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## Introduction

**pfSense** est un système d'exploitation open source ayant pour but la mise en place de routeur/parefeu basé sur le système d'exploitation FreeBSD.

Pour l'installation de PfSense, nous utilisons VMWare Workstation 17, et d'un Iso PfSense

Configurer votre VM avec 2 CPU, 2 Go de RAM, un DD de 20 Go

| pfSense Installer<br>Welcome to pfSense!      | Не 1 соме  |
|---|--|
| install<br>Rescue Shell<br>Recover config.xml | <mark>Install pfSense</mark><br>Launch a shell for rescue operations<br>Recover config.xмl froм a previous install |
|   | O <mark>K &gt; <cancel></cancel></mark>  |
|   |  |
|   |  |

## Choisissez Auto (UFS)

| How would you                               | Partitioning<br>like to partition your disk?   |  |
|---|--|--|
| Auto (ZFS)<br>Juto (UFS)<br>Manual<br>Shell | Guided Root-on-ZFS<br>Guided UFS Disk Setup<br>Manual Disk Setup (experts)<br>Open a shell and partition by hand |  |
|   | Cancel>  |  |

## Choisissez MBR Dos Partitions

| FreeBSD Installer                         |   |                |
|---|---|----------------|
| Hould<br>(daØ)<br>share<br>Using<br>curre | Partition Scheme<br>Select a partition scheme<br>for this volume:<br>APM Apple Partition Map<br>BSD BSD Labels<br>GPT GUID Partition Table<br>BR DDS Partitions | k<br>?<br>data |
|   | COK J [Cancel]  |                |
|   |   |                |
| Bootable on Most x86 sy                   | stems   |                |

Pour finalisez l'installation, faites reboot.

|   | Complete<br>Installation of pfSense complete!<br>Would you like to reboot into the   |  |
|---|--|--|
|   | installed system now?<br>[Reboot] [Shell ]   |  |
|   |  |  |
| May 4 20:05:39 rebot<br>May 4 20:05:39 sysle<br>Haiting (max 60 second<br>Haiting (max 60 second<br>Syncing disks, vnodes | ot[1302]: rebooted by root<br>ogd: exiting on signal 15<br>ls) for system process 'vnlru' to stop done<br>ls) for system process 'syncer' to stop<br>remaining 0 |  |

Une fois sur l'interface nous nous rendons sur « Set interface IP Address » pour s'y rendre nous appuyons sur 2 de notre clavier

```
Starting syslog...done.
Starting CRON... done.
pfSense 2.7.1-RELEASE amd64 20231115-1706
.
Bootup complete
FreeBSD/amd64 (pfSense.home.arpa) (ttyv0)
VMware Virtual Machine - Netgate Device ID: 0ba9005ca24a5e4d36ba
*** Welcome to pfSense 2.7.1-RELEASE (amd64) on pfSense ***
                                    -> v4/DHCP4: 192.168.12.132/24
 WAN (wan)
                   -> ем0
                   -> ем1
 LAN (lan)
                                    -> v4: 192.168.1.1/24
                                            9) pfTop
10) Filter Logs
 0) Logout (SSH only)
 1) Assign Interfaces
 2) Set interface(s) IP address
                                            11) Restart webConfigurator
                                            12) PHP shell + pfSense tools
 3) Reset webConfigurator password
                                            13) Update from console
14) Enable Secure Shell (sshd)
 4) Reset to factory defaults
 5) Reboot system
 6) Halt system
7) Ping host
8) Shell
                                            15) Restore recent configuration
                                            16) Restart PHP-FPM
Enter an option:
```

Nous allons configurer l'interface LAN

L'option Configure IPv4 address LAN interface via DHCP? Nous mettons "n" pour NON afin de pouvoir choisir notre propre adresse IP. En adresse IP on va choisir pour notre part 192.168.1.70 et en masque de sous réseau en /24 (255.255.255.0)

```
6) Halt systeм
                                          15) Restore recent configuration
 7) Ping host
8) Shell
                                          16) Restart PHP-FPM
Enter an option: 2
Available interfaces:
<u>1 – WAN (ем0 – dhcp, dhcp6)</u>
2 - LAN (em1 - static)
Enter the number of the interface you wish to configure: 2
Configure IPv4 address LAN interface via DHCP? (y/n) n
Enter the new LAN IPv4 address. Press <ENTER> for none:
> 192.168.1.70
Subnet masks are entered as bit counts (as in CIDR notation) in pfSense.
e.g. 255.255.255.0 = 24
255.255.0.0 = 16
255.0.0.0 = 8
Enter the new LAN IPv4 subnet bit count (1 to 32):
 24
```

Enter the new LAN IPv4 address. Press <ENTER> for none: > 192.168.1.70 Subnet masks are entered as bit counts (as in CIDR notation) in pfSense. e.g. 255.255.0.0 = 24 255.255.0.0 = 16 255.0.0 = 8 Enter the new LAN IPv4 subnet bit count (1 to 32): > 24 For a WAN, enter the new LAN IPv4 upstream gateway address. For a LAN, press <ENTER> for none: > Configure IPv6 address LAN interface via DHCP6? (y/n) n Enter the new LAN IPv6 address. Press <ENTER> for none: > Do you want to enable the DHCP server on LAN? (y/n) n Disabling IPv4 DHCPD...

Pour ce qui est de l'adresse IPv6 nous n'allons pas en saisir.

Une fois la configuration finis, appuyer sur ENTER puis notre interface sera accessible via l'adresse IP ci-dessous 192.168.1.70



Une fois sur l'interface de connexion, le login par défaut est admin et le mot de passe pfsense

Une fois sur l'interface appuyez sur Next

| COMMUNITY EDITION | System ▼ Interfaces ▼<br>admin' account password is set t  | Firewall - Servio  | ces • VPN •<br>ge the password in th                                 | Status ▼<br>ne User Manager       | Diagnostics ▼<br>, | Help 🕶 | anglais | français<br>aduire les pages rédige | : × |
|-------------------|--|--|--|-----------------------------------|--------------------|--------|---------|-------------------------------------|-----|
| Wizard / p        | ofSense Setup /  |  |  |                                   |                    |        | _       | Θ                                   |     |
| pfSense Set       | up<br>Welcome to pf:<br>This wizard will pro<br>The wizard may be<br>pfSense® software<br>Learn more | Sense® software!<br>vide guidance through th<br>stopped at any time by cl<br>is developed and mainta | e initial configuration<br>icking the logo image<br>ined by Netgate® | of pfSense.<br>e at the top of th | e screen.          |        |         |                                     |     |
|                   | >> Next  |  |  |                                   |                    |        |         |                                     |     |

| WARNING: The 'admin' account password is set to the default value. Change the password in the User Manager. |   |  |  |  |
|---|---|--|--|--|
| Wizard / pfSense  | e Setup / General Information   |  |  |  |
| Step 2 of 9   |   |  |  |  |
| General Information   |   |  |  |  |
|   | On this screen the general pfSense parameters will be set.  |  |  |  |
| Hostname  | bts   |  |  |  |
|   | Name of the firewall host, without domain part.   |  |  |  |
|   | Examples: pfsense, firewall, edgefw   |  |  |  |
| Domain  | bts.local   |  |  |  |
|   | Domain name for the firewall.   |  |  |  |
|   | Examples: home area example com   |  |  |  |
|   | Do not end the domain name with '.local' as the final part (Top Level Domain, TLD). The 'local' TLD is widely used by mDNS (e.g. Avahi, Bonjour,<br>Rendezvous, Airprint, Airplay) and some Windows systems and networked devices. These will not network correctly if the router uses 'local' as its TLD.<br>Alternatives such as 'home.arpa', 'local.lan', or 'mylocal' are safe. |  |  |  |
|   | The default behavior of the DNS Resolver will ignore manually configured DNS servers for client queries and query root DNS servers directly. To use the<br>manually configured DNS servers below for client queries, visit Services > DNS Resolver and enable DNS Query Forwarding after completing the wizard.   |  |  |  |
| Primary DNS Server  |   |  |  |  |
| Secondary DNS Server  |   |  |  |  |
| Override DNS  |   |  |  |  |
|   | Allow DNS servers to be overridden by DHCP/PPP on WAN   |  |  |  |
|   |   |  |  |  |
|   | >> Next   |  |  |  |

Choisissez un nom de domaine et un hostname puis faire next

| Step 3 of 9   Time Server Information   Please enter the time, date and time zone.   Time server hostname [P.pfense pool.ntp.org]   Enter the hostname (FQDN) of the time server.   Timezone Etc/UTC   Etc/UTC   and / pfSense Setup / Configure WAN Interface   Image: Setup / Configure WAN Interface   To data   Seturating   Image: Setup / Configure WAN Interface   To data   Seturating   Image: Setup / Configure WAN Interface   To data   Seturating   Image: Setup / Configure WAN Interface   To data   Seturating   Image: Setup / Configure WAN Interface   To data setup the Mile Area Network information ill be configured.   Seturating   Image: Setup / Configure WAN Interface   To data setup the Mile Area Network information ill be configured.   Seturating   Image: Setup / Configure WAN Interface   Image: Setup / Configure WAN Interface Interme Setup / Setup  | Sta<br>Time Server Informa  |   |
|---|---|---|
| Time Server Information   Please enter the time, date and time zone.   Time server hostname   (): pfsense.pool.ntp.org   Enter the hostname (FQDN) of the time server.   Timezone   (): pfsense.pool.ntp.org   Enter the hostname (FQDN) of the time server.   (): pfsense.pool.ntp.org   (): pfsense.pool   | Time Server Informa   | p 3 of 9  |
| Please enter the time, date and time zone.         Time server hostname       [P.pfsense.pool.ntp.org         Enter the hostname (FQDN) of the time server.         Timezone       Etc/UTC         Image: Setup / Configure WAN Interface         Vizard / pfSense Setup / Configure WAN Interface         Soft@ure WAN Interface         On this acree the Wide Area Nationality will be configured.         Setup / Configure WAN Interface         Soft@ure WAN Interface         On this acree the Wide Area Nationality will be configured.         Setup / Dick?  |   | ation   |
| Time server hostname P.pfsense.pool.ntp.org   Enter the hostname (FQDN) of the time server.   Timezone Etc/UTC > Next   |   | Please enter the time, date and time zone.  |
| Enter the hostname (FQDN) of the time server.   Time zone Etc/UTC   Exact   Izard / pfSense Setup / Configure WAN Interface   Setup   Setup   Interface   Setup   Interface   | Time server hostname  | 2.pfsense.pool.ntp.org  |
| Timezone Etc/UTC   Wzerd / pfSense Setup / Configure WAN Interface   Max Address   The fide in WAN interface <  |   | Enter the hostname (FQDN) of the time server.   |
|   | Timezone  | Etc/UTC   |
| Waard / prSense Setup / Configure WAN Interface   |   | » Next  |
| bit of general scenes the Wise Area Network information will be configured.  bit of general configured WAN interface.  bit of this screen the Wise Area Network information will be configured.  bit of the WAN interface in the Wise Area Network information will be configured.  bit of the WAN interface in the Work Area Network information will be configured with some cable connection.) Enter a MAC address in the following format xxxxxxxxxx or leave blank.  WI Setter INTU for the WAN interface. If this field is lath blank, an MTU of 1492 bytes for PPPoE and 1500 bytes for all other connection types will be assumed.  WI was in entered in this field, then MSS clamping for TCP connections the value entered above minus 40 (TCP)/P header size) will be in effect. If this field is lath blank, an MSS of 1492 bytes for PPPoE and 1500 bytes for all other connection types will be assumed.  WI was in most all cases.  WI was in most all cases.  WI was in most all cases.  WI perfect source all case   | /izard / pfSense Setup / Confi  | gure WAN Interface  |
| Configure WAN interface  On this screen the Wide Area Network information will be configured.  Selected Type  (HCP  (MAC Address  This field can be used to modify ('spoof') the MAC address of the WAN interface (may be required with some cable connection). Enter a MAC address in the following format xxxxxxxxx or leave blank.  MTU  Set the MTU of the WAN interface. If this field is left blank, an MTU of 1422 bytes for PPPoE and 1500 bytes for all other connection types will be assumed.  MSS  If a value is antered in this field, them MSS clamping for TCP connections to the value entered above minue 40 (TCP/P) header size) will be in effect. If this field is left blank, and MSS of 1432 bytes for PPPoE and 1500 bytes for all other connection types will be assumed.  NHU wate in most all cases.  NHU below most all cases.  NHU   | Step 4 of 9   |   |
| On this screen the Wide Area Network information will be configured.   SelectedTyp: [DECD]   RAC Address:   This field can be used to modify ("sport)" the MAC address of the WINI instratice (may be required with some cable connections). Enter a MAC address in the following format xxxxxxxxxx or leave blank.   MU   Set the MTU of the WINI interface. If this field is left blank, an MTU of 1402 bytes for PPPeCE and 1500 bytes for all other connection types will be assumed.   MSS   a rule in entered in this field is left blank, an MTU of 1402 bytes for PPPeCE and 1500 bytes for all other connection types will be assumed.   MSS   f a value in entered in this field is left blank, an MTU of 1402 bytes for PPPeCE and 1500 bytes for all other connection types will be assumed.   Field is left blank, and SS of 1402 bytes for PPPeCE and 1500 bytes for all other connection types will be assumed. This should match the above the ASS of 1402 bytes for PPPeCE and 1500 bytes for all other connection types will be assumed.   Field is left blank, and SS of 1402 bytes for PPPCE and 1500 bytes for all other connection types will be assumed. This should match the above the ASS of 1402 bytes for PPPCE and 1500 bytes for all other connection types will be assumed.   Field Configuration   Field Configuration   The value in this field is sent as the DHCP client identifier and hostmarne when requesting a DHCP lesses. Some ISPs may require this (for client identification).   Field Configuration   PPPeC Evencentarie   PPPeC Evencentarie   Interface in this field is an usually be left empty.   PPPeC Evencentarie   Interface in this field is left empty.  | onfigure WAN Interface  |   |
| SelectedType  | On this screen the W  | ide Area Network information will be configured.  |
| Percental configuration         MAC Address         This field can be used to modify ('tipod') the MAC address of the WAN interface (may be required with some cable connections). Enter a MAC address in the following format: xxxxxxxxxx or leave blank.         MTU         Set the ATU of the WAN interface. If this field is left blank, an MTU of 1492 bytes for PPPoE and 1500 bytes for all other connection types will be assumed.         MSS         If a value is entered in this field the MSS clamping for TCP connections to the value entered above minu a0 (TCP/IP beader size) will be in affect. If this field is left blank, an MSS of 1492 bytes for PPPoE and 1500 bytes for all other connection types will be assumed. This about match the above MINU         Variate IP Configuration         IPP Address         Subset Mask       32         Variate in this field is sett as the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identifier and hostname and mode)         PPPoE Configuration   | SelectedType DHCP   | ✓   |
| MAC Address       This field can be used to modify ("good") the MAC address of the WAN instratice (may be required with some cable connections). Enter a MAC address in the following format xxxxxxxxxxx or lave blank.         MTU       Set the MTU of the WAN instratice. If this field is left blank, an MTU of 1402 bytes for PPPoE and 1300 bytes for all other connection types will be assumed.         MSS       Set the MTU of the WAN instratice. If this field is left blank, an MTU of 1402 bytes for PPPoE and 1300 bytes for all other connection types will be assumed.         MSS       Tar value is entered in this field, then MSS clamping for TCP connections to the value entered above minua 40 (TCP)/P header size) will be in effect. If this field is left blank, and SS of 1422 bytes for PPPoE and 1500 bytes for all other connection types will be assumed. This should match the above MINEP dicta left blank, and SS of 1422 bytes for PPPoE and 1500 bytes for all other connection types will be assumed. This should match the above MINEP dicta left blank, and SS of 1422 bytes for PPPoE and 1500 bytes for all other connection types will be assumed. This should match the above MINEP dicta configuration         PIP defense       Import and the assumed and the set as the DIPCP client identifier and hostname when requesting a DIPCP lease. Some ISP's may require this (for client identification).         PIPOE Configuration       Import and the set as the DIPCP client identifier and hostname when requesting a DIPCP lease. Some ISP's may require this (for client identification).         PIPOE Configuration       Import and the set as the DIPCP client identifier and hostname when requesting a DIPCP lease. Some ISP's may require this (for client identification).   | eneral configuration  |   |
| MTU       Set the MTU of the WAN interface. (If this field is left blank, an MTU of 1402 bytes for PPPGE and 1500 bytes for all tother connection types will be instended and this field, than MSS clamping for TCP connections to the value entered above minus 40 (TCP)(P header size) will be in effect. If this field is left blank, an MSS of Log bytes for PPPGE and 1500 bytes for all other connection types will be assumed. This should match the above MTU value is mott all cases.         table IP Configuration       Image: Configuration of the WAN interface. (If this field is left blank, an MSS of the PPPGE and 1500 bytes for all other connection types will be assumed. This should match the above MTU value is mott all cases.         table IP Configuration       Image: Configuration         Upstream Gateway       Image: Configuration         DPCP lotent configuration       Image: Configuration of this field is sent as the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identification).         PPPGE Configuration       Image: Configuration of the Consection types will be inference in configured by the grant and the top of the consection types will be assumed. The value in this field is sent as the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identification).         PPPGE Configuration       Image: Configuration of the Consection type is will be assumed in the field of the consection. The interface is configured by the enteree is configured by the explore canner in the information of the in  | MAC Address<br>This field can be use<br>in the following form                           | d to modify (spoof) the MAC address of the WAN interface (may be required with some cable connections). Enter a MAC address at accouncements or feare blank.  |
| Set the NTU of the WAN interface. If this field is left blank, an MTU of 1492 bytes for PPPDE and 1900 bytes for all other connection types will be assumed.         MSS       If a value is entered in this field, the MSS clamping for TCP connections the value entered above minus 40 (TCP)/P header size) will be in effect. If this field is left bank, an MSS of the MSS clamping for TCP connections to the value entered above minus 40 (TCP)/P header size) will be in effect. If this field is left bank, an MSS of the MSS clamping for TCP connections to the value entered above minus 40 (TCP)/P header size) will be in effect. If this field is left bank, an MSS of the PPDE and 1900 bytes for all other connection types will be assumed. This should match the above MTU value in most all cases.         Hor Address       Image: I   | МТИ   |   |
| If a value is natured in this field, then MSS clamping for TCP connections to the value entered above minus 40 (TCP)/P header size) will be in effect. If this field is bit 30 of 1522 bytes for PPPOE and 1000 bytes for all other connection types will be assumed. This should match the above minus 40 (TCP)/P header size) will be an effect. If the date is a the 20 of 152 bytes for PPPOE and 1000 bytes for all other connection types will be assumed. This should match the above minus 40 (TCP)/P header size) will be an effect. If the date is a the 20 of 152 bytes for all other connection types will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. This should match the above minus 40 (TCP)/P header size) will be assumed. The value is this field is set as a the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identifier) will be assumed that cases.   PPOE configuration PPOE for some of the set of the above minus 40 (TCP)/P header size) will be assumed that cases.   PPOE for some of the set of the above minus 40 (TCP) will be assumed that field the connection of the set of the above minus 40 (TCP) will be assumed the set of the above minus 40 (TCP) will be assumed that is set of the identifier is identifier. <td>Set the MTU of the V<br/>assumed.<br/>MSS</td> <td>(AN interface. If this field is left blank, an MTU of 1492 bytes for PPPoE and 1500 bytes for all other connection types will be</td> | Set the MTU of the V<br>assumed.<br>MSS   | (AN interface. If this field is left blank, an MTU of 1492 bytes for PPPoE and 1500 bytes for all other connection types will be  |
| Hadie UP Configuration         IP Address         Subnet Mask       22         Upstream Osteway         Upstream Osteway         DHCP Point Configuration         DHCP Point anto         The value in this field is sent as the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identification).         PPPOE Configuration         PPPOE Configuration         PPPOE Service axes         Hitt: this field can usually be left empty         PPPOE Dial on demand         Cher Show Reveal password characters         PPPOE Dial on demand         Enable Dial-On-Demand mode         This topino causes the interface to operate in dialon-demand mode, allowing a virtual full time connection. The interface is configured, but the actual connection the list diadyed wirtual full time connection. The interface is configured, but the actual connection the list diadyed wirtual full time connection. The interface is configured, but the actual connection the list diadyed wirtual full time connection. The interface is configured, but the actual connection the list diadyed wirtual full time connection. The interface is configured, but the actual connection the list diadyed wirtual full time connection. The interface is configured, but the actual connection the list diadyed wirtual full time connection. The interface is configured, but the actual connection the list diadyed wirtual fully for outpring transmit is diadyed wirtual fully time connection. The interface is configured, but the actual conteconnection the list diadyed wirtual fully fo  | If a value is entered i<br>this field is left blank<br>MTU value in most a              | n this field, then MSS clamping for TCP connections to the value entered above minux 40 (TCP/IP header size) will be in effect. If<br>an MSS of 1492 bytes for FPPOE and 1500 bytes for all other connection types will be assumed. This should match the above<br>I cases. |
| IP Address       Image: Comparison of Comparis  | tatic IP Configuration  |   |
| Suber Mask       32         Upstream Gateway          HCP Potient configuration          DHCP Hostnam   | IP Address  |   |
| Upstream Gateway  | Subnet Mask 32  | ~   |
| HCP client configuration  HCP lostname  The value in this field is sent as the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identification).  PPPOE configuration  PPPOE configuration  PPPOE Service name  Hint this field can usually be left empty.  PPPOE Dial on demand  Enable Dai/On-Demand mode This option causes the interface to operate in dial-on-demand mode, allowing a virtual full time connection. The interface is configured, but the actual connection of the link is delegad out qualifying vurging traffic is detected.  | Upstream Gateway  |   |
| DHCP Hostname       The value in this field is sent as the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identification).         PPPOE configuration       PPPOE learname         PPPOE barename  | HCP client configuration  |   |
| PPPoE configuration         PPPoE service         PPPoE Service name         Hint this field can usually be left empty.         PPPoE Dial on demand         Enable Dial-On-Cemand mode         This option causes the interface to coprete in dial-on-Gemand mode, allowing a virtual full firme connection. The interface is configured, but the actual connection of the link is delayed unally left is detected.  | DHCP Hostname<br>The value in this field<br>identification).                            | is sent as the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client   |
| PPPOE Desement  | PPoE configuration  |   |
| PPPoE Password         Prevel password characters           Shwe PPOE Service name         Hint: this field can usually be left empty           PPDeE Dial on demand         Enable Dial-On-Cemand mode<br>This option causes the interface to operate in dial-on-demand mode, allowing a virtual full time connection. The interface is configured, but the actual<br>connection of the link is disky advirual usuality portifice is detected.   | PPPoE Username  |   |
| Show PPPoE password              Pereal password characters            PPPoE Service name             Hint: this field can usually be left empty           PPPoE Dial on demand              Enable Dial-On-Demand mode            This option causes the interface to operate in dial-on-demand mode, allowing a virtual full time connection. The interface is configured, but the actual         connection of the link is delayed used unit qualifying outgoing traffic is detected.  | PPPoE Password  |   |
| PPPoE Service name         Hint: this field can usually be left empty           PPPoE Dial on demand         Enable Dial-On-Demand mode           This option causes the interface to operate in dial-on-demand mode, allowing a virtual full time connection. The interface is configured, but the actual connection of the link is delayed utility duallying outgoing traffic is detected.  | Show PPPoE password Reveal password   | characters  |
| Hint: this faild can usually be left empty  PPPGE Dial on demand   Enable Dial-On-Demand mode  This option causes the interface to operate in dial-on-demand mode, allowing a virtual full time connection. The interface is configured, but the actual connection of the link is delayed with qualifying outgoing traffic is detected.   | PPPoE Service name  |   |
| PPPCE Dial on demand Exhable Dial-On-Demand mode<br>This option causes the interface to operate in dial-on-demand mode, allowing a virtual full time connection. The interface is configured, but the actual<br>connection of the link is delayed until qualifying outgoing traffic is detected.  | Hint: this field can us   | ually be left empty   |
|   | PPPoE Dial on demand Enable Dial-On-De<br>This option causes t<br>connection of the lin | imand mode<br>in interface to operate in dial-on-demand mode, allowing a virtual full time connection. The interface is configured, but the actual<br>is is delayed until qualifying outgoing traffic is detected.  |
| PPPoE blie timeout If no qualifying outgoing packets are transmitted for the specified number of seconds, the connection is brought down. An idle timeout of zero disables this feature.  | PPPoE Idle timeout<br>If no qualifying outgo<br>this feature                            | ing packets are transmitted for the specified number of seconds, the connection is brought down. An idle timeout of zero disable  |

Choisissez un mot de passe admin pour ma part j'ai choisi root

|                      | Step 6 of 9  |
|----------------------|--|
| Set Admin WebGUI P   | assword  |
|                      | On this screen the admin password will be set, which is used to access the WebGUI and also SSH services if enabled.  |
| Admin Password       |  |
| Admin Password AGAIN |  |
|                      |  |
|                      | » Next   |
|                      |  |
| Winerd / pfCap       | as Satur / Delead configuration  |
| wizard / pisen       |  |
|                      | Step 7 of 9  |
| Reload configurati   | on   |
|                      | Click 'Reload' to reload pfSense with new changes.   |
|                      |  |
|                      | >> Reload  |
|                      |  |
|                      |  |
| Wizard / pfSens      | se Setup / Wizard completed.   |
|                      |  |
|                      | Step 9 of 9  |
| Wizard completed.    |  |
|                      | Congratulations! pfSense is now configured.  |
|                      | We recommend that you check to see if there are any software updates available. Keeping your software up to date is one of the most important              |
|                      | things you can do to maintain the security of your network.  |
|                      | Check for updates  |
|                      | Remember, we're here to help.  |
|                      | Click here to learn about Netgate 24/7/365 support services.   |
|                      |  |
|                      | User survey  |
|                      | Prease nep an the people involved in improving and expanding proense software by taking a moment to answer this short survey (an answers are<br>anonymous) |
|                      | Anonymous User Survey  |
|                      | Useful resources.  |
|                      | <ul> <li>Learn more about Netgate's product line, services, and pfSense software from our website</li> </ul>   |
|                      | To learn about Netgate appliances and other offers, visit our store     Become part of the pfSense community. Visit our forum                              |
|                      | Subscribe to our newsletter for ongoing product information, software announcements and special offers.  |
|                      |  |
|                      |  |

Cliquez sur Finish, puis la configuration sera terminé

Voila PfSense est prêt à l'emploi.