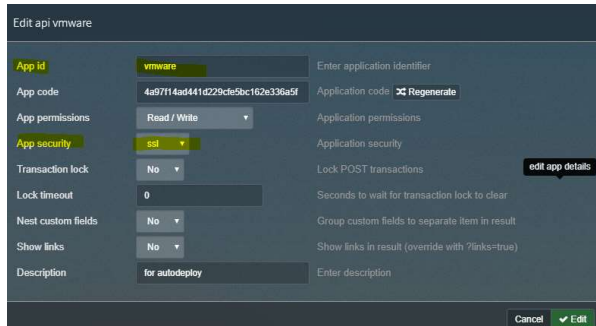# Ipam
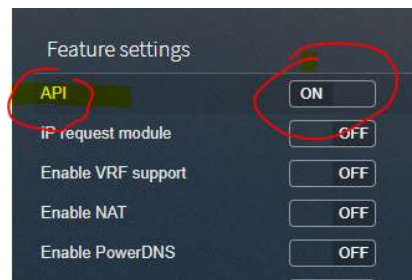
Montag, 11. November 2019   15:41

phpIPAM IP address management [v1.3.2] rev003

Create a APP ID with ssl security, in my case "vmware"
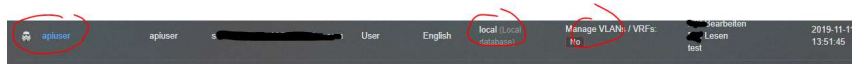
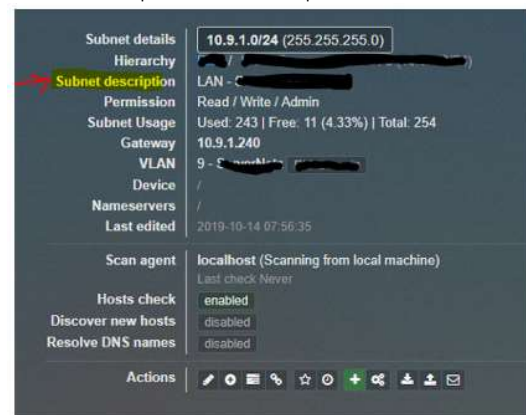| Edit api vmware			
App id	vmware	Enter application identifier	
App code	4a97f14ad441d229cfe5bc162e336a5f	Application code ⚡ Regenerate	
App permissions	Read / Write ▼	Application permissions	
App security	ssl ▼	Application security	
Transaction lock	No ▼	Lock POST transactions	edit app details
Lock timeout	0	Seconds to wait for transaction lock to clear	
Nest custom fields	No ▼	Group custom fields to separate item in result	
Show links	No ▼	Show links in result (override with ?links=true)	
Description	for autodeploy	Enter description	
			Cancel ✔ Edit

Enable API Access

Feature settings

API	ON
IP request module	OFF
Enable VRF support	OFF
Enable NAT	OFF
Enable PowerDNS	OFF

Local User for API Access

In my case
User "apiuser"
Password "apiuser123"

👤 apiuser	apiuser	s▬▬▬▬▬	User	English	local (Local database)	Manage VLANs / VRFs: No	Bearbeiten Lesen test	2019-11-11 13:51:45

The Subnet Descriptionis used in the script to find the correct vlan

Subnet details	**10.9.1.0/24 (255.255.255.0)**
Hierarchy	/
Subnet description	LAN - C▬
Permission	Read / Write / Admin
Subnet Usage	Used: 243 | Free: 11 (4.33%) | Total: 254
Gateway	10.9.1.240
VLAN	9 - S▬▬▬N▬▬
Device	/
Nameservers	/
Last edited	2019-10-14 07:56:35
Scan agent	localhost (Scanning from local machine) Last check Never
Hosts check	enabled
Discover new hosts	disabled
Resolve DNS names	disabled
Actions	🖊 ⊙ ▤ ⚲ ☆ ⊙ ➕ ⚙ ⬇ ⬆ ✉

```
-------------------------------------------
  Configure the variables
-------------------------------------------
   #phpipam Info
   $phpipamURL = "https://myphpserver001"        #Phpipam Base URL
          #Encrypted CredFile for Phpipam
   $phpipamAppID = "vmware"               #AppID in svrphpipam S
   $Description = "Created by deployscript"       #Tag for each Entr
   $phpuser = "apiuser"
   $PHPcred = "apiuser123"

   $portgroup = "LAN - your network in phpipam"   #Discripton of your


   $matchVMs = "vmtest99"
   $Description = "created by script"
   $Requester = " Autodeploy"
-------------------------------------------------
```

I created a script to use the free opensource Solution PHPIPAM with some fancy Features like find next available IP for automated VM installation. For the complete way back, there is a script to delete the IP

IPAM-GET-IP

IPAM-RELEASE-IP

ipam-get

ipam-delete

ass well. IP housekeeping!