



roger-skyline-1

How to properly drink shots

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Summary: This document is an initiation to system and network administration.

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Chapter I

Foreword

The history of Jägermeister starts with Wilhelm Mast, who was a vinegar manufacturer and wine trader in the city of Wolfenbüttel, Germany. His son, Curt Mast, born in 1897, was passionate about the production of spirits and liqueurs, always keen to help his father in the business even at an early age. When he was 37 years old, after he successfully took over his father's business, Curt Mast finally came up with the recipe for his new herbal liqueur, which he called Jägermeister, in 1934.

Curt Mast, the original distiller of Jägermeister and son of the founder Wilhelm, was an enthusiastic hunter. The name literally translated means "Master Hunter", "Hunt Master" or "master of the hunt". It is a title for a high-ranking official in charge of matters related to hunting and gamekeeping. The term Jägermeister had existed as a job title for many centuries. It was redefined in 1934 in the new Reichsjagdgesetz (Reich Hunting Law), which applied the term to senior foresters, game wardens, and gamekeepers in the German civil service. Hermann Göring was appointed Reichsjägermeister (Reich Hunting Master) when the new hunting law was introduced. Thus, when Jägermeister was introduced in 1935, its name was already familiar to Germans—it was sometimes called "Göring-Schnaps."

Jägermeister came to greater international attention particularly through the work of Sidney Frank, who ran an American liquor import company. He promoted the drink at the youth and student market, as a drink for parties, a quite different niche to its traditional conservative brand position in its native market. New York magazine quoted a market research firm as describing him as a 'promotional genius' for making "a liqueur with an unpronounceable name... drunk by older, blue-collar Germans as an after-dinner digestive aid... synonymous with 'party'." The Mast-Jägermeister company ultimately purchased Sidney Frank Importing in 2015.

In 2012, Jägermeister launched premixed drinks as a brand extension. The drinks come in two flavours, "raw" and "ginger lime".

Here's the Jägerbomb version of Slash16:

In a normal glass, drop 15cl of Red Bull.
Then in two shot glasses, drop 4cl of Jägermeister in each glasses.
Put the two shot glasses into the normal glass in order that the two shot glasses doesn't touch the Red Bull.
To drink it, take a shot from one of the two shot glasses, let the second one fall into the normal glass, then take the other shot in last.

Congrats, you've made it ! Now get back to work and good luck !

Kisses and chocolate,

Slash16 Team



Chapter II

Introduction

Slash16 is a network of peoples who are passionate by system and network administration and/or DevOps.

This subject follows Init where you have learn some of basics commands and first reflexes in system and network administration. This one will be a concrete exemple of the use of those commands and will let you start your own first web server. This is why we've decided to offer you three subjects and not two (Surprise!)

- Initiation subject (Init).
- A subject about VM creation (Roger-Skyline-1).
- A subject about the creation of a full infrastructure (Roger-Skyline-2).

You will also find some videos in the e-learning of your intra to learn basic notions.

Chapter III

Objectives

This subject aims to initiate you to the basics about system and network administration and let you access to the infra subject `roger-skyline-2`.

This second project, `roger-skyline-1` let you install a Virtual Machine, discover the basics about system and network administration as well as a lots of services used on a server machine.

So take a shot and sit down. Today you will learn how to configure a web server.

Chapter IV

General Instructions

Few rules on this project, but important ones:

- You can choose which Linux OS you want to use in this subject. No use of techs like Traefik, no containers like Docker/Vagrant/etc...
- Only validate the mandatory part will grant you the minimum grade for the validation of the project.



Before you start, we recommend you to read the entire subject.

Chapter V

Mandatory Part

V.1 Be more than friends !

Follow Slash16 on [Facebook](#), [Twitter](#) and [Linkedin](#).

V.2 VM Part

You have to run a Virtual Machine (VM) with the Linux OS of your choice (Debian Jessie, CentOS 7...) in the hypervisor of your choice (VMWare Fusion, VirtualBox...).

- A disk size of 8 GB.
- Have at least one 4.2 GB partition.
- It will also have to be up to date as well as the whole packages installed to meet the demands of this subject.

V.3 Network and Security Part

For the network on your VM, here are the steps to achieve:

- You must create a non-root user to connect to the machine and work.
- Use sudo, with this user, to be able to perform operation requiring special rights.
- We don't want you to use the DHCP service of your machine. You've got to configure it to have a static IP and a Netmask in \30.
- You have to change the default port of the SSH service by the one of your choice. SSH access **HAS TO** be done with publickeys. SSH root access **SHOULD NOT** be allowed directly, but with a user who can be root.
- You have to set the rules of your firewall on your server only with the services used outside the VM.
- You have to set a DOS (Denial Of Service Attack) protection on your open ports of your VM.
- You have to set a protection against scans on your VM's open ports.
- Stop the services you don't need for this project.
- Create a script that updates all the sources of package, then your packages and which logs the whole in a file named /var/log/update_script.log. Create a scheduled task for this script once a week at 4AM and every time the machine reboots.
- Make a script to monitor changes of the /etc/crontab file and sends an email to root if it has been modified. Create a scheduled script task every day at midnight.

Chapter VI

Optional Part

VI.1 Web Part

You have to set a web server who should **BE** available on the VM's IP or an host (init.login.com for exemple). About the packages of your web server, you can choose between Nginx and Apache. You have to set a self-signed SSL on all of your services.

You have to set a web "application" from those choices:

- A login page.
- A display site.
- A wonderful website that blow our minds.

The web-app **COULD** be written with any language you want.

VI.2 Deployment Part

Propose a functional solution for deployment automation.

Chapter VII

Bonus Part

No bonuses with this subject, validate it fast to finally start the real stuff: `roger-skyline-2`.

Chapter VIII

Submission and peer-evaluation

Make your work on your repo as usual. For obvious reasons you do not return your virtual machine but a checksum of your disk image. You can do this using a command like: `shasum < disk.vdi`. Keep your disk image somewhere so that you can make your peer-evaluation.