

# Práctica: Particionado con GPT y Arranque de Sistemas Operativos

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## 1) Particionado con GPT

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Dispositivo Inicio Comienzo Final Sectores Tamaño Id Tipo
/dev/sda1 * 2048 31455231 31453184 15G 83 Linux

Disco /dev/sdb: 100 GiB, 107374182400 bytes, 209715200 sectores
Unidades: sectores de 1 * 512 = 512 bytes
Tamaño de sector (lógico/físico): 512 bytes / 512 bytes
Tamaño de E/S (mínimo/óptimo): 512 bytes / 512 bytes
root@josema-VirtualBox:/home/josema# gdisk /dev/sdb
GPT fdisk (gdisk) version 1.0.3

Partition table scan:
  MBR: not present
  BSD: not present
  APM: not present
  GPT: not present

Creating new GPT entries.

Command (? for help): n
Partition number (1-128, default 1): 1
First sector (34-209715166, default = 2048) or {+-}size{KMGTP}:
Last sector (2048-209715166, default = 209715166) or {+-}size{KMGTP}: +40G
Current type is 'Linux filesystem'
Hex code or GUID (L to show codes, Enter = 8300): 0700
Changed type of partition to 'Microsoft basic data'

Command (? for help): p
Disk /dev/sdb: 209715200 sectors, 100.0 GiB
Model: VBOX HARDDISK
Sector size (logical/physical): 512/512 bytes
Disk identifier (GUID): F7CC0152-B575-457E-BE08-26D4E8B823BF
Partition table holds up to 128 entries
Main partition table begins at sector 2 and ends at sector 33
First usable sector is 34, last usable sector is 209715166
Partitions will be aligned on 2048-sector boundaries
Total free space is 125829053 sectors (60.0 GiB)

Number Start (sector) End (sector) Size Code Name
  1         2048      8388127  40.0 GiB 0700 Microsoft basic data

Command (? for help):
```

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```

Command (? for help): n
Partition number (1-128, default 1): 1
First sector (34-209715166, default = 2048) or {+}size{KMGTP}:
Last sector (2048-209715166, default = 209715166) or {+}size{KMGTP}: +40G
Current type is 'Linux filesystem'
Hex code or GUID (L to show codes, Enter = 8300): 0700
Changed type of partition to 'Microsoft basic data'

```

```

Command (? for help): p
Disk /dev/sdb: 209715200 sectors, 100.0 GiB
Model: VBOX HARDDISK
Sector size (logical/physical): 512/512 bytes
Disk identifier (GUID): F7CC0152-B575-457E-BE08-26D4E8B823BF
Partition table holds up to 128 entries
Main partition table begins at sector 2 and ends at sector 33
First usable sector is 34, last usable sector is 209715166
Partitions will be aligned on 2048-sector boundaries
Total free space is 125829053 sectors (60.0 GiB)

```

Number	Start (sector)	End (sector)	Size	Code	Name
1	2048	83888127	40.0 GiB	0700	Microsoft basic data

```

Command (? for help): n
Partition number (2-128, default 2): 2
First sector (34-209715166, default = 83888128) or {+}size{KMGTP}:
Last sector (83888128-209715166, default = 209715166) or {+}size{KMGTP}: +1G
Current type is 'Linux filesystem'
Hex code or GUID (L to show codes, Enter = 8300): 8200
Changed type of partition to 'Linux swap'

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```

Command (? for help): p
Disk /dev/sdb: 209715200 sectors, 100.0 GiB
Model: VBOX HARDDISK
Sector size (logical/physical): 512/512 bytes
Disk identifier (GUID): F7CC0152-B575-457E-BE08-26D4E8B823BF
Partition table holds up to 128 entries
Main partition table begins at sector 2 and ends at sector 33
First usable sector is 34, last usable sector is 209715166
Partitions will be aligned on 2048-sector boundaries
Total free space is 123731901 sectors (59.0 GiB)

```

Number	Start (sector)	End (sector)	Size	Code	Name
1	2048	83888127	40.0 GiB	0700	Microsoft basic data
2	83888128	85985279	1024.0 MiB	8200	Linux swap

```

Command (? for help): 

```

```

changed type of partition to Linux filesystem

Command (? for help): p
Disk /dev/sdb: 209715200 sectors, 100.0 GiB
Model: VBOX HARDDISK
Sector size (logical/physical): 512/512 bytes
Disk identifier (GUID): F7CC0152-B575-457E-BE08-26D4E8B823BF
Partition table holds up to 128 entries
Main partition table begins at sector 2 and ends at sector 33
First usable sector is 34, last usable sector is 209715166
Partitions will be aligned on 2048-sector boundaries
Total free space is 2014 sectors (1007.0 KiB)

Number  Start (sector)    End (sector)  Size      Code  Name
   1            2048         83888127   40.0 GiB   0700   Microsoft basic data
   2         83888128         85985279   1024.0 MiB  8200   Linux swap
   3         85985280        209715166   59.0 GiB   8300   Linux filesystem

Command (? for help): w

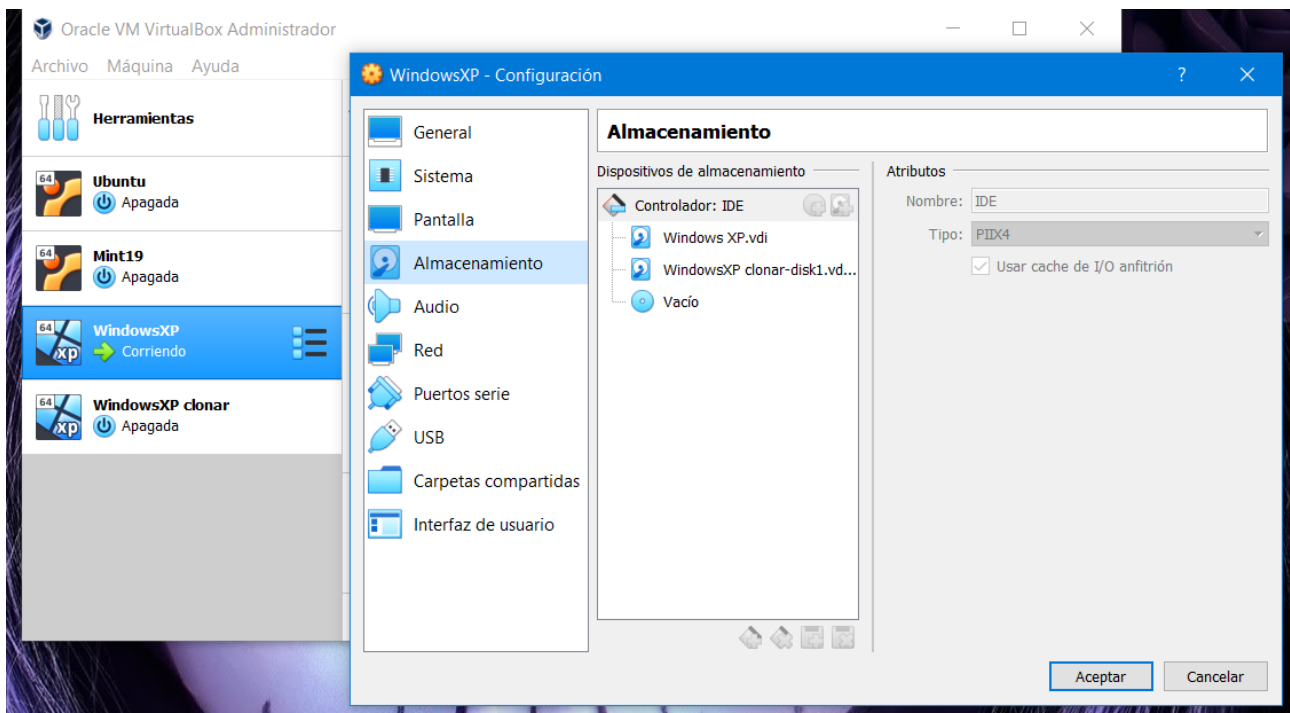
Final checks complete. About to write GPT data. THIS WILL OVERWRITE EXISTING
PARTITIONS!!

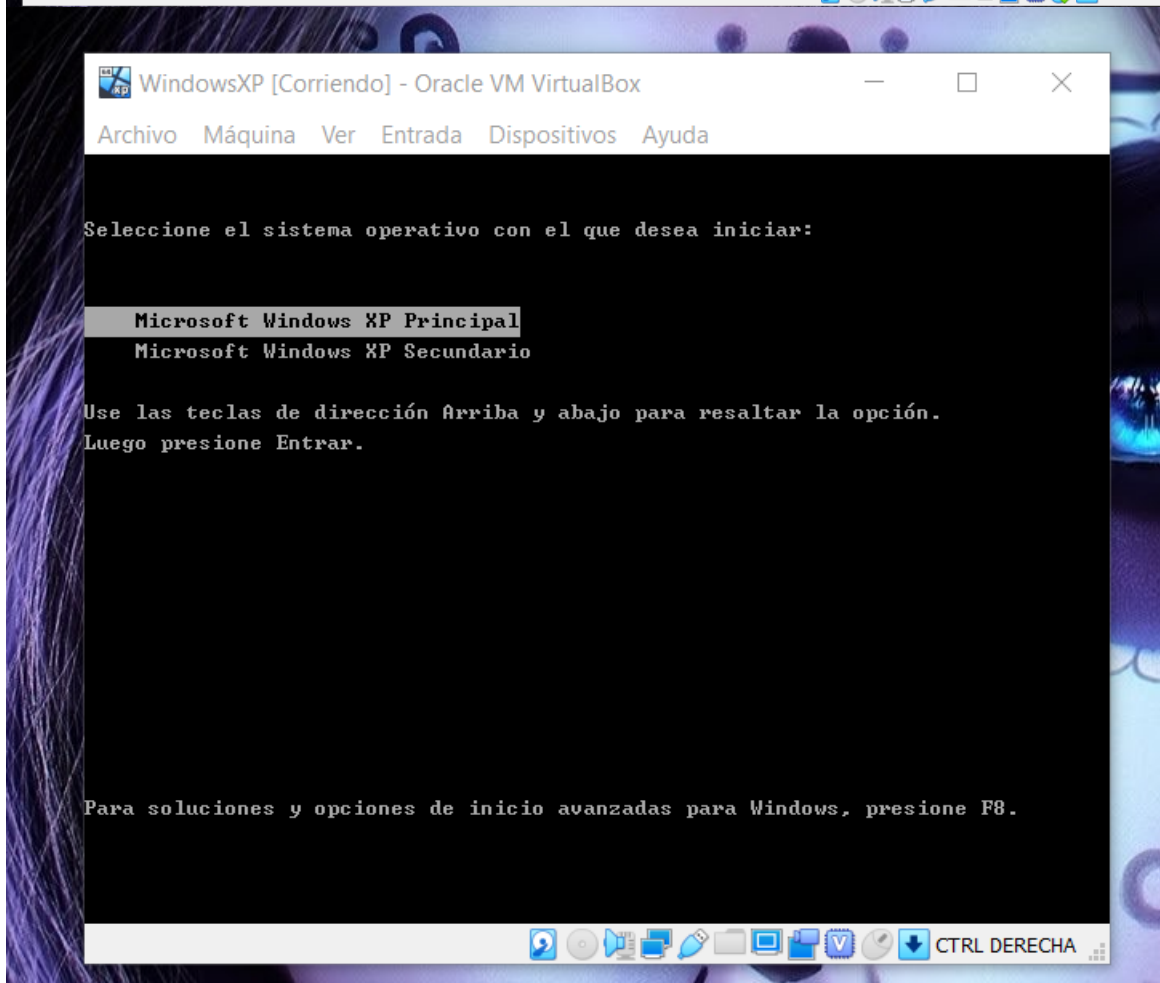
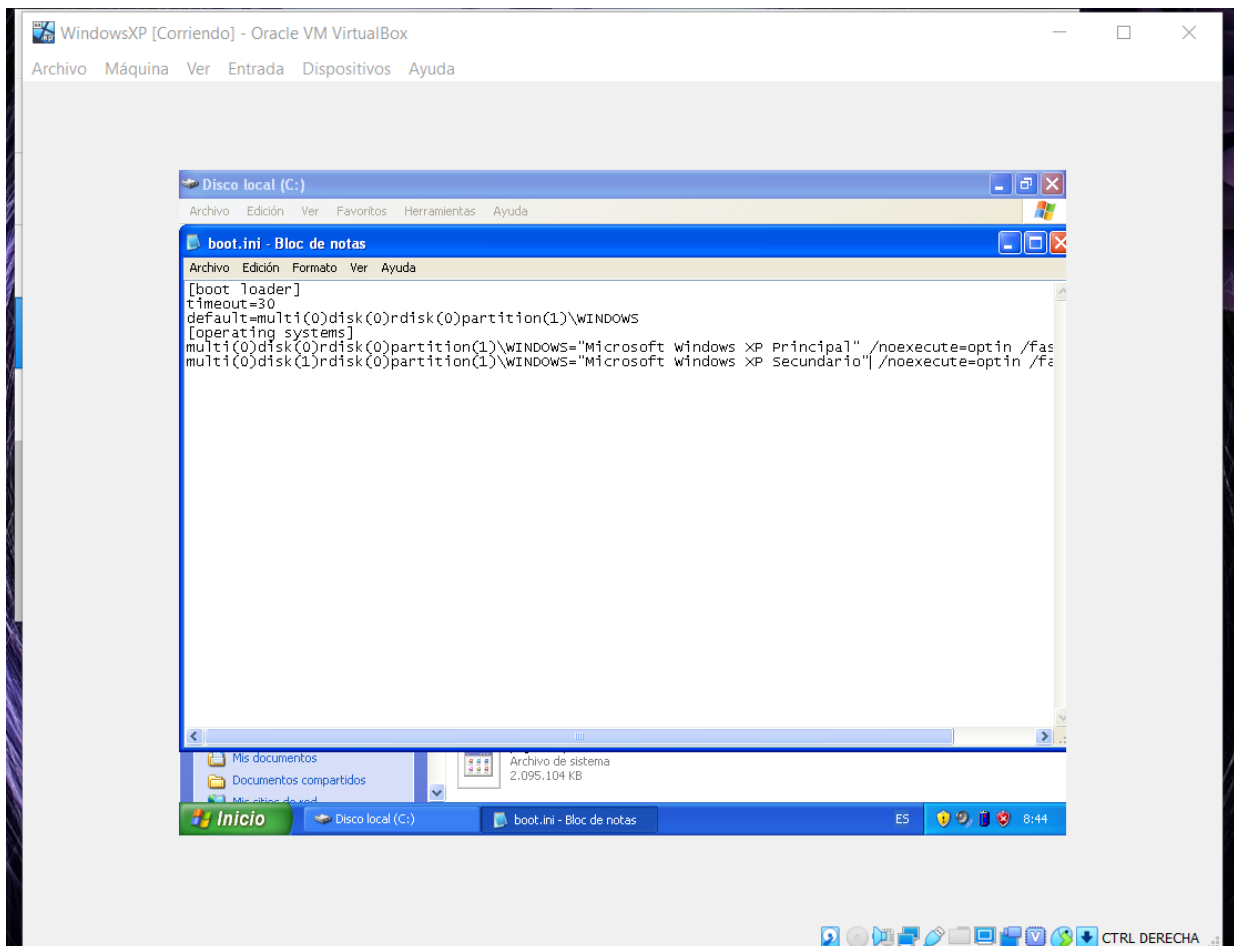
Do you want to proceed? (Y/N): Y
OK; writing new GUID partition table (GPT) to /dev/sdb.
The operation has completed successfully.
root@josema-VirtualBox:/home/josema#

```

## 2) Arranque de SSOO

### A) Arranque de Windows XP





## B) Arranque de Windows 7/10

