



Reporte Script Servidor

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Administración de Sistemas

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1. Resumen

Un script de comando es simplemente un archivo, que contiene un conjunto de comandos normales de linux que el comando shell ejecutará automáticamente en el orden dado.

2. Contenido

```
GNU nano 2.5.3          Archivo: servidor.sh          Modificado
#!/bin/bash
arch="servidor.txt"
touch $arch
echo "//////////////////////////////// INFORME //////////////////////////////////" >> $arch
echo "" >> $arch
echo "//////////////////////////////// MEMORIA //////////////////////////////////" >> $arch
echo "Informacion del Sistema en GB" >> $arch
df -h >> $arch
echo "" >> $arch
echo "Sistema de Archivos" >> $arch
mount >> $arch
echo "" >> $arch
echo "Cantidad de Memoria libre" >> $arch
free >> $arch
echo "//////////////////////////////// CPU //////////////////////////////////" >> $arch
echo "Infomarcion de interfaces de red" >> $arch
ifconfig >> $arch
echo "Estado de los Procesos" >> $arch
ps >> $arch
echo "////////////////////////////////" >> $arch
echo "" >> $arch
echo "//////////////////////////////// PROCESOS //////////////////////////////////" >> $arch
echo "INFORMACION DE MEMORIA: " >> $arch
cat /proc/meminfo >> $arch
echo "INFORMACION DE CPU: " >> $arch
cat /proc/cpuinfo >> $arch
echo "////////////////////////////////" >> $arch
echo "//////////////////////////////// SISTEMA OPERATIVO //////////////////////////////////" >> $arch
lsb_release -r >> $arch
echo "S.O. " >> $arch

lsb_release -r >> $arch
echo "S.O. " >> $arch
uname -r >> $arch
echo "////////////////////////////////" >> $arch
echo "//////////////////////////////// IP //////////////////////////////////" >> $arch
echo "Nombre del host: " >> $arch
hostname >> $arch
echo "HOSTNAMECTL: " >> $arch
hostnamectl >> $arch
echo "////////////////////////////////" >> $arch
```

```
//////////////////// INFORME //////////////////////
```

```
//////////////////// MEMORIA //////////////////////
```

```
Informacion del Sistema en GB
```

S.ficheros	Tamaño	Usados	Disp	Uso%	Montado en
udev	980M	0	980M	0%	/dev
tmpfs	201M	3.2M	197M	2%	/run
/dev/sda1	8.8G	2.1G	6.4G	25%	/
tmpfs	1001M	0	1001M	0%	/dev/shm
tmpfs	5.0M	0	5.0M	0%	/run/lock
tmpfs	1001M	0	1001M	0%	/sys/fs/cgroup
/dev/sdb4	2.0G	11M	2.0G	1%	/home/andreyhz/part1
tmpfs	201M	0	201M	0%	/run/user/1000

```
Sistema de Archivos
```

```
sysfs on /sys type sysfs (rw,nosuid,nodev,noexec,relatime)
proc on /proc type proc (rw,nosuid,nodev,noexec,relatime)
udev on /dev type devtmpfs (rw,nosuid,relatime,size=1002980k,nr_inodes=250745,mode=755)
devpts on /dev/pts type devpts (rw,nosuid,noexec,relatime,gid=5,mode=620,ptmxmode=000)
tmpfs on /run type tmpfs (rw,nosuid,noexec,relatime,size=204820k,mode=755)
/dev/sda1 on / type ext4 (rw,relatime,errors=remount-ro,data=ordered)
securityfs on /sys/kernel/security type securityfs (rw,nosuid,nodev,noexec,relatime)
tmpfs on /dev/shm type tmpfs (rw,nosuid,nodev)
tmpfs on /run/lock type tmpfs (rw,nosuid,nodev,noexec,relatime,size=5120k)
tmpfs on /sys/fs/cgroup type tmpfs (ro,nosuid,nodev,noexec,mode=755)
cgroup on /sys/fs/cgroup/systemd type cgroup (rw,nosuid,nodev,noexec,relatime,xattr,release_agent=/S
pstore on /sys/fs/pstore type pstore (rw,nosuid,nodev,noexec,relatime)
cgroup on /sys/fs/cgroup/cpu,cpuacct type cgroup (rw,nosuid,nodev,noexec,relatime,cpu,cpuacct)
cgroup on /sys/fs/cgroup/blkio type cgroup (rw,nosuid,nodev,noexec,relatime,blkio)
cgroup on /sys/fs/cgroup/net_cls,net_prio type cgroup (rw,nosuid,nodev,noexec,relatime,net_cls,net_p
cgroup on /sys/fs/cgroup/memory type cgroup (rw,nosuid,nodev,noexec,relatime,memory)
cgroup on /sys/fs/cgroup/perf_event type cgroup (rw,nosuid,nodev,noexec,relatime,perf_event)
cgroup on /sys/fs/cgroup/memory type cgroup (rw,nosuid,nodev,noexec,relatime,memory)
cgroup on /sys/fs/cgroup/perf_event type cgroup (rw,nosuid,nodev,noexec,relatime,perf_event)
cgroup on /sys/fs/cgroup/pids type cgroup (rw,nosuid,nodev,noexec,relatime,pids)
cgroup on /sys/fs/cgroup/devices type cgroup (rw,nosuid,nodev,noexec,relatime,devices)
cgroup on /sys/fs/cgroup/cpuset type cgroup (rw,nosuid,nodev,noexec,relatime,cpuset)
cgroup on /sys/fs/cgroup/hugetlb type cgroup (rw,nosuid,nodev,noexec,relatime,hugetlb)
cgroup on /sys/fs/cgroup/freezer type cgroup (rw,nosuid,nodev,noexec,relatime,freezer)
systemd-1 on /proc/sys/fs/binfmt_misc type autofs (rw,relatime,fd=24,pgrp=1,timeout=0,minproto=5,max
debugfs on /sys/kernel/debug type debugfs (rw,relatime)
hugetlbfs on /dev/hugepages type hugetlbfs (rw,relatime)
mqueue on /dev/mqueue type mqueue (rw,relatime)
fusectl on /sys/fs/fuse/connections type fusectl (rw,relatime)
/dev/sdb4 on /home/andreyhz/part1 type fuseblk (rw,relatime,user_id=0,group_id=0,allow_other,blksize
lxcfs on /var/lib/lxcfs type fuse.lxcfs (rw,nosuid,nodev,relatime,user_id=0,group_id=0,allow_other)
tmpfs on /run/user/1000 type tmpfs (rw,nosuid,nodev,relatime,size=204820k,mode=700,uid=1000,gid=1000)
```

```
Cantidad de Memoria libre
```

	total	used	free	shared	buff/cache	available
Memoria:	2048168	35580	1894104	3216	118484	1869528
Swap:	998396	0	998396			

```
//////////////////// CPU //////////////////////
```

```
//////////////////// CPU //////////////////////
```

```
Informacion de interfaces de red
```

```
lo Link encap:Bucle local
Direc. inet:127.0.0.1 Másc:255.0.0.0
Dirección inet6:::1/128 Alcance:Anfitrión
ACTIVO BUCLE FUNCIONANDO MTU:65536 Métrica:1
Paquetes RX:12960 errores:0 perdidos:0 overruns:0 frame:0
Paquetes TX:12960 errores:0 perdidos:0 overruns:0 carrier:0
colisiones:0 long.colaTX:1
Bytes RX:959040 (959.0 KB) TX bytes:959040 (959.0 KB)
```

colisiones:0 long colaTX:1
Bytes RX:959040 (959.0 KB) TX bytes:959040 (959.0 KB)

Estado de los Procesos

PID	TTY	TIME	CMD
1065	tty1	00:00:02	bash
1638	tty1	00:00:00	servidor.sh
1645	tty1	00:00:00	ps

////////////////////////////////////
//////////////////////////////////// PROCESOS //////////////////////////////////////

INFORMACION DE MEMORIA:

MemTotal:	2048168 kB
MemFree:	1894152 kB
MemAvailable:	1869576 kB
Buffers:	12192 kB
Cached:	81632 kB
SwapCached:	0 kB
Active:	53232 kB
Inactive:	52780 kB
Active(anon):	15076 kB
Inactive(anon):	2748 kB
Active(file):	38156 kB
Inactive(file):	50032 kB
Unevictable:	3652 kB
Mlocked:	3652 kB
SwapTotal:	998396 kB
SwapFree:	998396 kB
Dirty:	124 kB
Writeback:	0 kB
AnonPages:	15836 kB
Mapped:	19684 kB

AnonPages:	15836 kB
Mapped:	19684 kB
Shmem:	3216 kB
Slab:	24660 kB
SReclaimable:	13352 kB
SUnreclaim:	11308 kB
KernelStack:	1680 kB
PageTables:	2092 kB
NFS_Unstable:	0 kB
Bounce:	0 kB
WritebackTmp:	0 kB
CommitLimit:	2022480 kB
Committed_AS:	149984 kB
VmallocTotal:	34359738367 kB
VmallocUsed:	0 kB
VmallocChunk:	0 kB
HardwareCorrupted:	0 kB
AnonHugePages:	0 kB
CmaTotal:	0 kB
CmaFree:	0 kB
HugePages_Total:	0
HugePages_Free:	0
HugePages_Rsvd:	0
HugePages_Surp:	0
Hugepagesize:	2048 kB
DirectMap4k:	51136 kB
DirectMap2M:	2045952 kB

INFORMACION DE CPU:

processor	: 0
vendor_id	: GenuineIntel
cpu family	: 6
model	: 42

```
cpu family      : 6
model           : 42
model name      : Intel(R) Core(TM) i5-2410M CPU @ 2.30GHz
stepping        : 7
cpu MHz         : 2294.784
cache size      : 3072 KB
physical id     : 0
siblings        : 1
core id         : 0
cpu cores       : 1
apicid          : 0
initial apicid  : 0
fpu             : yes
fpu_exception   : yes
cpuid level     : 13
wp              : yes
flags           : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush m$
bugs            : cpu_meltdown spectre_v1 spectre_v2 spec_store_bypass
bogomips        : 4589.56
clflush size    : 64
cache_alignment : 64
address sizes    : 36 bits physical, 48 bits virtual
power management:
```

```
////////////////////////////////////
//////////////////////////////////// SISTEMA OPERATIVO ///////////////////////////////////
Release:        16.04
S.O.
4.4.0-131-generic
```

```
//////////////////////////////////// IP ///////////////////////////////////
Nombre del host:
ubuntu
HOSTNAMECTL:
  Static hostname: ubuntu
    Icon name: computer-vm
    Chassis: vm
  Machine ID: 4baeaf3374b2cb76a4446dbd5ba41318
    Boot ID: 2aeb76cae3a8430780ecad9d89f05fb3
  Virtualization: oracle
  Operating System: Ubuntu 16.04.5 LTS
    Kernel: Linux 4.4.0-131-generic
    Architecture: x86-64
```

```
////////////////////////////////////
```

Conclusión

Un archivo de informe que genera toda la información dada por el administrador es muy útil para ver todo lo que tiene el equipo en su momento al ejecutar el script.

Bibliografías

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