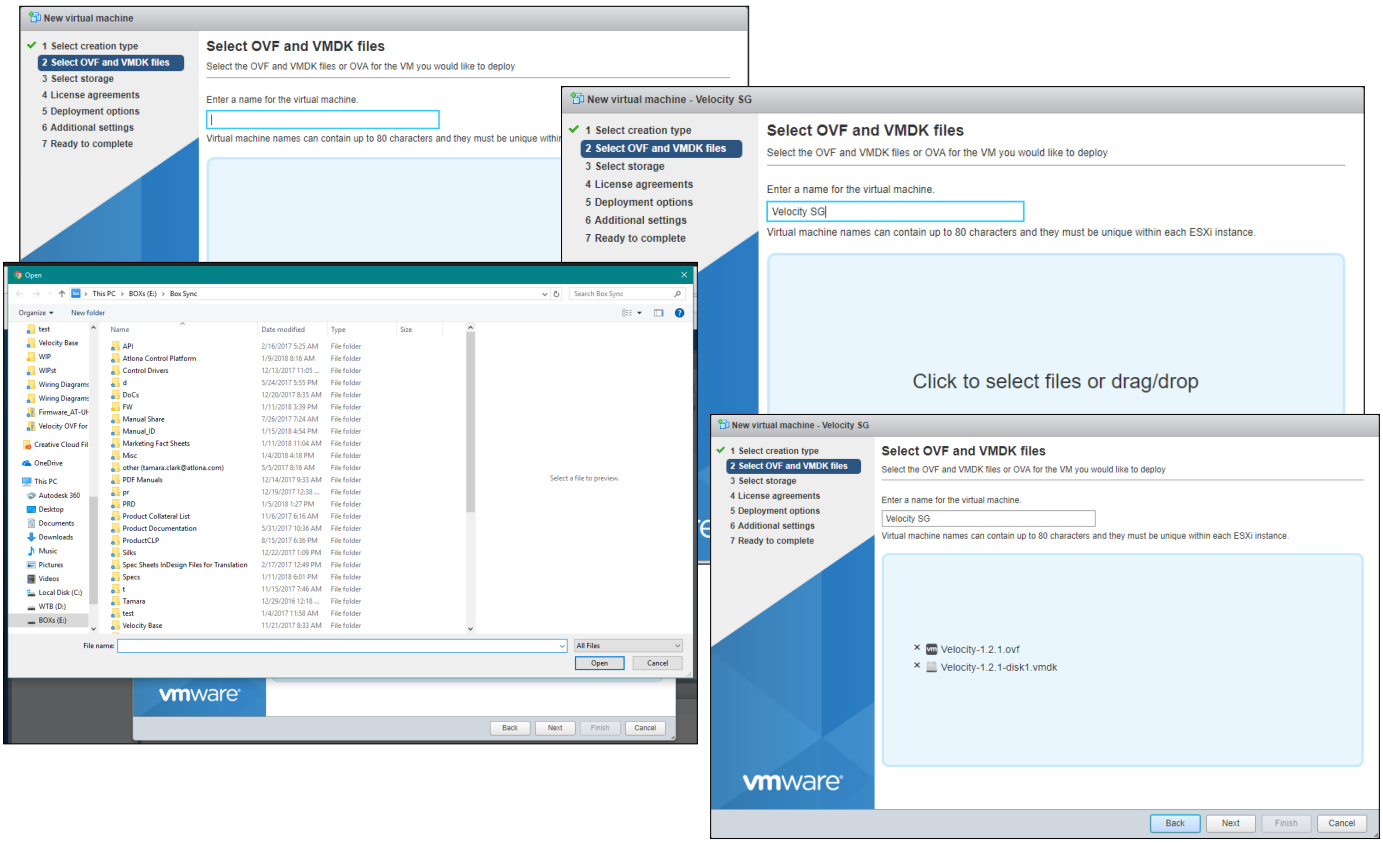


2. Select Create/Register VM from the top left corner of the Virtual Machines screen. A pop up will appear.

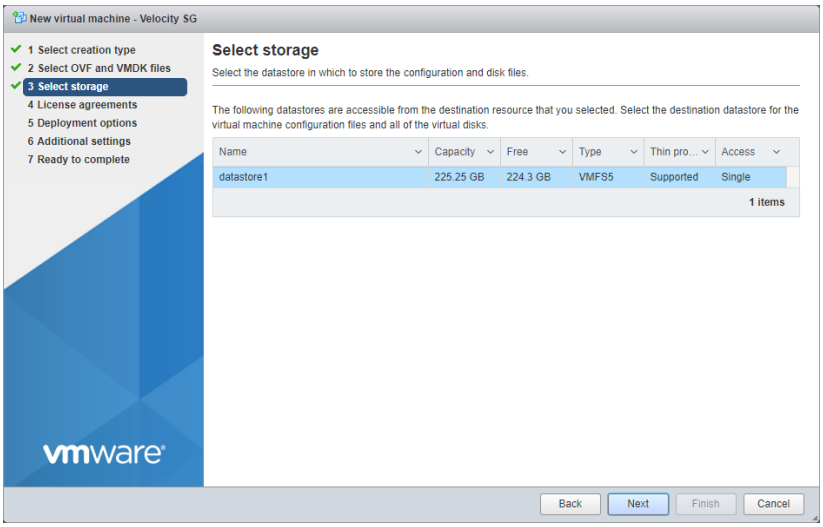




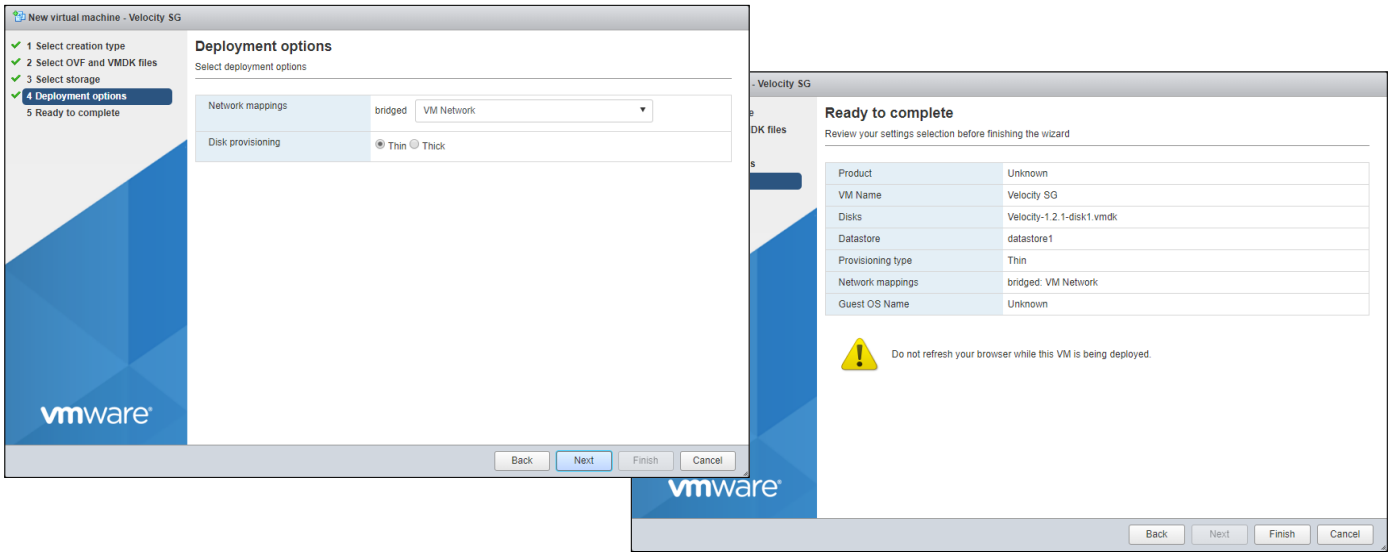
3. Select **Deploy a virtual machine from an OVF or OVA file** and press the **Next** button.



4. Name the virtual machine so that it is easy to see the differences between each virtual machine created.
5. Select the Velocity .ovf and .vmdk files from the local computer.
    a. Select the blue field to browse the local computer by directory to find the previously downloaded files.
    b. Drag and drop the files from a folder on the local computer into the blue field.
6. Select the Next button.



7. There will be only one option on this page. Select **Next** to proceed.



8. Select the network that Velocity will be connected to under Network mappings.

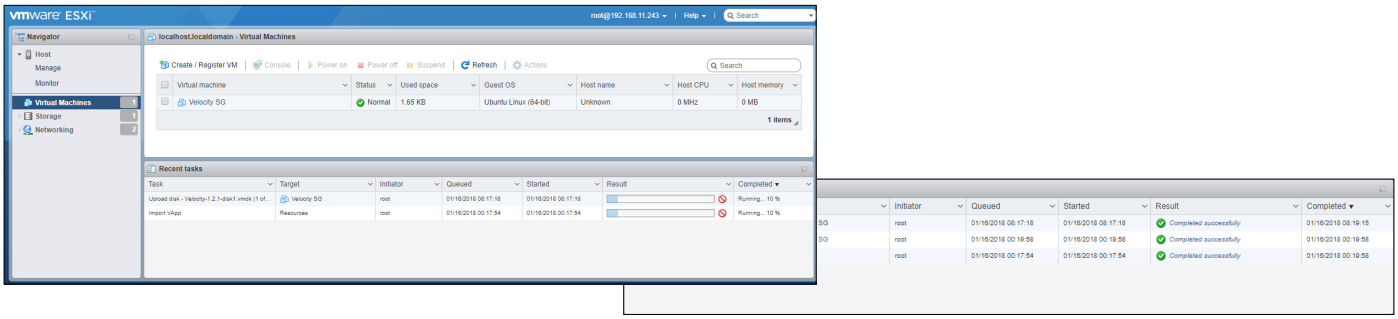
NOTE: The network selected should be the same network that the controlled devices are located.

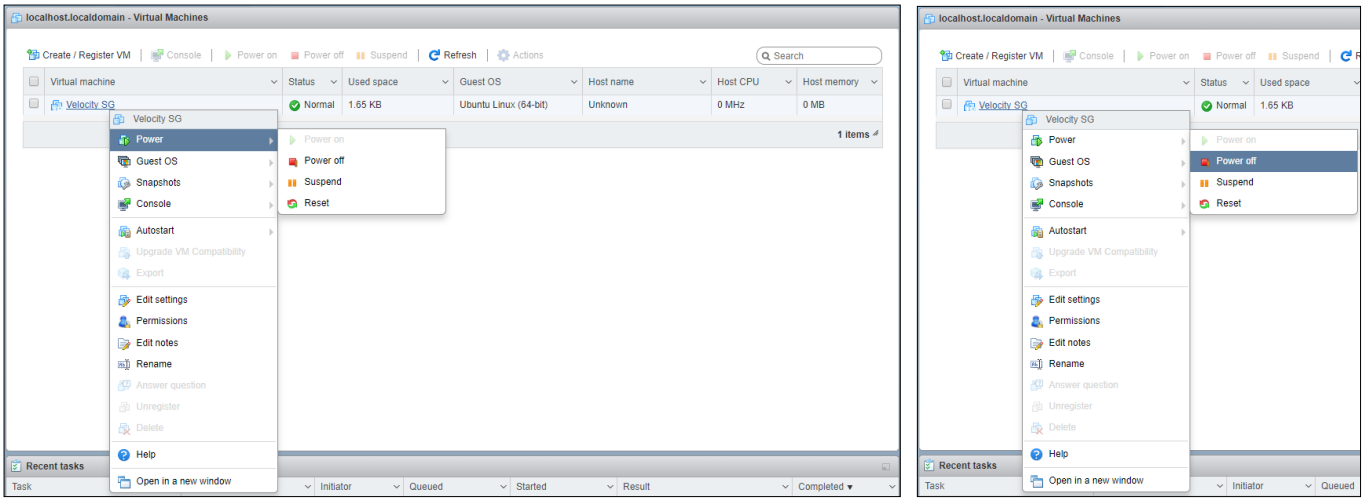
9. Select the type of disk provisioning that is best for the system.

NOTE: It is recommended that **Thin** is selected for disk provisioning. This will ensure no extra space is taken that isn't needed on the server.

10. Select **Next** once all options have been selected.

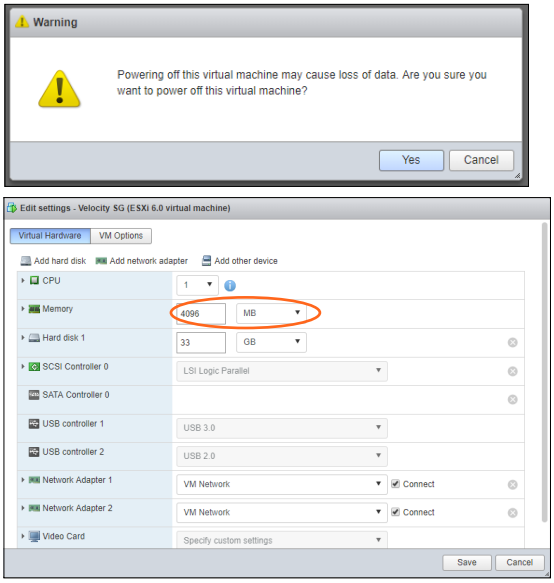
11. Select **Finish** to start building the Velocity virtual machine. The pop up will close and progress bars will display at the bottom of the Virtual Machines page.

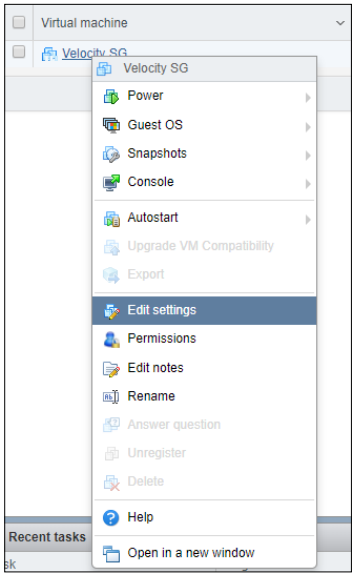




12. After the status bars show complete and the VM is powered on, right click the virtual machine and select **Power off** from the Power menu. A pop up will appear.

13. Select Yes from the pop up window.





14. Once the VM is powered off, right click on the name of the virtual machine and select **Edit settings**. A new pop up window will appear.

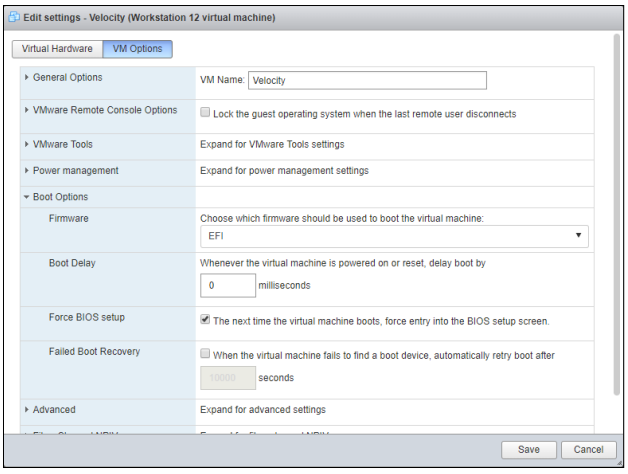
15. Change the Memory to 16 GB for up to 2500 licenses or 32 GB for up to 5000 licenses.

16. Select **VM Options** from the top tabs of the window.

17. Select **Boot Options** to expand the fields.

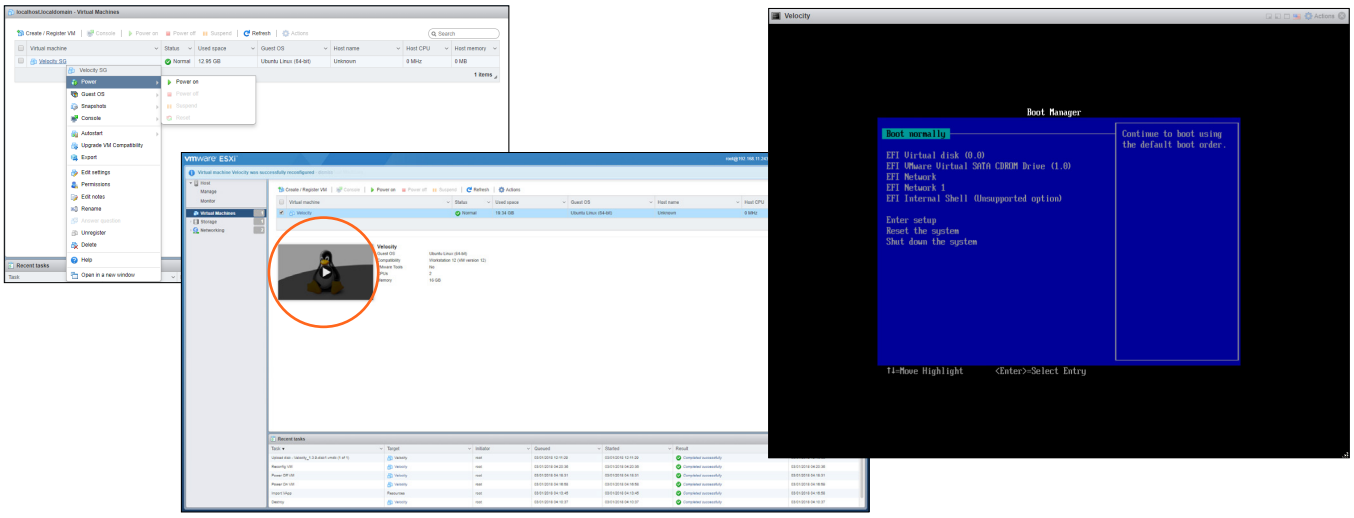
18. Find the **Force Bios setup** field and select the check box.

19. Press the **Save** button.



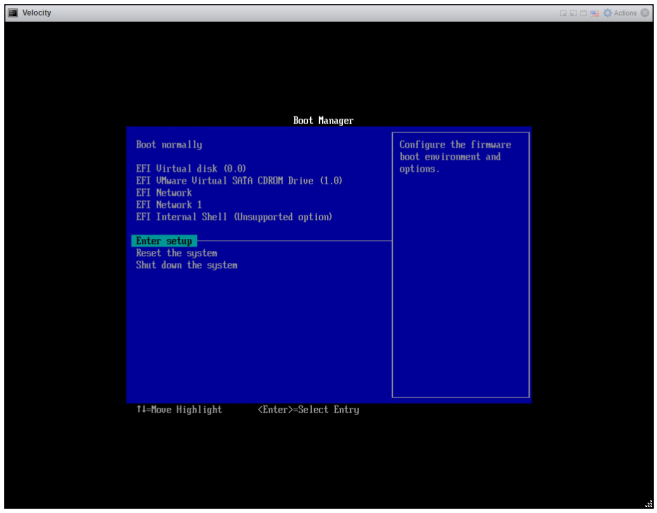
20. Once the settings are saved, right click the virtual machine and select **Power on** from the Power menu.

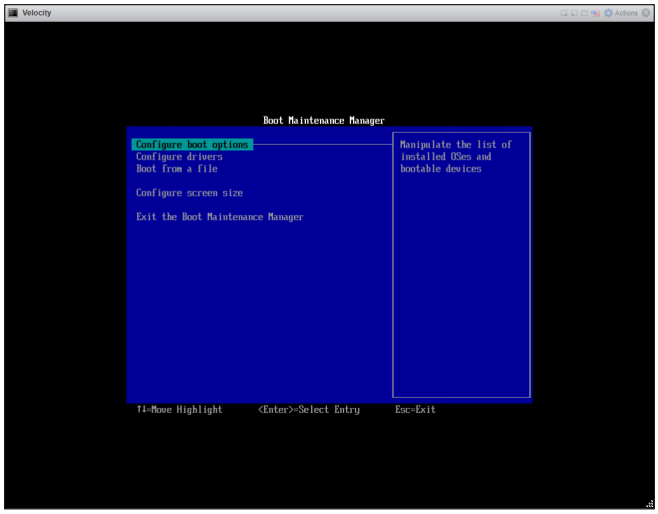
21. Once powered on, selecting the virtual machine will display the current look of the VM below. Select the virtual machine and press the base image to launch the virtual machine into BIOS setup.



22. Use the up and down arrows on the keyboard to move the selector to **Enter setup** and press the Enter key.

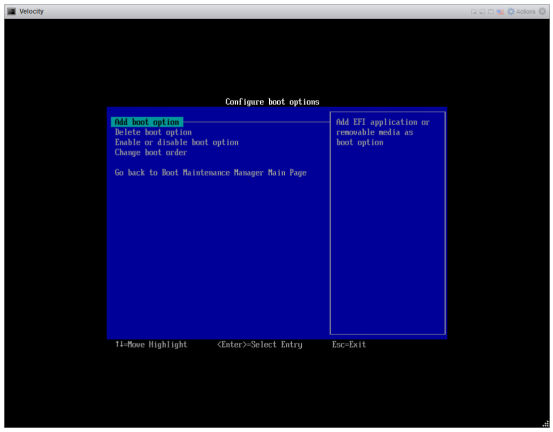
23. Press Enter to select **Configure boot options**.

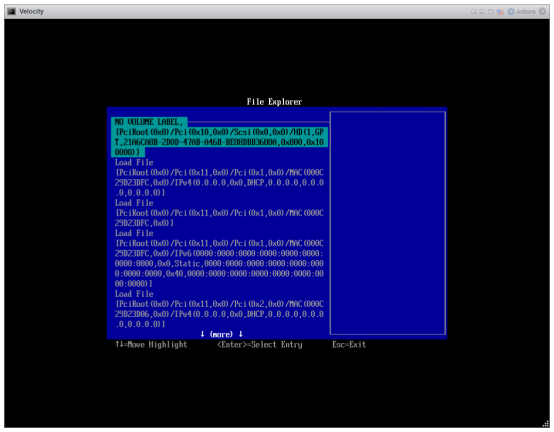




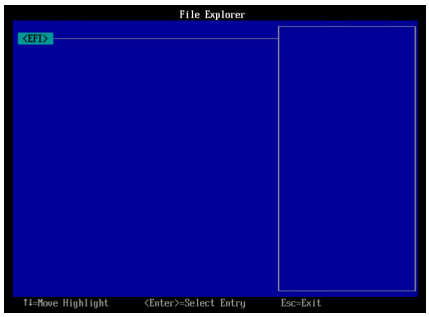
24. Press Enter again to select **Add boot option**.

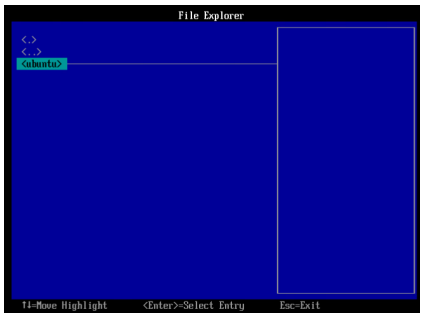
25. Select **NO VOLUME LABEL** using the Enter button on the keyboard.

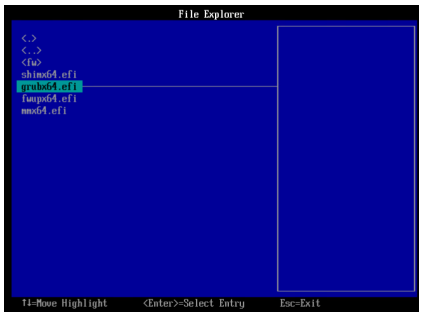




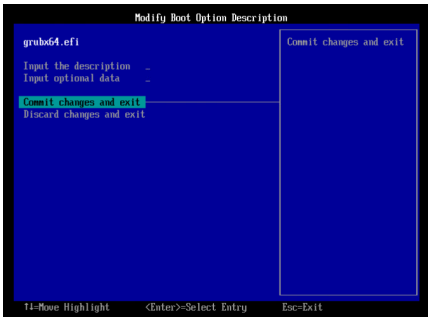
26. Press enter again to select **EFI**.
27. Use the arrow keys until **ubuntu** is highlighted then press Enter.
28. Move the selector to **grubx64.efi** and press Enter to select.

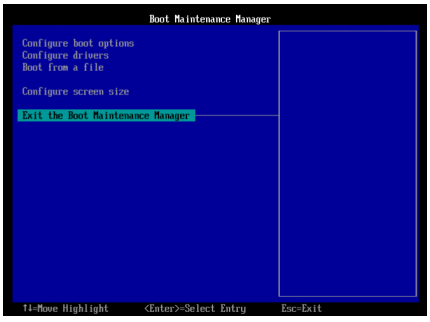


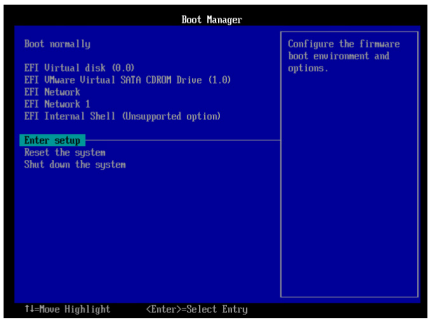




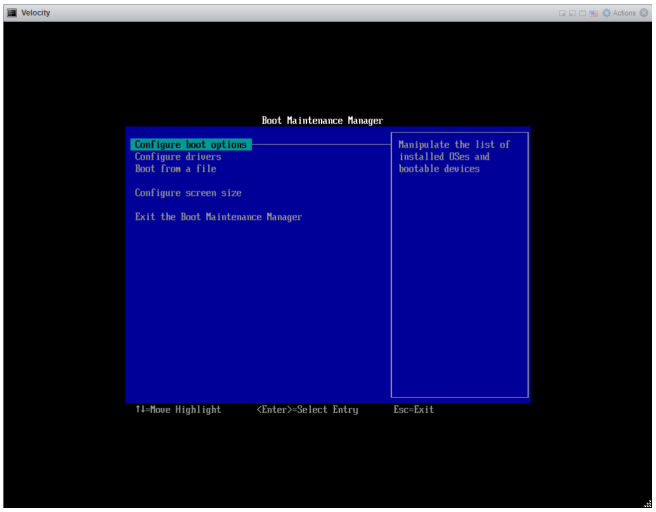
29. Move to the **Commit changes and exit** option and press Enter. Once changes have been saved it will return to the main BIOS screen.
30. Select **Exit the Boot Maintenance Manager**.
31. Select **Enter setup**.

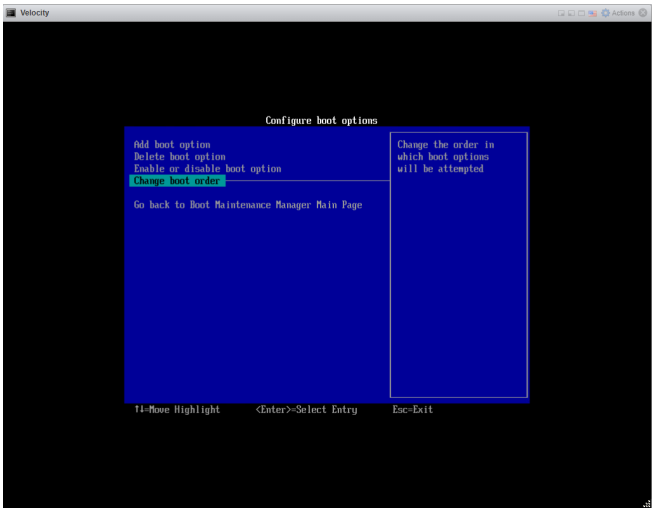






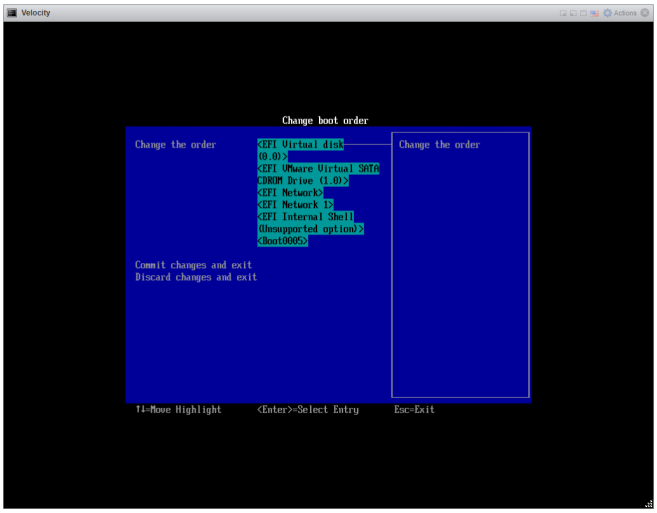
32. Press Enter to select **Configure boot options**.
33. Use the arrow keys to highlight **Change boot order** and press Enter to select.

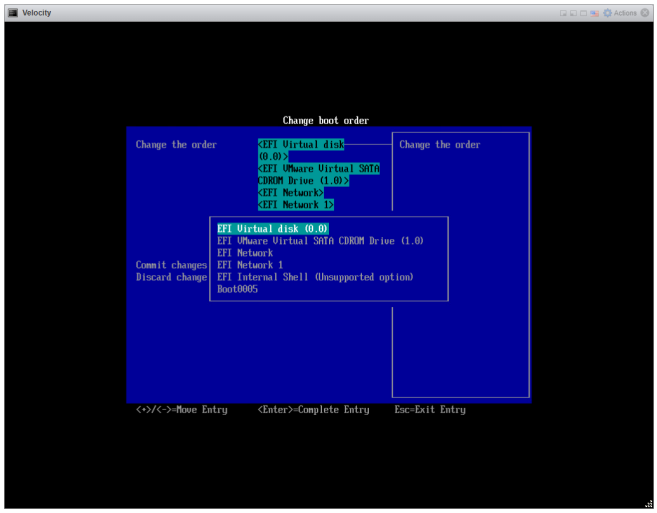




34. Press Enter open the boot order pop up.

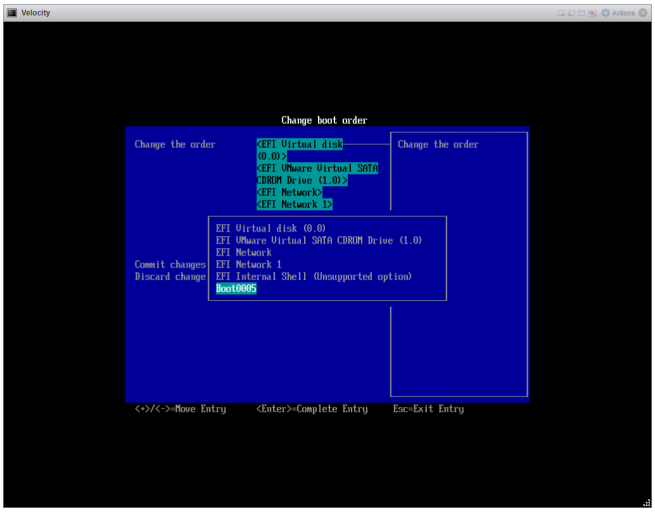
35. Use the arrow keys to move to the **Boot000#** option.

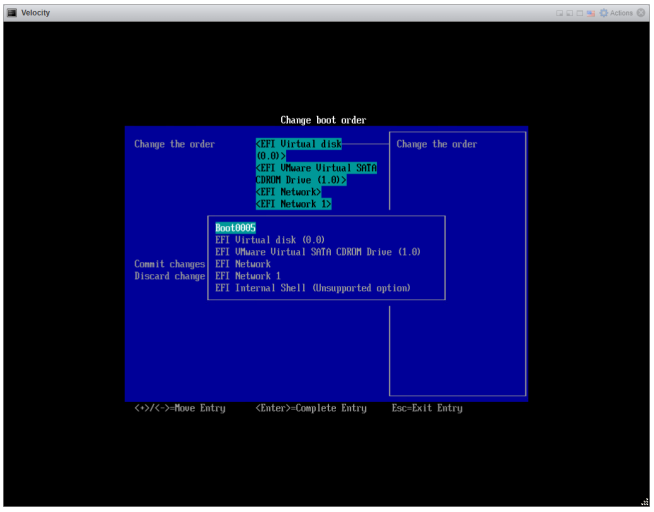




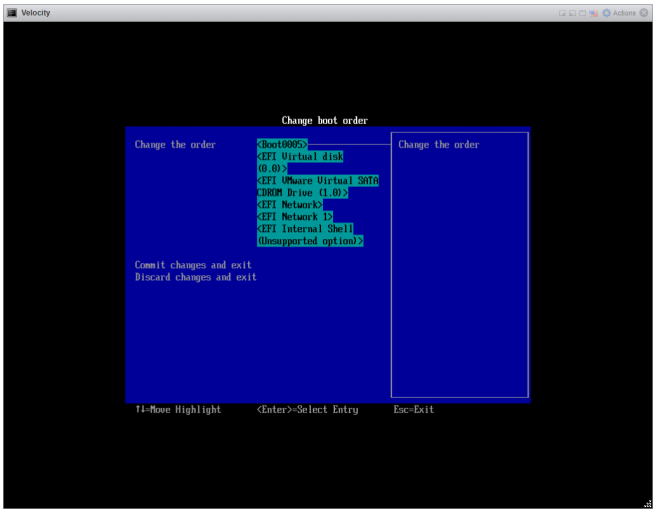
36. Using the + and - buttons, move the Boot000# option to the top of the list.

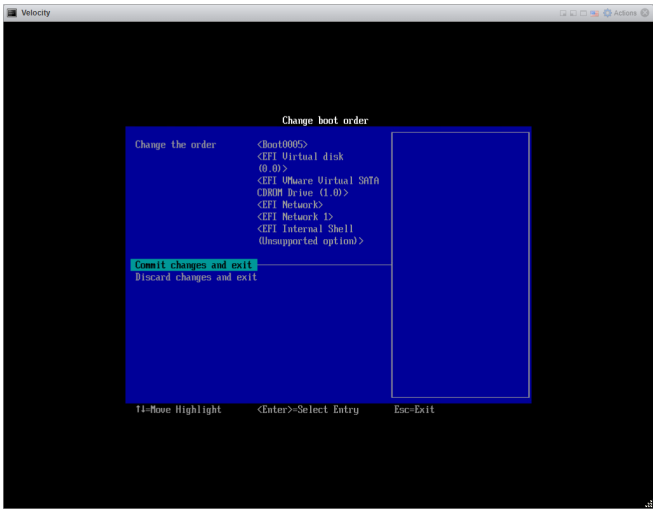
37. Press Enter to select the boot order.





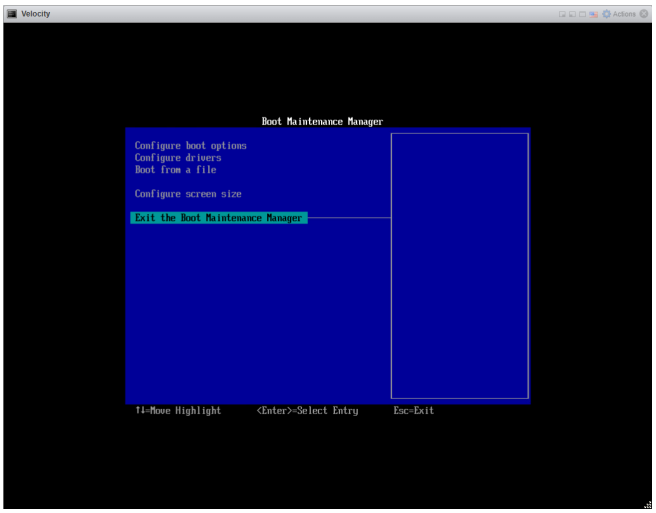
38. Use the arrow keys to move to **Commit changes and exit** and press Enter to select.

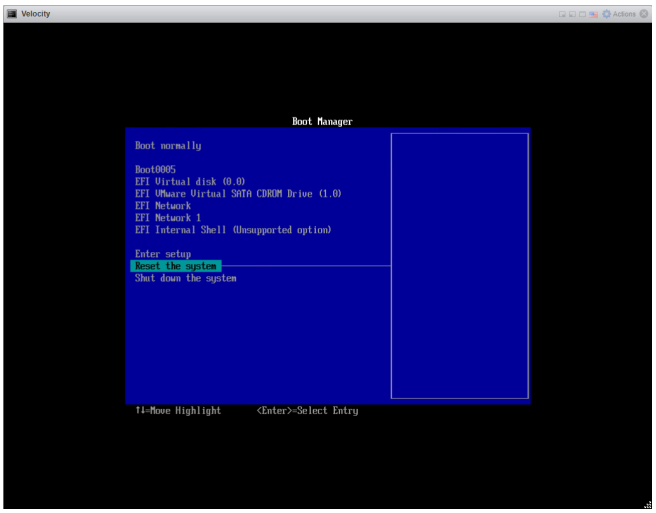




39. Select **Exit the Boot Maintenance Manager**.

40. Use the arrow keys to highlight **Reset the system** then press the Enter button on the keyboard.





Once the system has reset and the Atlona splash screen shows the IP address of the unit, use the Device IP #2 to log in and activate Velocity. See the Velocity user manual found at https://atlona.com/velocity-soft-control-gateway/ under resources for log in and activation instructions.