How to install LUKS encrypted Ubuntu 18.04.x Server and enable remote unlocking

Hamy

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> Much has been changed since my last post about LUKS remote unlock workaround (Particularly, The bug is finally fixed in cryptsetup 2:2.0.2-1ubuntu1.1 and no more workaround is needed)
>
> This, is the updated version on how to set things up properly.

In this post, I'm going to show you needed steps and downfalls on running a LUKS encrypted Ubuntu Server setup and how it can be extended to allow remote unlocking.

Prerequisites

1. A server to install on
2. Static public IP address
3. The so called *Alternative Ubuntu Server installer*[1]
4. Some patience 🙂

Installing and Setting up encrypted LVM

It is assumed that you already know your way around ISO files and how to boot them on your server.

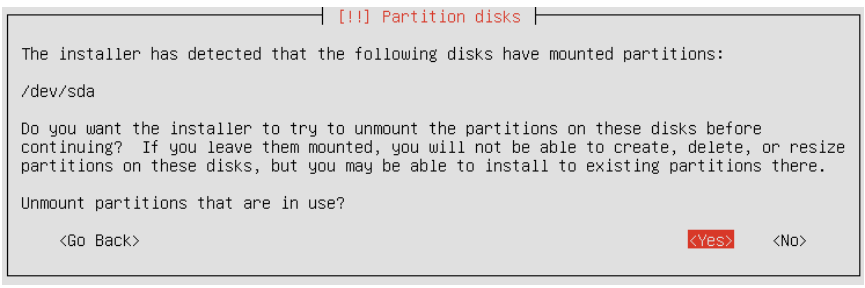
We will also use the simplest possible setup: A server with a single disk

> These steps would completely remove any leftover partitions and their associated data on the drive without the possibility to recover. Consider yourself warned!

We are going to use LVM inside the LUKS container, it is not only supported, but the recommended way as we could also make use of advanced LVM functionalities later on.

Follow the installation until you reach the disk partitioning section:

1. The disk might need to be unmounted first:



2. choose *Guided – use entire disk and setup encrypted LVM* option:

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