

NAS installation and configuration

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SUMMARY

1. Installation
2. Configuration

I. Installation

Install Synology DSM 7.1 in synology.com

- In site go to DVA1622
- Download synology.geminilake_dva1622.pat

↳	synology_demerton_dva3221.pat	Tue, 18 Oct 2022 11:22:41 GMT
↳	synology_demerton_rs2418+.pat	346.99MB
↳	synology_demerton_rs2418rp+.pat	346.98MB
↳	synology_demerton_rs2818rp+.pat	347.03MB
↳	synology_demerton_rs820+.pat	346.97MB
↳	synology_demerton_rs820rp+.pat	347.01MB
↳	synology_eavnsport_214play.pat	315.97MB
↳	synology_eavnsport_415play.pat	315.94MB
↳	synology_geminilake_1520+.pat	346.71MB
↳	synology_geminilake_220+.pat	346.68MB
↳	synology_geminilake_420+.pat	346.4MB
↳	synology_geminilake_720+.pat	355.49MB
↳	synology_geminilake_920+.pat	364.19MB
↳	synology_geminilake_dva1622.pat	342.23MB
↳	synology_grantley_fs3017.pat	355.09MB
↳	synology_kvmx64_virtaldsm.pat	329.09MB
↳	synology_monaco_ds216play.pat	287.35MB
↳	synology_purley_fs6400.pat	362.48MB
↳	synology_purley_hd6500.pat	360.39MB
↳	synology_r1000_1522+.pat	345.64MB
↳	synology_r1000_s422+.pat	345.56MB
↳	synology_rtd1296_ds118.pat	296.33MB
↳	synology_rtd1296_ds218.pat	300.13MB
↳	synology_rtd1296_ds218play.pat	296.61MB

Install automated redpill loader in github

- Download VMKD file

Contributors

fbelavenuto and sumingyd

Assets 6

- arpl-1.1-beta2a.img.zip 130 MB 2 weeks ago
- arpl-1.1-beta2a.vmdk-dyn.zip 129 MB 2 weeks ago
- arpl-1.1-beta2a.vmdk-flat.zip 130 MB 2 weeks ago
- update.zip 57.7 MB 2 weeks ago
- Source code (zip) 2 weeks ago
- Source code (tar.gz) 2 weeks ago

10 1 2 12 people reacted

last month

fbelavenuto v1.1-beta2 a4d94d5 Compare

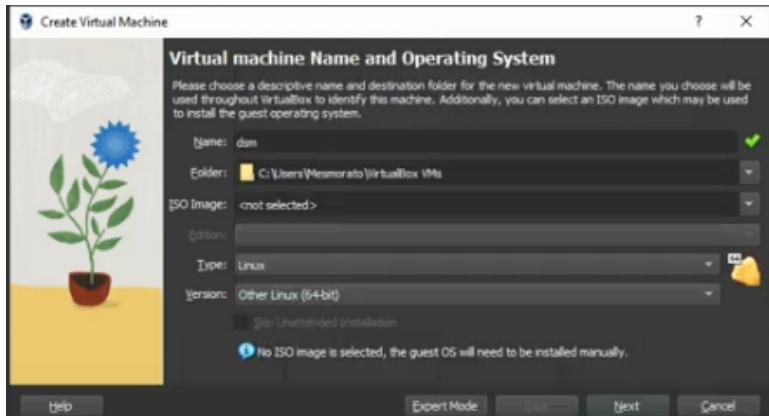
v1.1-beta2

What's Changed

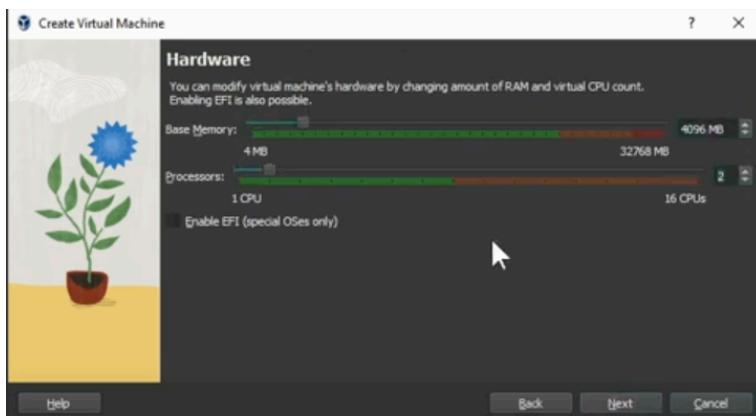
- Adding RTL8139 module to ARPL kernel by @fbelavenuto in #587
- Dev by @fbelavenuto in #592

Install virtual machine in VirtualBox

- Create VM with Linux OS and select Other Linux for version



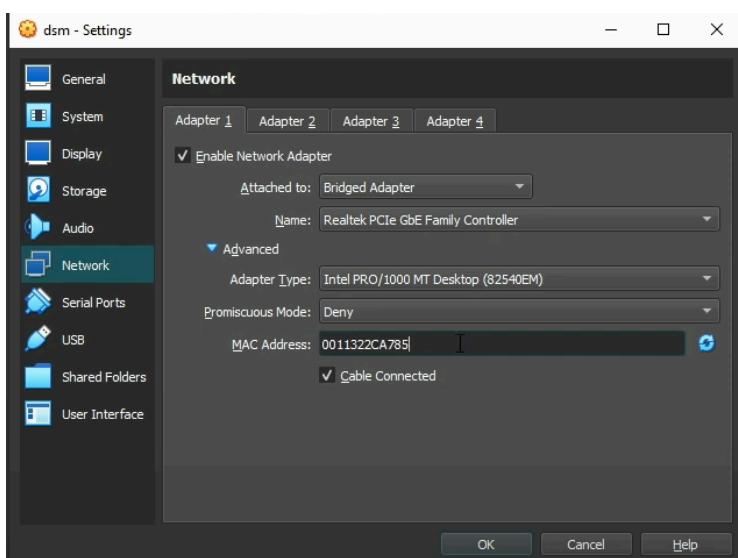
- Select this hardware settings



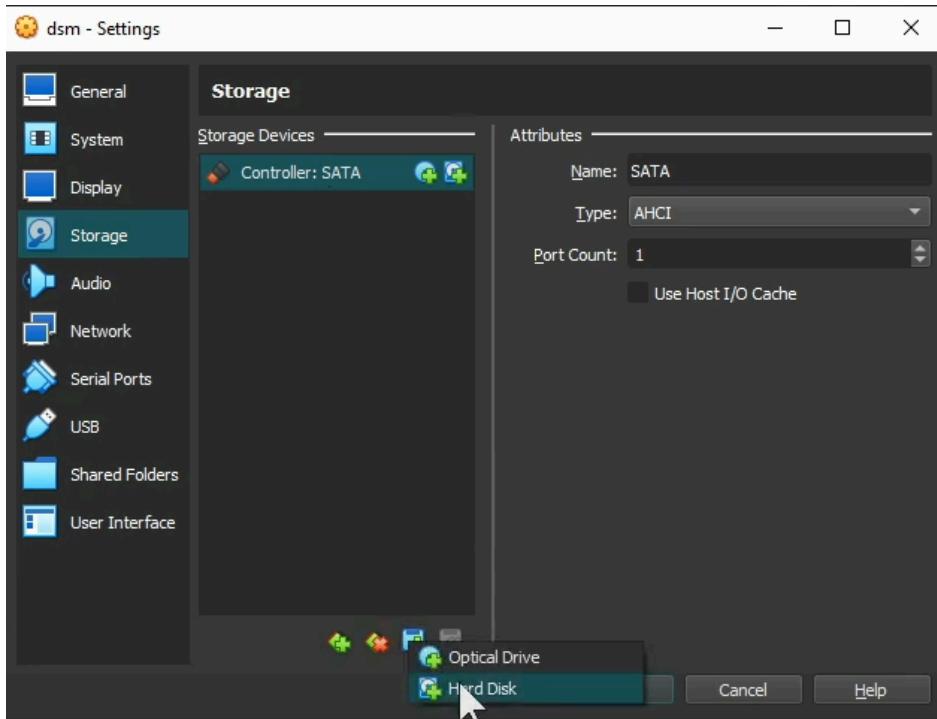
- Do not add a virtual hard disk



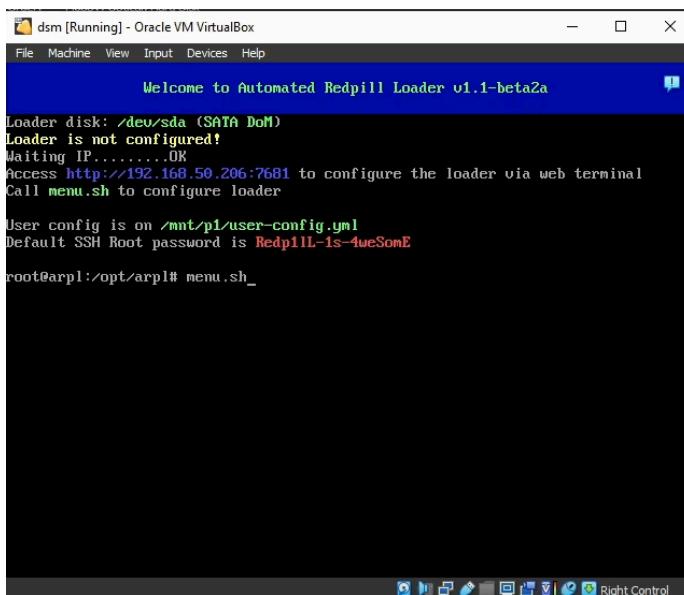
- In Network settings add MAC address “ 0011322CA785 ”



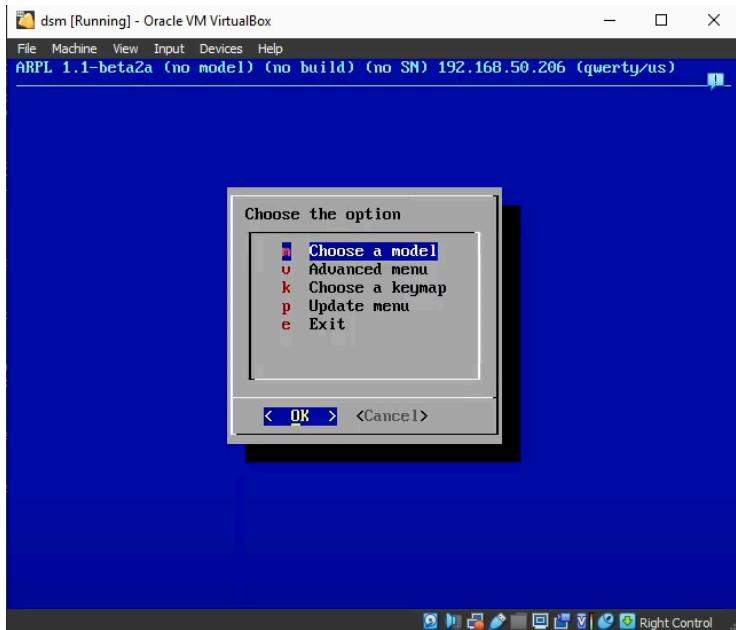
- In storage settings add Hard Disk



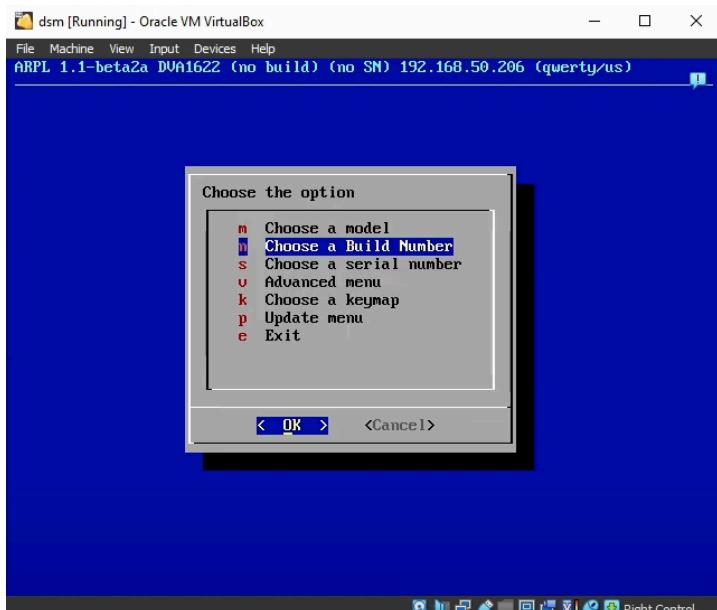
- Click in Add disk and select automated redpill loader
- In same setting create 4 HDD to set up RAID1
- Launch VM
- Type menu.sh to start configuration



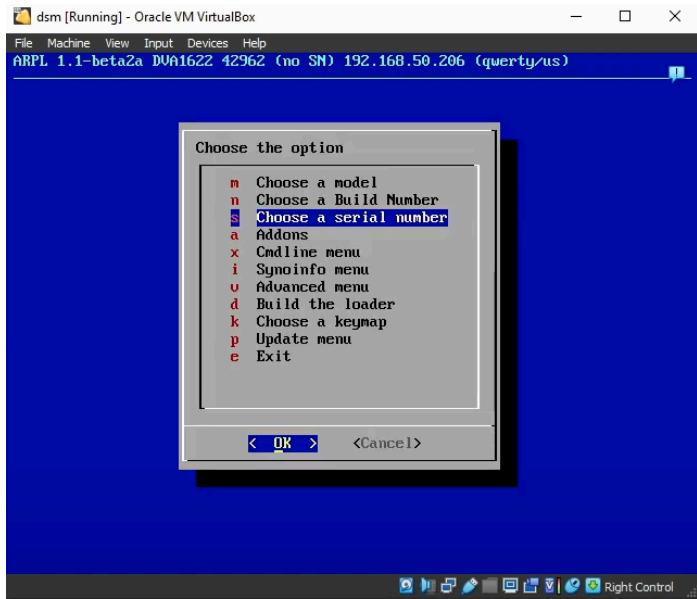
- Select Choose a model and after DVA1622



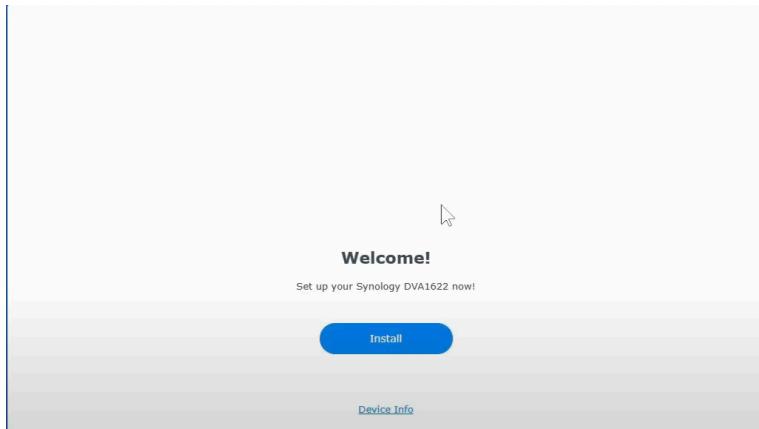
- In this setting select 42962



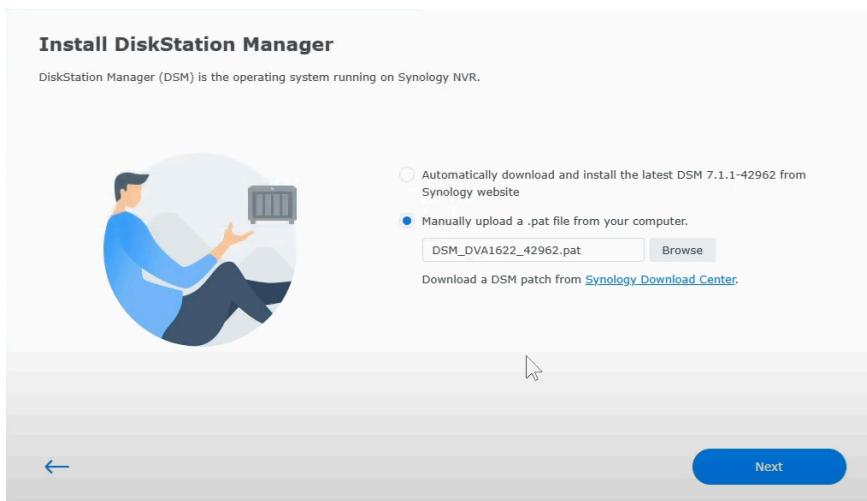
- After select “ Choose a serial number” and “generate a random serial number”



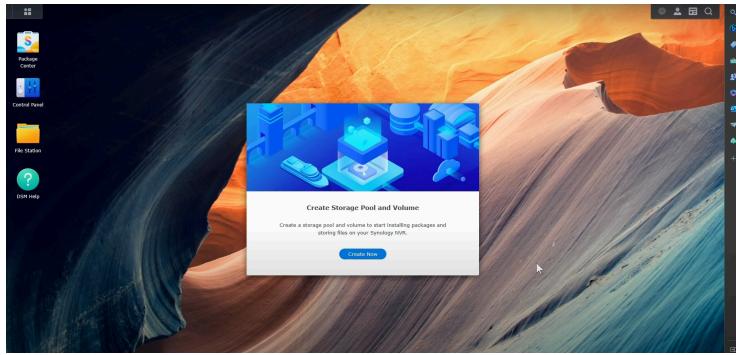
- Finally select Build the loader
- After downloading Select Boot the loader
- Now you have IP address
- Take it in Chrome or other
- Click on Install



- Put DSM file install before



- After installation configure admin password
- Congratulations you have NAS



II. Configuration

RAID 1

- In storage management go to storage and click in add



Assistant de création de stockage - Configurer la propriété du groupe de stockage

RAID 1 est une technologie de stockage de données qui regroupe plusieurs disques dans un groupe de stockage. Chaque type de RAID offre différents niveaux de performance, de capacité de stockage et de fiabilité.

Type de RAID : RAID 1

Nombre minimal de disques : 2
Tolérance aux pannes du disque : Nombre total de disques utilisés - 1

RAID 1 est généralement mis en place avec deux disques. Les données sur les disques durs sont dupliquées en miroir, procurant une tolérance de panne en cas de défaillance de disque. Les performances de lecture sont accrues tandis que les performances d'écriture sont similaires à celles d'un seul disque. Le système peut supporter une panne sans perte de données. RAID 1 est souvent utilisé lorsque la tolérance aux pannes est capitale, alors que la capacité et les performances ne constituent pas des besoins essentiels. Notez que la capacité d'un groupe de stockage RAID 1 ne peut pas être étendue par l'ajout de disques.

Description du groupe de stockage (facultatif) :

Retour Suivant

- Select all disk
- Click on Max button

Assistant de création de stockage

Allouer la capacité de volume

Groupe de stockage : Groupe de stockage 1 (RAID 1)

Capacité totale : 21.8 GB

Capacité disponible : 21 GB

Modifier la taille allouée : 21 i

Description du volume (facultatif) :

Retour Suivant

- Click on install and now you have RAID1 in your NAS

Backing up GLPI on the NAS

- cp -v -n /var/lib/glpi/files/_dumps /Docs/sauvegarde
- cp for copying, -v to validate, -n for incremental, the file links, the destination link

We use CRONTAB for the task scheduler on debian