1.7 TrueNas Scale

This book discusses everything related to TrueNas Scale. How to set it up, how to install apps, do backups and lots more.

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1.7.1 TrueNas

TrueNas is by far one of the most famous NAS systems out there. It is all open source and offers next to its NAS WebGui also a workflow of directly deploying docker applications from their WebGui. However, it is not just one click and deploy you do need to have some understanding of docker compose files, volumes, ports etc. On top of that you need to learn the way TrueNas handles app deployments. But hey, this could be your thing who knows ;) However in this chapter we will purely explain how to set it up as a NAS, NFS shares, Notifications and how it will handle backups for us.

1. TrueNas VM Installation

2. Dataset Creation

3. NFS Shares

4. Notifications and Alerts

There are many different ways you could receive notifications and alerts from your TrueNas VM. However, for me the easiest would be to setup Email. I would love to have use Ntfy but unfortunately it is not supported so far.

Application Update Available -> WARNING

3. Networking

This chapter discusses the networking capabilities in TrueNas Scale

1. Management VLAN

2. Bridge Networks

1. Installation

1. Flash USB Drive

2. dd

2. Users

1. Setup a new Group

Now, TrueNas just as Proxmox allows you to create different users and groups with different permissions. It can get pretty advanced but we will just set the basics. The first group that we would like to create is the group with GPID:1000. The reason that we do this is because if you will setup Dataset NFS shares to your Proxmox VM's it is handy to have the same group ID and user ID for permissions. The reason we do 1000 is because linux assigns 1000 to the first non root group and user by default.

We start by creating a group in TrueNas scale because we can then assign that group to the user we will create afterwords.

1. Go to Credentials > Groups
2. Change the GID from 3000 > 1000
3. Create a group name. I would recommend to use the same group and username you use for your VM's
4. For privileges you can choose **local administrator** for now s.t it will become the new root user of your TrueNas instance instead of truenas_admin
5. Then simply hit save

2. Setup a New User

Now that the group has been created you can add users to this group. Simply go again to Credentials > Users > + Add

1. Now the first user you should create as discussed is the user with ID: 1000. This is the first user different from the truenas_admin user.
2. Simply go to