

Configuración de webmin y prueba de funcionamiento en Centos

Por: John A. Pérez B. ~ 20186748



Este tutorial es un extracto del siguiente
video:

https://youtu.be/QT7xR_d0Zhc

Configuración del servidor

Primero actualizamos los paquetes de nuestro sistema con **yum -y
update**

root@webmin:~

```
[root@webmin ~]# yum -y update
Loaded plugins: fastestmirror, langpacks
Loading mirror speeds from cached hostfile
epel/x86_64/metalink
```



Right Ctrl

Luego instalamos los paquetes **perl**, **perl-Net-SSLeay**, **openssl**,
perl-IO-Tty, y **perl-Encode-Detect**

root@localhost:~

```
Verifying : selinux-policy-targeted-3.13.1-252.el7.noarch
Verifying : systemd-219-67.el7.x86_64
Verifying : tuned-2.11.0-5.el7.noarch
Verifying : systemd-libs-219-67.el7.x86_64
Verifying : 1:NetworkManager-libnm-1.18.0-5.el7.x86_64
Verifying : sos-3.7-5.el7.centos.noarch
Verifying : systemd-python-219-67.el7.x86_64
Verifying : 7:lvn2-2.02.185-2.el7.x86_64
Verifying : kernel-tools-3.10.0-1062.el7.x86_64
Verifying : sg3_utils-1.37-18.el7.x86_64
Verifying : polkit-0.112-22.el7.x86_64
Verifying : python-perf-3.10.0-1062.el7.x86_64
Verifying : sg3_utils-libs-1.37-18.el7.x86_64
Verifying : tzdata-2019b-1.el7.noarch
Verifying : 1:NetworkManager-1.18.0-5.el7.x86_64
Verifying : 7:device-mapper-1.02.158-2.el7.x86_64
Verifying : 7:lvn2-libs-2.02.185-2.el7.x86_64
Verifying : 1:NetworkManager-team-1.18.0-5.el7.x86_64
Verifying : hostname-3.13-3.el7.x86_64
Verifying : 7:device-mapper-libs-1.02.158-2.el7.x86_64
Verifying : 7:device-mapper-event-libs-1.02.158-2.el7.x86_64
Verifying : binutils-2.27-41.base.el7.x86_64
Verifying : 2:microcode_ctl-2.1-53.el7.x86_64
Verifying : kpatch-0.6.1-4.el7.noarch
Verifying : 1:NetworkManager-tui-1.18.0-5.el7.x86_64
Verifying : procs-ng-3.3.10-26.el7.x86_64
Verifying : firewalld-filesystem-0.6.3-2.el7.noarch
Verifying : krb5-libs-1.15.1-37.el7_6.x86_64
Verifying : selinux-policy-3.13.1-252.el7.noarch
```

Installed:

kernel.x86_64 0:3.10.0-1062.4.3.el7

Updated:

NetworkManager.x86_64 1:1.18.0-5.el7_7.1	NetworkManager-libnm.x86_64 1:1.18.0-5.el7_7.1	NetworkManager-team.x86_64 1:1.18.0-5.el7_7.1	NetworkManager-tui.x86_64 1:1.18.0-5.el7_7.1
binutils.x86_64 0:2.27-41.base.el7_7.1	bpftool.x86_64 0:3.10.0-1062.4.3.el7	device-mapper.x86_64 7:1.02.158-2.el7_7.2	device-mapper-event.x86_64 7:1.02.158-2.el7_7.2
device-mapper-event-libs.x86_64 7:1.02.158-2.el7_7.2	device-mapper-libs.x86_64 7:1.02.158-2.el7_7.2	firewalld.noarch 0:0.6.3-2.el7_7.2	firewalld-filesystem.noarch 0:0.6.3-2.el7_7.2
hostname.x86_64 0:3.13-3.el7_7.1	kernel-tools.x86_64 0:3.10.0-1062.4.3.el7	kernel-tools-libs.x86_64 0:3.10.0-1062.4.3.el7	kpatch.noarch 0:0.6.1-5.el7_7
krb5-libs.x86_64 0:1.15.1-37.el7_7.2	kernel-tools-libs.x86_64 0:3.10.0-1062.4.3.el7	lvn2-libs.x86_64 7:2.02.185-2.el7_7.2	microcode_ctl.x86_64 2:2.1-53.3.el7_7
polkit.x86_64 0:0.112-22.el7_7.1	lvn2.x86_64 7:2.02.185-2.el7_7.2	python-firewall.noarch 0:0.6.3-2.el7_7.2	python-perf.x86_64 0:3.10.0-1062.4.3.el7
rsyslog.x86_64 0:8.24.0-41.el7_7.2	procs-ng.x86_64 0:3.3.10-26.el7_7.1	selinux-policy.noarch 0:3.13.1-252.el7_1	sg3_utils.x86_64 0:1.37-18.el7_7.1
sg3_utils-libs.x86_64 0:1.37-18.el7_7.1	selinux-policy-targeted.noarch 0:3.13.1-252.el7_1	sudo.x86_64 0:1.8.23-4.el7_7.1	systemd.x86_64 0:219-67.el7_7.2
systemd-libs.x86_64 0:219-67.el7_7.2	sos.noarch 0:3.7-7.el7.centos	systemd-sysv.x86_64 0:219-67.el7_7.2	systemtap-runtime.x86_64 0:4.0-10.el7_7
tuned.noarch 0:2.11.0-5.el7_7.1	systemd-python.x86_64 0:219-67.el7_7.2	tzdata.noarch 0:2019c-1.el7_7.1	

Complete!

[root@localhost ~]# yum install -y perl perl-Net-SSLLeay openssl perl-IO-Tty perl-Encode-Detect

Loaded plugins: fastestmirror, langpacks

Loading mirror speeds from cached hostfile

* base: centos.brisanet.com.br

* extras: centos.brisanet.com.br

* updates: centos.brisanet.com.br

Package 4:perl-5.16.3-294.el7_6.x86_64 already installed and latest version



61/77
62/77
63/77
64/77
65/77
66/77
67/77
68/77
69/77
70/77
71/77
72/77
73/77
74/77
75/77
76/77
77/77



Lo siguiente es agregar el repositorio de webmin en nuestro sistema para poder instalarlo a través del uso de yum


```
root@localhost~  
[root@localhost ~]# vim /etc/yum.repos.d/webmin.repo
```



```
[Webmin]
name=Webmin Distribution Neutral
installurl=http://download.webmin.com/download/yum
mirrorlist=http://download.webmin.com/download/yum/mirrorlist
enabled=1
```



Ahora procedemos a descargar el rpm de jcameron desde la página oficial de webmin y lo importamos con **rpm --import**

root@localhost:~

```
[root@localhost ~]# vim /etc/yum.repos.d/webmin.repo
[root@localhost ~]# wget http://www.webmin.com/jcameron-key.asc
--2019-11-22 09:24:58-- http://www.webmin.com/jcameron-key.asc
Resolving www.webmin.com (www.webmin.com)... 216.105.38.10
Connecting to www.webmin.com (www.webmin.com)|216.105.38.10|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1320 (1.3K) [text/plain]
Saving to: 'jcameron-key.asc'
```

```
100%[=====]
2019-11-22 09:24:58 (81.9 MB/s) - 'jcameron-key.asc' saved [1320/1320]
```

```
[root@localhost ~]# rpm --import jcameron-key.asc
```



Luego procedemos a instalar **webmin**, ya que configuramos el repositorio podemos instalar el paquete a través del uso de yum

root@localhost:~

```
[root@localhost ~]# vim /etc/yum.repos.d/webmin.repo
[root@localhost ~]# wget http://www.webmin.com/jcameron-key.asc
--2019-11-22 09:24:58-- http://www.webmin.com/jcameron-key.asc
Resolving www.webmin.com (www.webmin.com)... 216.105.38.10
Connecting to www.webmin.com (www.webmin.com)|216.105.38.10|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1320 (1.3K) [text/plain]
Saving to: 'jcameron-key.asc'
```

```
100%[=====]
2019-11-22 09:24:58 (81.9 MB/s) - 'jcameron-key.asc' saved [1320/1320]
```

```
[root@localhost ~]# rpm --import jcameron-key.asc
[root@localhost ~]# yum -y install webmin
Loaded plugins: fastestmirror, langpacks
Loading mirror speeds from cached hostfile
 * base: centos.brisanet.com.br
 * extras: centos.brisanet.com.br
 * updates: centos.brisanet.com.br
Webmin
```

| 2.9 kB 00:00:00



Por último agregamos el puerto por defecto de webmin en las reglas de firewall, el puerto por defecto es el **10000/tcp**

root@localhost:~

```
[root@localhost ~]# firewall-cmd --zone=public --add-port=10000/tcp --permanent
success
[root@localhost ~]# firewall-cmd --reload
success
[root@localhost ~]#
```



Probando Webmin

En nuestro navegador, colocamos la dirección de nuestro servidor con el puerto 10000, para acceder a webmin es necesario que coloquemos la dirección como https

Error

This web server is running in SSL mode. Try the URL <https://192.168.1.12:10000/> instead.



Luego colocamos las credenciales de nuestro usuario con privilegios de administrador en la ventana de inicio de sesión de webmin



You must enter a username and password to login to the server on 192.168.1.12

root

.....

☐ Remember me

Sign in



Una vez iniciemos sesión, nos aparecerá un panel con estadísticas de los recursos de nuestro servidor en tiempo real

Webmin Dashboard

SEARCH

- Webmin
- System
- Servers
- Others
- Networking
- Hardware
- Cluster
- Un-used Modules
- Refresh Modules

11 🌙 > ☆ ⚙️ 👤 root 🔴

System Information



System hostname	localhost.localdomain (127.0.0.1)
Webmin version	1.930
Time on system	Friday, November 22, 2019 9:33 AM
Processor information	Intel(R) Core(TM) i5-8250U CPU @ 1.60GHz, 1 cores
Running processes	103
Real memory	341.05 MB used / 482.50 MB cached / 991.04 MB total
Local disk space	1.86 GB used / 16.12 GB free / 17.98 GB total

Operating system	CentOS Linux 7.7.1908
Authentic theme version	19.39-2 <input type="checkbox"/>
Kernel and CPU	Linux 3.10.0-1062.el7.x86_64 on x86_64
System uptime	20 minutes
CPU load averages	0.70 (1 min) 0.39 (5 mins) 0.40 (15 mins)
Virtual memory	8 kB used / 2 GB total
Package updates	All installed packages are up to date

Warning!
Recent package updates (such as a new kernel version) require a reboot to be fully applied.

[Reboot Now](#)[Recent Logins](#)[Disk Usage](#)

En el panel izquierdo tenemos herramientas de administración
proveídas por webmin

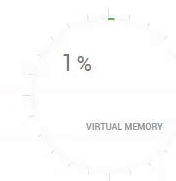
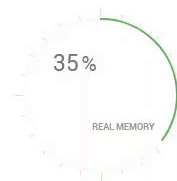
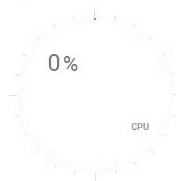
Webmin Dashboard

Search

- Webmin
- System
 - Bootup and Shutdown
 - Change Passwords
 - Disk and Network Filesystems
 - Disk Quotas
 - Filesystem Backup
 - Log File Rotation
 - MIME Type Programs
 - PAM Authentication
 - Running Processes
 - Scheduled Commands
 - Scheduled Cron Jobs
 - Software Package Updates
 - Software Packages
 - System Documentation
 - System Logs
 - Users and Groups
- Servers
- Others
- Networking
- Hardware
- Cluster
- Un-used Modules

https://192.168.1.12:10000/init/

System Information



System hostname	localhost.localdomain (127.0.0.1)
Webmin version	1.930
Time on system	Friday, November 22, 2019 9:34 AM
Processor information	Intel(R) Core(TM) i5-8250U CPU @ 1.60GHz, 1 cores
Running processes	103
Real memory	341.15 MB used / 482.50 MB cached / 991.04 MB total
Local disk space	1.86 GB used / 16.12 GB free / 17.98 GB total

Operating system	CentOS Linux 7.7.1908
Authentic theme version	19.39-2
Kernel and CPU	Linux 3.10.0-1062.el7.x86_64 on x86_64
System uptime	20 minutes
CPU load averages	0.48 (1 min) 0.37 (5 mins) 0.39 (15 mins)
Virtual memory	8 kB used / 2 GB total
Package updates	All installed packages are up to date

Warning!
Recent package updates (such as a new kernel version) require a reboot to be fully applied.

[Reboot Now](#)[Recent Logins](#)[Disk Usage](#)

Estas nos permiten configurar tanto servicios como administrar los recursos del servidor

Webmin Dashboard

Search

- Webmin
- System
- Servers
 - DHCP Server**
 - Postfix Mail Server
 - Read User Mail
 - SSH Server
- Others
- Networking
- Hardware
- Cluster
- Un-used Modules
- Refresh Modules

14 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

Select all Invert selection Add a new subnet Add a new shared network



Select all Invert selection Add a new subnet Add a new shared network

Delete Selected

Hosts and Host Groups

No hosts or groups have been defined.

Add a new host Add a new host group

DNS Zones

No DNS zones have been defined yet.

Add a new DNS zone

Edit Client Options Edit DHCP client options that apply to all subnets, shared networks, hosts and groups

Edit TSIG-keys Edit TSIG-keys (used for authenticating updates to DNS servers)

Manually Edit Configuration Edit configuration file manually text

Edit Network Interface Set the network interfaces that the DHCP server listens on when started.

List Active Leases List leases currently issued by this DHCP server for dynamically assigned IP addresses.

Start Server Click this button to start the DHCP server on your system, using the current configuration.



Webmin también nos ofrece acceso a la CLI en caso de que
necesitemos realizar tareas más complejas

```
[root@localhost ~]# ls
anaconda-ks.cfg
jcameron-key.asc
[root@localhost ~]# ifconfig
enp8s0: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
    inet 192.168.1.12 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::c6c9:df45:e9d9:f367 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:1d:e2:5a txqueuelen 1000 (Ethernet)
    RX packets 103666 bytes 151201885 (144.1 MiB)    10.0 0 0
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 46585 bytes 5181363 (4.9 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp8s1: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
    Select all Invert selection Add a new subnet Add a new shared network
    inet 10.0.0.2 netmask 255.255.255.0 broadcast 10.0.0.255
    inet6 fe80::14a1f:5ca7:4c11:58ec prefixlen 64 scopeid 0x20<link> Selected
    ether 08:00:27:20:fa:47 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 13 bytes 1022 (1022.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP, LOOPBACK, RUNNING> mtu 65536
    No hosts or groups have been defined.
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    Add a new host Add a new host group
    loop txqueuelen 1000 (Local Loopback)
    RX packets 68 bytes 5908 (5.7 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 68 bytes 5908 (5.7 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
[root@localhost ~]# | Status
```

Test Logon

Upload and Download

Networking

Edit Client Options Edit DHCP client options that apply to all subnets, shared networks, hosts and groups

Hardware

Edit TSIG-keys Edit TSIG-keys (used for authenticating updates to DNS servers)

Clusters

Manually Edit Configuration Edit configuration file manually text

Unused Modules

Edit Network Interface Set the network interfaces that the DHCP server listens on when started.

List Active Leases List leases currently issued by this DHCP server for dynamically assigned IP addresses.

Start Server Click this button to start the DHCP server on your system, using the current configuration.



En el caso de los servicios adicionales, webmin nos ofrece un menú con los más populares permitiéndonos configurarlos con un clic

Webmin Dashboard

Search

- Webmin
- System
- Servers
- Others
- Networking
- Hardware
- Cluster
- Un-used Modules
 - ADSL Client
 - Apache Webserver
 - Bacula Backup System
 - BIND DNS Server
 - CD Burner
 - Dovecot IMAP/POP3 Server
 - Fail2Ban Intrusion Detector
 - Fetchmail Mail Retrieval
 - GRUB Boot Loader
 - Heartbeat Monitor
 - idmapd daemon
 - Initial System Bootup
 - IPsec VPN Configuration
 - iSCSI Client
 - iSCSI Server
 - iSCSI Target
 - iSCSI Target

Apache Webserver
Apache version 2.4.6

Global configuration Existing virtual hosts Create virtual host

Create a New Virtual Server

Handle connections to address
☐ Those not handled by another server ☒ Any address ☐ Specific address ..

Listen on address (if needed)
☒ Listen on address (if needed)

Port
☒ Default ☐ Any

Document Root

Server Name
☒ Allow access to this directory
☒ Automatic ☐

Add virtual server to file
☒ Standard httpd.conf file ☐ Selected file..

Copy directives from
Nowhere

Create Now



Además la administración de los mismos es completamente gráfica

Webmin Dashboard

Search

- Webmin
- System
- Servers
- Others
- Networking
- Hardware
- Cluster
- Un-used Modules
 - ADSL Client
 - Apache Webserver**
 - Bacula Backup System
 - BIND DNS Server
 - CD Burner
 - Dovecot IMAP/POP3 Server
 - Fail2Ban Intrusion Detector
 - Fetchmail Mail Retrieval
 - GRUB Boot Loader
 - Heartbeat Monitor
 - idmapd daemon
 - Initial System Bootup
 - IPsec VPN Configuration
 - iSCSI Client
 - iSCSI Server
 - iSCSI Target

https://192.168.1.12:10000/apache/edit_global.cgi?type=1

Apache Webserver
Apache version 2.4.6

Global configuration Existing virtual hosts Create virtual host

Processes and Limits Networking and Addresses **MIME Types** User and Group Miscellaneous CGI Programs Filters Per-Directory Options Files Edit Defined Parameters Edit Config Files

