

OS Project

Project

- Automate the customization process
- Menu based script to manage all the operations

Customization

- Setup the environment
- Add/remove packages
- Update packages
- Upgrade Ubuntu
- Finalize the customization

Setup environment

- Mount the original live ubuntu CD
- Prepare the folders needed for the customization
- Copy the necessary files

Add/Remove packages

- Users can choose what packages to add/remove
- Possibility to install packages automatically (apt-get)
- Install packages manually (using dpkg)
- Add new repositories

Update packages

- Users can update single packages by providing the package name

Upgrade Ubuntu

- Users can choose to upgrade 11.04 to be upgraded to a newer version 11.10 or 12.04

Finalize the customization

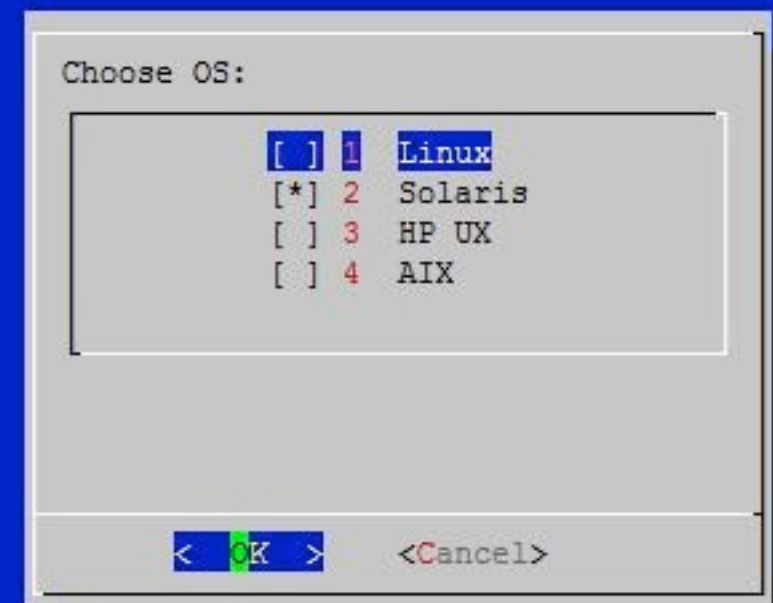
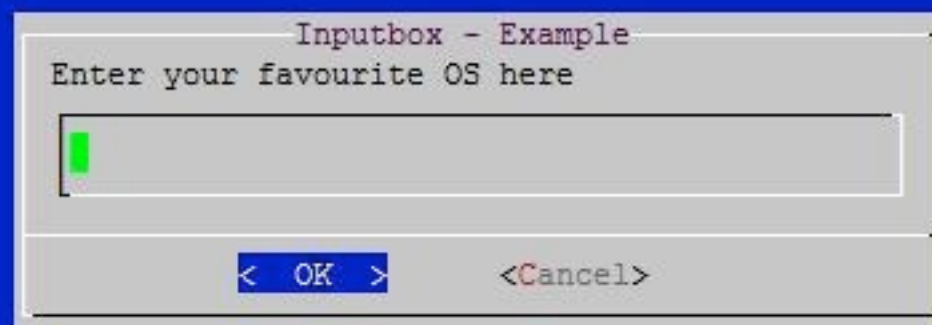
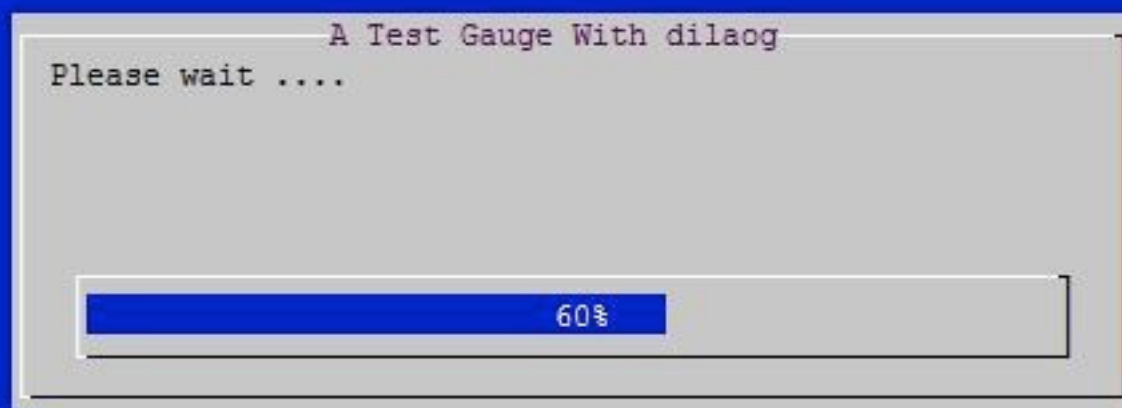
- Rebuild the new image
- Generate a new iso file
- Clean the tmp files and folders

Quality requirements

- Using Dialog
- Fault tolerance

Using dialog

- Utility for building console-based front ends
- Example:
<http://unstableme.blogspot.it/2009/12/linux-dialog-utility-short-tutorial.html>



Fault tolerance

- The script should handle wrong input from the user
- The script should handle Pause/Resume option
- The script should implement Exception handling

Deliverables

- Deliverable 1: (14/12/2013)
 - Setup the environment
- Deliverable 2: (10/01/2014)
 - Add/remove packages
 - Update packages
- Deliverable 3: (20/01/2014)
 - Upgrade Ubuntu
 - Finalize the customization

Evaluation

- Present the project
 - Working script
 - Full understanding of all the script details
- Points will be deducted based on the missing functionality