

Steps for modifying GDM Login background on Gnome > 3.16

- 1) Install glib2-devel
- 2) Create a working directory with the sub-directory "theme"

```
export WORK_DIR=[CHANGE_ME]
mkdir -p ${WORK_DIR}/theme
```

- 3) Extract each resource from the gnome-shell-theme.gresource file

```
export GSTR=/usr/share/gnome-shell/gnome-shell-theme.gresource
for R in `gresource list ${GSTR}`
do
    gresource extract ${GSTR} ${R} > ${WORK_DIR}/${R#\!/org\/gnome\/shell/}
done
```

- 4) Add the new resource to the working directory

```
cp BackgroundDefault.jpg ${WORK_DIR}/theme
```

- 5) Modify the gnome-shell.css file to point to the new resources

```
mv ${WORK_DIR}/theme/gnome-shell.css{,.orig}
awk '/\#lockDialogGroup/,/\}/ { \
    sub("noise-texture.png","BackgroundDefault.jpg") \
    sub(" repeat;"," no-repeat;\n    background-size: contain;") }1' \
${WORK_DIR}/theme/gnome-shell.css.orig > ${WORK_DIR}/theme/gnome-shell.css
```

- 6) Generate a new gnome-shell-theme.gresource.xml

```
export GSTRX=${WORK_DIR}/theme/gnome-shell-theme.gresource.xml
cat << EOF > ${GSTRX}
<?xml version="1.0" encoding="UTF-8"?>
<gresources>
    <gresource prefix="/org/gnome/shell/theme">
EOF
for EXT in css svg png jpg
do
    for RES in `ls ${WORK_DIR}/theme/*.${EXT}`
    do
        echo -e "\t<file>${RES}</file>" >> ${GSTRX}
    done
done
echo "    </gresource>" >> ${GSTRX}
echo "</gresources>" >> ${GSTRX}
```

- 7) Recompile the configuration

```
glib-compile-resources ${GSTRX}
```

- 8) Move the resultant gnome-shell-theme.gresource file to /usr/share/gnome-shell