

Linux Bare Metal Recovery



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History



• CD-ROM

- Hard to create and use
- Driver problems
- Non-graphical
- Hard to customize

First live usb

- Ubuntu based
- ✓ Drivers for most hardware
- ✓ Support for lvm
 - Drawbacks:
 - Have to go to each physical machine
 - ✓ Scripts are written in bash



- Coming live usb (Next release)
 - Runs a script at time of backup
 - ✓ No need to go to each physical machine
 - ✓ Scripts are written in perl



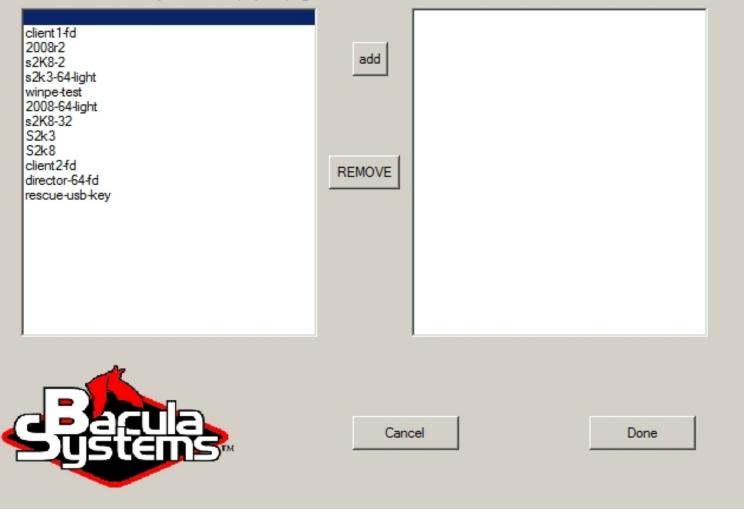
- Deployment
 - ✓ Gui interface
 - ✓ Backs up script directory on master machine

And restores it to selected clients

Screenshots: plugin deployment gui



Add the clients to whom you wish to deploy the plugin





• Deployment

- Can be used to deploy other software
- Can be tweaked for different machines



• How it works

- ✓ Asks the user which machine he wants to recover
- ✓ Asks the user to which date he wants to recover
- ✓ Gets backed up info files from director
- Reads info from backed up files
- Tries to find the corresponding drives
- Shows the user a list of the actual drives the drives gathered at backup time
- Ask the user to identify its drives
- ✓ Ask the user whether he wants to reformat or not

and



• How it works

- Partition disks according to gathered info
- ✓ formats disks according to gathered info
- Mounts disks to relative path according to gathered info
- Copy a static bacula file daemon into mount folder
- Chroots into mount folder
- Executes static bacula-fd
- Asks the director for the data
- Install grub on the root disk

Bare metal recovery demo





Bare metal recovery



• Comments, questions ?