



**Knight Foundation
School of Computing
and Information Sciences**

Cybersecurity Focus

User Manual

Community-Powered Vulnerability Management

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GREENBONE ENTERPRISE TRIAL (OVA)

Oracle VirtualBox

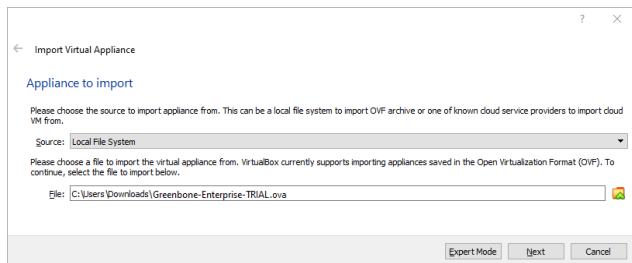
1. Instructions

Requirements

- Compatibility: Oracle VirtualBox 6.1 or higher
- Minimum requirements: 2 CPUs, 5 GB RAM
- Virtual network adapter with direct Internet connection
- **Note:** With default settings, the Greenbone Enterprise TRIAL uses bridged networking and expects an IP address from a DHCP server. This may be reconfigured.

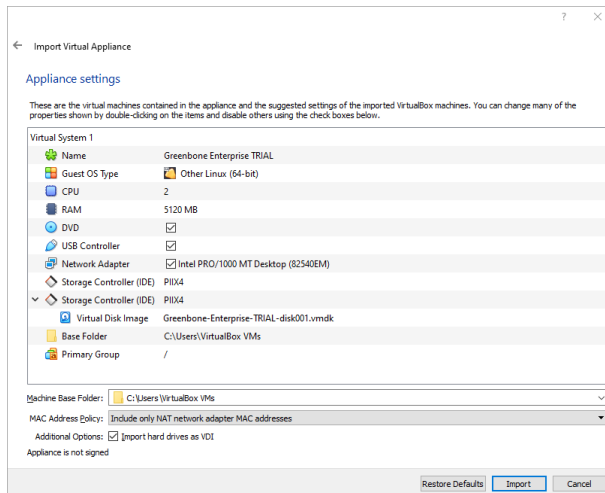
Importing the Greenbone Enterprise TRIAL

1. Download the OVA file of the Greenbone Enterprise TRIAL.
2. Download and install Oracle VirtualBox for the operating system used.
3. Start VirtualBox.
4. Select *File > Import Appliance...* in the menu bar.
5. Click  and select the OVA file of the appliance in the file system



6. Click *Next*.

→ The appliance settings are displayed.



7. Check the configuration of the virtual machine.

Values can be changed by double-clicking in the input field of the corresponding value.

8. Click *Import*.

→ The appliance is being imported. This process can take up to 10 minutes.

When the appliance has been imported, it will appear in the left column in VirtualBox.

9. Select the appliance in the list and click *Start*.

→ If an error message is displayed, continue with step 10.

If no error message is displayed, the GOS administration menu is opened and allows to proceed with the general system setup.

10. Select the appliance in the list and click *Settings*.

11. Select *Network > Adapter 1*.

12. Choose the correct network adapter in the drop-down list *Name*.

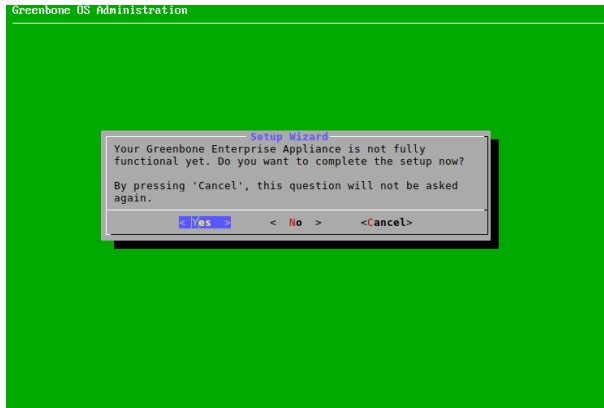
13. Click *OK*.

14. Select the appliance in the list and click *Start*.

→ The GOS administration menu is opened and allows to proceed with the general system setup.

Performing a General System Setup

1. Log in using the following login information:
2. User name: admin | Password: admin
3. → When logging in for the first time, the GOS administration menu displays the First Setup Wizard to help with the basic configuration of GOS.



2. Select *Yes* and press und Enter to open the Wizard.

Note: The wizard can be closed by selecting *No* and pressing Enter. Steps that have not yet been completed will be displayed again at the next login.

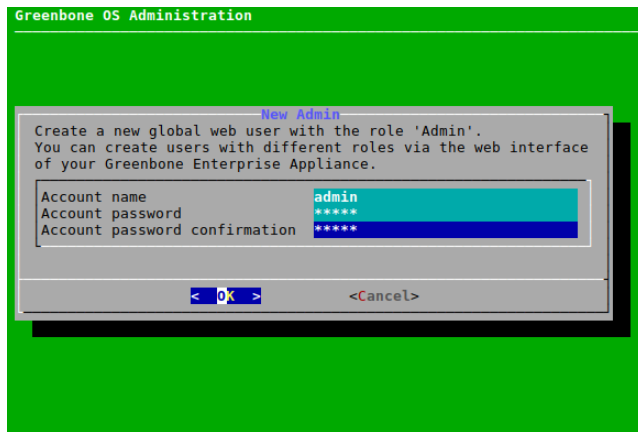
The wizard can also be closed by selecting *Cancel* and pressing Enter. In this case, however, incomplete steps will not be displayed again.

Any step can be skipped by selecting *Skip* or *No* and pressing Enter. Skipped steps will be displayed again at the next login.

→ It is asked whether a web user should be created. This is required to use the web interface.

Note: The first web administrator (web user) created is automatically the Feed Import Owner (more information about the Feed Import Owner here).

3. Select *Yes* and press Enter.
4. Enter the user name of the web administrator.



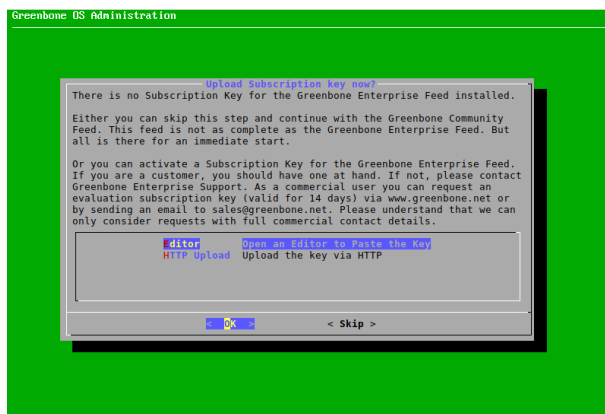
5. Enter the password of the web administrator twice.

6. Select *OK* and press Enter.

→ A message informs the user that the web administrator has been created.

7. Press Enter to close the message

Note: If no valid feed subscription key is stored on the appliance, the appliance only uses the public Greenbone Community Feed and not the Greenbone Enterprise Feed. A feed subscription key can be requested here.



The key can be entered or uploaded as follows:

8. Select *Editor* and press Enter.

→ The editor is opened.

9. Enter the subscription key.

10. Press Strg + X.

11. Press Y to save the changes.

12. Press Enter.

or

8. Select *HTTP Upload* and press Enter.

9. Open the web browser and enter the displayed URL.

10. Click *Browse*....

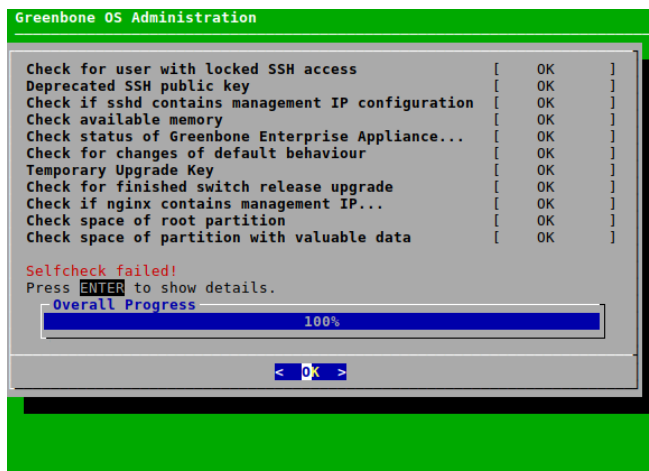
11. Select the subscription key in the file system.

12. Click *Upload*.

→ A message shows that the key has been imported successfully.

13. Press Enter.

After the last step, a status check is performed. A message shows the result.



Note: After closing the message by pressing Enter, the GOS administration menu can be used as described in the manual.

If there are any incomplete or skipped steps, the First Setup Wizard will reappear at the next login.

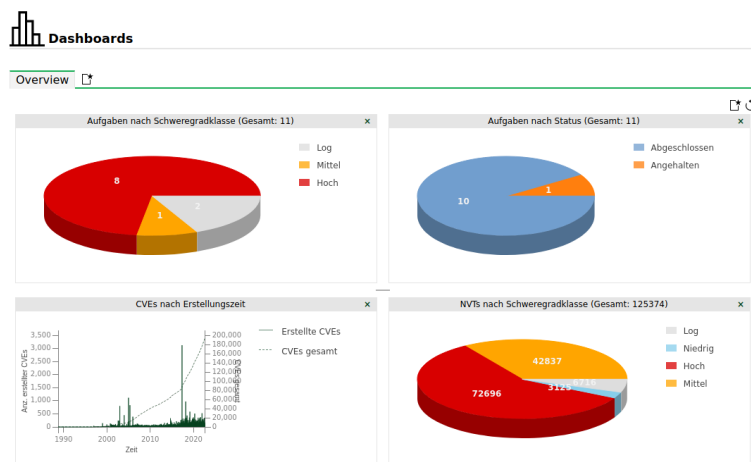
Accessing the Web Interface

The web interface can be accessed as follows:

1. Open the web browser.
2. Enter the IP address of the appliance's web interface.

Note: The IP address of the appliance's web interface can be displayed as follows:

- During the login to the GOS administration menu
 - By selecting *About* and pressing Enter in the GOS administration menu
3. Log in with the web administrator created during setup.
- The web interface is opened.



Additional Notes

- It is recommended to change the password of the GOS administrator as described in the manual.
- The Greenbone Enterprise TRIAL uses a self-signed TLS certificate. When logging in to the web interface, this is considered insecure by the web browser and must therefore be added to the web browser as an exception.
- Shutting down or restarting the virtual machine should only be done via the menu option *Maintenance > Power* in the GOS administration menu to ensure that important system processes, such as the feed update, are not interrupted.

GITLAB CI/CD

GitLab Documentation

Common terms

If you're new to GitLab CI/CD, start by reviewing some of the commonly used terms.

The `.gitlab-ci.yml` file

To use GitLab CI/CD, you start with a `.gitlab-ci.yml` file at the root of your project which contains the configuration for your CI/CD pipeline. This file follows the YAML format and has its own special syntax.

You can name this file anything you want, but `.gitlab-ci.yml` is the most common name.

In the `.gitlab-ci.yml` file, you can define:

- The tasks you want to complete, for example test and deploy your application.
- Other configuration files and templates you want to include.
- Dependencies and caches.
- The commands you want to run in sequence and those you want to run in parallel.
- The location to deploy your application to.
- Whether you want to run the scripts automatically or trigger any of them manually.

Runners

Runners are the agents that run your jobs. These agents can run on physical machines or virtual instances. In your `.gitlab-ci.yml` file, you can specify a container image you want to use when running the job. The runner loads the image, clones your project and runs the job either locally or in the container.

If you use GitLab.com, SaaS runners on Linux, Windows, and macOS are already available for use. And you can register your own runners on GitLab.com if you'd like.

If you don't use GitLab.com, you can:

- Register runners or use runners already registered for your self-managed instance.
- Create a runner on your local machine.

Pipelines

Pipelines are made up of jobs and stages:

- **Jobs** define what you want to do. For example, test code changes, or deploy to a staging environment.
- Jobs are grouped into **stages**. Each stage contains at least one job. Typical stages might be build, test, and deploy.

CI/CD variables

CI/CD variables help you customize jobs by making values defined elsewhere accessible to jobs.

They can be hard-coded in your `.gitlab-ci.yml` file, project settings, or dynamically generated.

CI/CD components

A CI/CD component is a reusable single pipeline configuration unit. Use them to compose an entire pipeline configuration or a small part of a larger pipeline.

Project Specific

The Security Scanner Project contains a `README.md` file that has more instructions specific for the project.