链滴

ubuntu12.04设置grub背景图片

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```
<p>ubuntu12.04设置grub背景图片,灰常简单.</p>
<p>将要做为grub背景的图片放到 /boot/grub 下,然后执行</p>
<pre>sudo update-grub</pre>
<p>grub会自动查找该路径下的各种图片格式的文件</p>
<p>具体看/etc/grub.d/05_debian_theme</p>
<pre>#!/bin/sh
set -e
```

grub-mkconfig helper script.

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Include the GRUB helper library for grub-mkconfig.

. /usr/lib/grub/grub-mkconfig_lib

We want to work in /boot/grub/ only.

test -d "{GRUB_PREFIX}"; cd "{GRUB_PREFIX}"

Set the location of a possibly necessary cache file f r the background image.

NOTE: This MUST BE A DOTFILE to avoid confusing it with user-defined images.

BACKGROUND_CACHE=".background_cache"

set_default_theme(){

# Set a monochromatic theme for Ubuntu.

echo "${1}set menu_color_normal=white/black"

echo "${1}set menu_color_highlight=black/light-gray"

```
if [ -e /lib/plymouth/themes/default.grub ]; then
    sed "s/^/${1}/" /lib/plymouth/themes/default.grub
fi
```

}

set_background_image(){

# Step #1: Search all available output modes ...

local output

for output in ${GRUB_TERMINAL_OUTPUT}; do

if ["x$output" = "xgfxterm"]; then

break

fi

done

```
# ... and check if we are able to display a background image at all.
if ! [ "x${output}" = "xgfxterm" ]; then
    return 1
fi

# Step #2: Check if the specified background image exists.
if ! [ -f "${1}" ]; then
    return 2
fi
```

```
# Step #3: Search the correct GRUB module for our background image.
local reader
case "${1}" in
    *.jpg|*.JPG|*.jpeg|*.JPEG) reader="jpeg";;
    *.png|*.PNG) reader="png";;
    *.tga|*.TGA) reader="tga";;
    *) return 3;; # Unknown image type.
esac

# Step #4: Check if the necessary GRUB module is available.
if ! [ -f "${reader}.mod" ]; then
    return 4
fi

# Step #5: Check if GRUB can read the background image directly.
# If so, we can remove the cache file (if any). Otherwise the backgound
# image needs to be cached under /boot/grub/.
if is_path_readable_by_grub "${1}"; then
    rm --force "${BACKGROUND_CACHE}.jpeg" \
        "${BACKGROUND_CACHE}.png" "${BACKGROUND_CACHE}.tga"
elif cp "${1}" "${BACKGROUND_CACHE}.${reader}"; then
    set -- "${BACKGROUND_CACHE}.${reader}" "${2}" "${3}"
else
    return 5
fi

# Step #6: Prepare GRUB to read the background image.
if ! prepare_grub_to_access_device "`${grub_probe} --target=device "${1}"`"; then
    return 6
fi

# Step #7: Everything went fine, print out a message to stderr ...
echo "Found background image: ${1}" >&2

# ... and write our configuration snippet to stdout. Use the colors
# desktop-base specified. If we're using a user-defined background, use
# the default colors since we've got no idea how the image looks like.
# If loading the background image fails, use the default theme.
echo "insmod ${reader}"
echo "if background_image `make_system_path_relative_to_its_root "${1}"`; then"
if [ -n "${2}" ]; then
    echo "  set color_normal=${2}"
fi
if [ -n "${3}" ]; then
    echo "  set color_highlight=${3}"
fi
if [ -z "${2}" ] && [ -z "${3}" ]; then
    echo "  true"
fi
echo "else"
set_default_theme "   "
echo "fi"
```

```
}
```

Earlier versions of grub-pc copied the default back round image to /boot/grub

during postinst. Remove those obsolete images if hey haven't been touched by

the user. They are still available under /usr/share/ mages/desktop-base/ if

desktop-base is installed.

```
while read checksum background; do
if [ -f "{background}" ] && [ "x`sha1sum "{background}"`" = "x{checksum}  {background}" ]; th
n
echo "Removing old background image: ${background}" >&2
rm "${background}"
fi
done <<EOF
648ee65dd0c157a69b019a5372cbcfea4fc754a5  debian-blueish-wallpaper-640x480.png
0431e97a6c661084c59676c4baeeb8c2f602edb8  debian-blueish-wallpaper-640x480.png
968ecf6696c5638cfe80e8e70aba239526270864  debian-blueish-wallpaper-640x480.tga
11143e8c92a073401de0b0fd42d0c052af4ccd9b  moreblue-orbit-grub.png
d00d5e505ab63f2d53fa880bfac447e2d3bb197c  moreblue-orbit-grub.png
f5b12c1009ec0a3b029185f6b66cd0d7e5611019  moreblue-orbit-grub.png
EOF
```

Include the configuration of desktop-base if availa le.

```
if [ -f "/usr/share/desktop-base/grub_background.sh" ]; then
. "/usr/share/desktop-base/grub_background.sh"
fi
```

First check whether the user has specified a backgr und image explicitly.

If so, try to use it. Don't try the other possibilities i that case

# (#608263).

```
if [ -n "${GRUB_BACKGROUND+x}" ]; then
set_background_image "${GRUB_BACKGROUND}" || set_default_theme
exit 0
fi
```

Next search for pictures the user put into /boot/gr b/ and use the first one.

```
for background in *.jpg *.JPG *.jpeg *.JPEG *.png *.PNG *.tga *.TGA; do
if set_background_image "${background}"; then
exit 0
fi
done
```

Next try to use the background image and colors s ecified by desktop-base.

```
if set_background_image "{WALLPAPER}" "{COLOR_NORMAL}" "${COLOR_HIGHLIGHT}"; then
exit 0
fi
```

If we haven't found a background image yet, use t e default from desktop-base.

```
if set_background_image "/usr/share/images/desktop-base/desktop-grub.png"; then
exit 0
fi
```

Finally, if all of the above fails, use the default the e.

```
set_default_theme</pre>
```

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