

RESC  TUX



Recuperando el GRUB y Password

con

Rescatux

Realizado por
Stekir Christian



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El Gestor de Arranque

Un gestor de arranque (en inglés «bootloader») es un programa sencillo que no tiene la totalidad de las funcionalidades de un sistema operativo, y que está diseñado exclusivamente para preparar todo lo que necesita el sistema operativo para funcionar. Normalmente se utilizan los cargadores de arranque multietapas, en los que varios programas pequeños se suman los unos a los otros, hasta que el último de ellos carga el sistema operativo.

En los ordenadores modernos, el proceso de arranque comienza cuando la unidad central de procesamiento ejecuta los programas contenidos en una memoria de sólo lectura en una dirección predefinida y se configura la unidad central para ejecutar este programa, sin ayuda externa, al encender el ordenador.

Gestor de Arranque Grub

GNU GRUB (GNU GRand Unified Bootloader) es un gestor de arranque múltiple, desarrollado por el proyecto GNU que se usa comúnmente para iniciar uno, dos o más sistemas operativos instalados en un mismo equipo.

GRUB fue inicialmente diseñado e implementado por el programador Erich Stefan Boleyn2 como parte del trabajo en el arranque del sistema operativo GNU Hurd desarrollado por la Free Software Foundation. En 1999, Gordon Matzigkeit y Yoshinori Okuji convirtieron a GRUB en un paquete de software oficial del Proyecto GNU y abrieron el desarrollo del mismo al público.

GRUB es capaz de examinar el sistema de archivos. Actualmente, soporta los siguientes sistemas de archivos

- ext2/ext3/ext4 Grub2) usado por los sistemas UNIX (incluyendo GNU/Linux).
- ReiserFS.
- XFS de SGI (aunque puede provocar problemas).
- UFS y UFS2 de FreeBSD u otros sistemas BSD
- VFAT, como FAT16 y FAT32 usados por Windows 9.x
- NTFS usado por los sistemas Windows NT (a partir de Windows NT v.3.51).
- JFS de IBM.
- HFS de Apple Inc.
- ZFS de Opensolaris/Solaris.
- Btrfs Sistema de archivos Copy-on-write como futuro reemplazo de ext4
- ISO 9660 Sistema de archivos de imágenes en disco CD-ROM o DVD-ROM
- Otros ejemplos de cargadores multiarranque son LILO y Syslinux.
-



Rescatux, una opción versátil

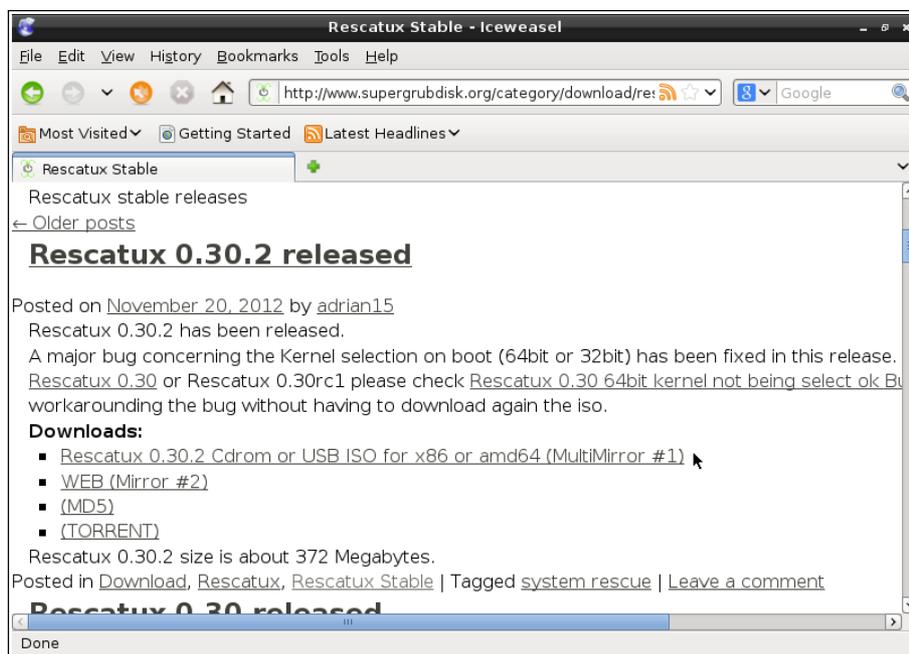
Es un live cd basado en Debian, distribuido bajo la licencia GPL que nos ayudara a recuperar y restaurar nuestro MBR o Grub . Además de venir en diferentes idiomas (inglés, castellano), tiene una interfaz muy intuitiva que nos llevará de forma fácil y rápida a encontrar una solución a nuestros problemas .

Otras características importantes de Rescatux son:

- Comprueba y arregla sistemas de archivos
- Restaura GRUB y GRUB2
- Resetea contraseñas de Windows
- Cambia contraseñas de Gnu/Linux
- Actualiza la configuración de Grub
- Corrige MBR de Windows

Para descargar la ultima versión del live cd de Rescatux, podemos ingresar a la pagina oficial

<http://www.supergrubdisk.org/rescatux/>



La ISO versión [0.30.2 released](#), pesa aproximadamente 372 megabytes. En este caso usaremos la ultima versión lanzada hasta el momento, subida el 20 de noviembre 2012. Una ves descargado, lo quemaremos con nuestro grabador favorito.



Iniciando Rescatux

En primer lugar, debemos configurar la Bios para que pueda bootear nuestro live cd. Una vez iniciada la Pc nos aparecerá la pantalla de inicio del Rescatux . Como vemos nos da diferentes opciones :

- **Rescatux autodetect**
- **Super Grub2 Disk** : es una utilidad que nos ayudará a ingresar a nuestros sistemas operativos, y de ahí poder arreglar nuestro Grub manualmente.
- **Rescatux 32 bit** .
- **Rescatux 64 bit** .

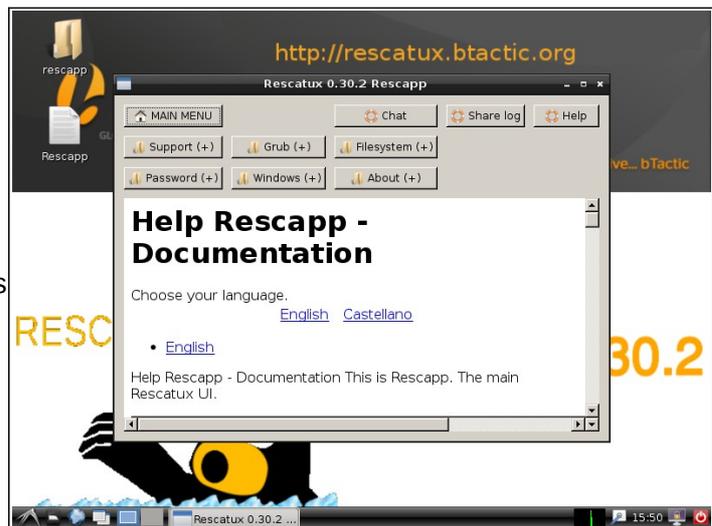


Eligimos la opción de **Rescatux autodetect**, que nos detectara automáticamente la arquitectura de nuestro sistema para el soporte del Kernel, es decir x86 (32-bit) o x64 (64-bit).

Si tenemos algún problema en la detección, podremos predeterminar manualmente el sistema con el cual queremos comenzar a operar. Esto en caso que sepamos la soporte de nuestro procesador

Al iniciar el live cd nos a parece una ventana con todas la característica que tiene Rescatux, para solucionar problemas de inicio. Veamos brevemente para que sirven.

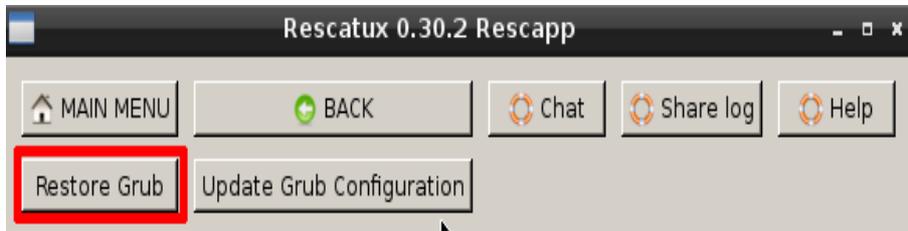
- **Chat** : nos conectara a una sala de chat donde podremos buscar ayuda o proponer soluciones a usuarios.
- **Share Log** : guarda en un log todas las acciones realizadas.
- **Help** : nos mostrara una ayuda completamente en idioma castellano.
- **Grub**: esta acción nos servirá para poder recuperar nuestro Grub .
- **Filesystem** : nos servirá para poder reparar nuestra tabla de particiones .
- **Password** : esta opción es de gran ayuda para poder recuperar nuestras claves de usuarios en caso de olvidarlas, funciona tanto para GNU / Linux como para Windows.
- **Windows** : recobra el MBR de Windows .



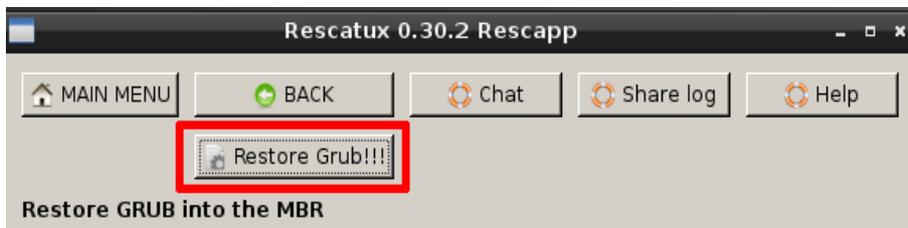


Rescatando nuestro Grub

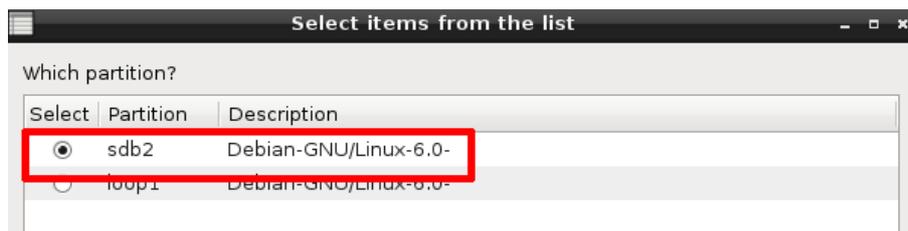
Para poder restablecer nuestro Grub, solo tenemos que ir al botón  y seguimos los pasos .



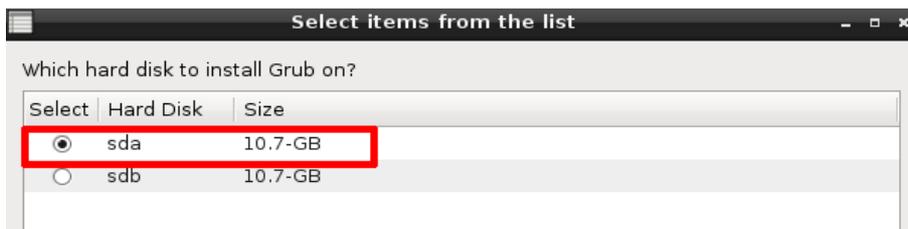
Nos aparecen dos opciones : **“Update Grub Configuration”**, que podremos usar para actualizar a Grub 2 en caso de tener la versión 1 . Para empezar a recuperar el gestor, hacemos clic en **“Restore Grub”**.



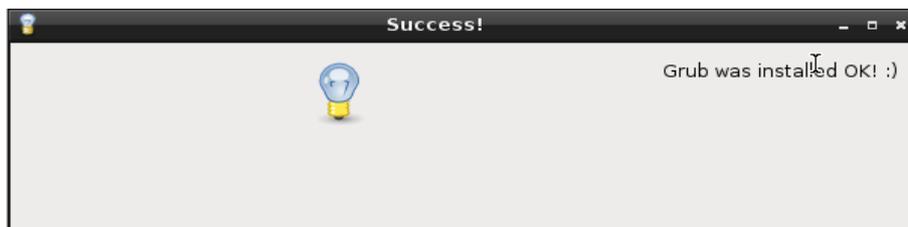
Nos aparecerá otra ventana, clic en Restore Grub!!!



Seleccionamos la partición donde se encuentra nuestro GNU / Linux .



Una aspecto que debemos saber es que: debemos instalar Grub en la primera partición que tengamos o el disco que arranca como primario



Para finalizar hacemos clic en Ok . Reiniciamos la Pc y automáticamente tendremos recuperado nuestro Grub.



Recuper Password de Usuarios

Otra poderosa utilidad que nos presenta Rescatux, es de restablecer una password de la cuenta Root o alguna cuenta de usuario Normal. Solo con unos simples clic podremos ingresar una clave nueva y así poder entrar a nuestra sesión.

Para empezar vamos y hace clic en el botón 



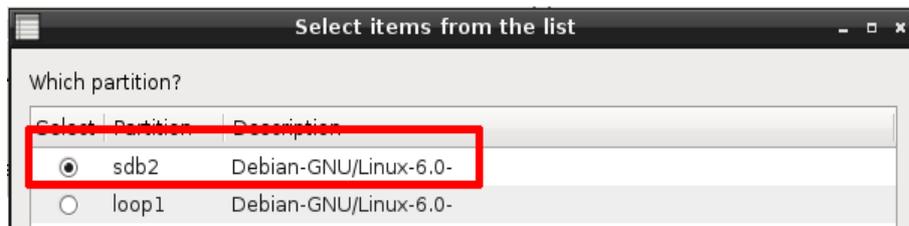
Como vemos nos presenta tres opciones . **Restore Windows password** . En caso que queramos restaurar el Password perdida en una sesión de Windows.

Define a sudoers file. Modifica el `/etc/sudoers`. No dara la opción de elegir un usuario para que pueda ejecutar comandos en modo sudo.

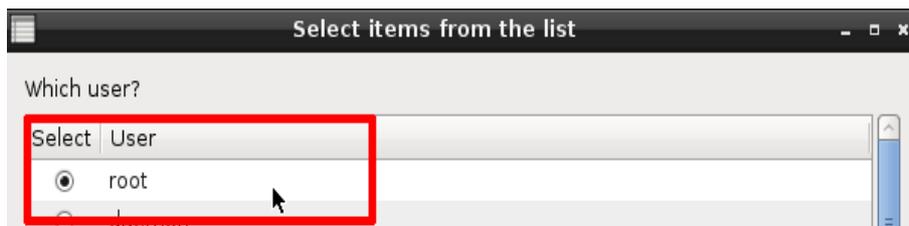
Change Gnu / Linux Password . Donde haremos clic para poder empezar a recuperar nuestra Password perdida.



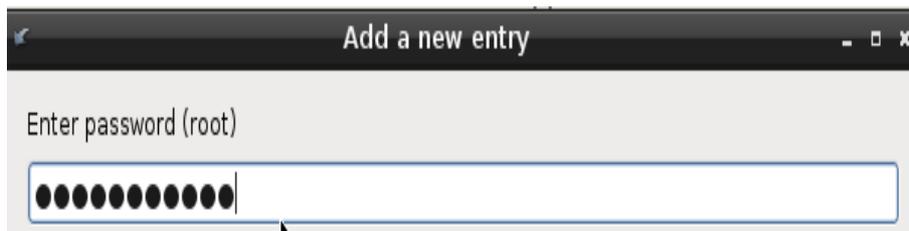
Clic en Change GNU / Linux Password para confirmar.



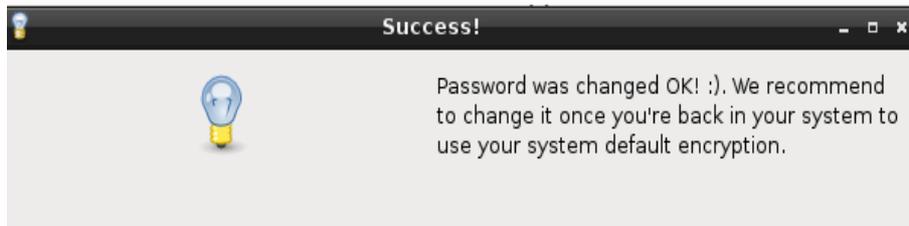
Elegimos la partición donde se encuentra instalado Gnu / Linux y damos siguiente.



Nos mostrara todo los usuarios que se encuentran registrados. Elegimos la cuenta que le queremos cambiar la Password y damos en siguiente.



Ingresamos la nueva contraseña y damos en siguiente.



Hacemos clic en Ok y reiniciamos para comprobar.



Bibliografía

http://es.wikipedia.org/wiki/Gestor_de_arranque

http://es.wikipedia.org/wiki/GNU_GRUB

<http://www.supergrubdisk.org>



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