

第一次实验作业

实验目标

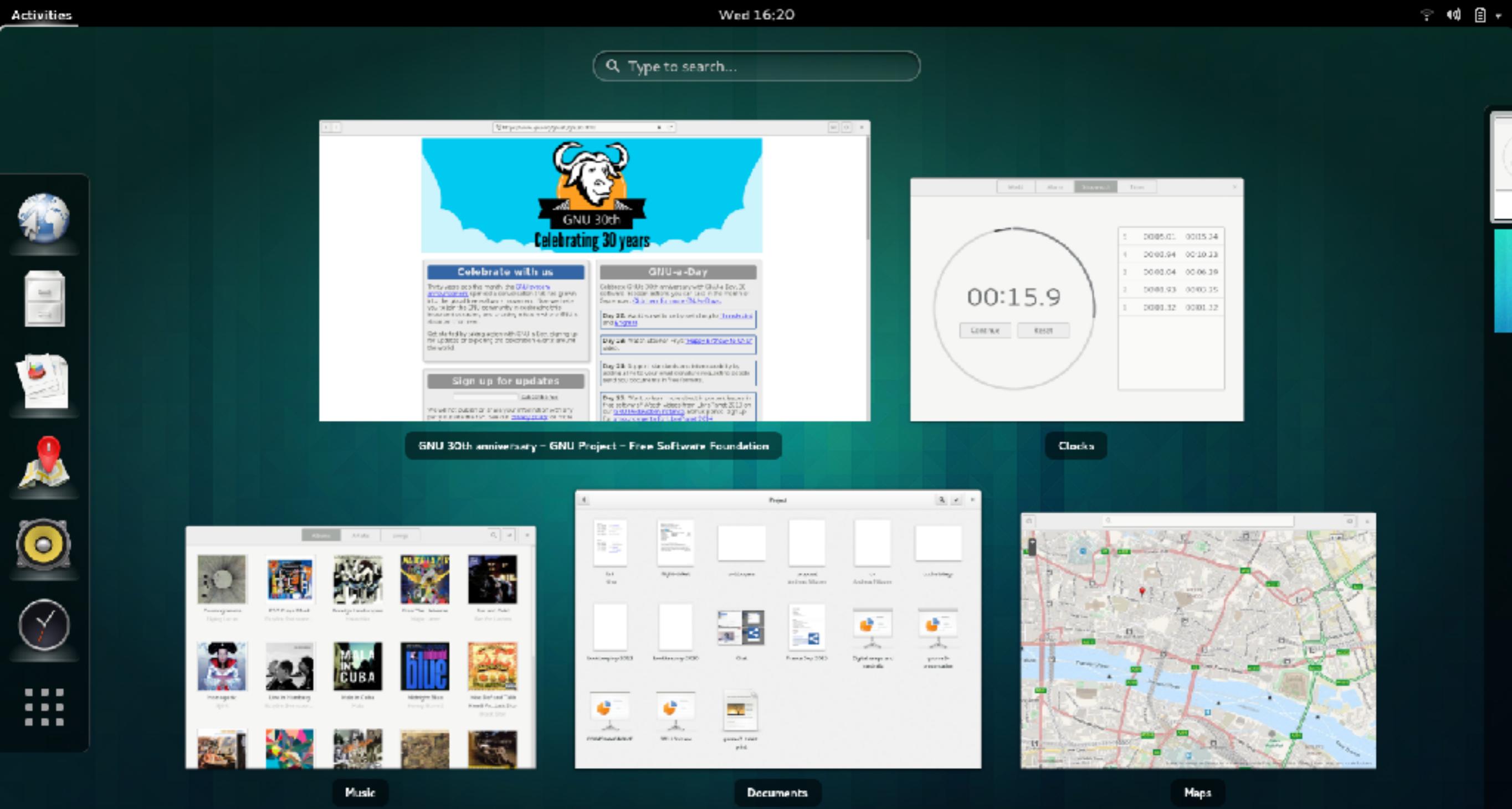
- 安装Linux操作系统
- 熟悉Linux操作系统的常用命令
- 学习使用bash
- 学习使用git
- 熟悉GitHub的使用流程

常见的Linux发行版

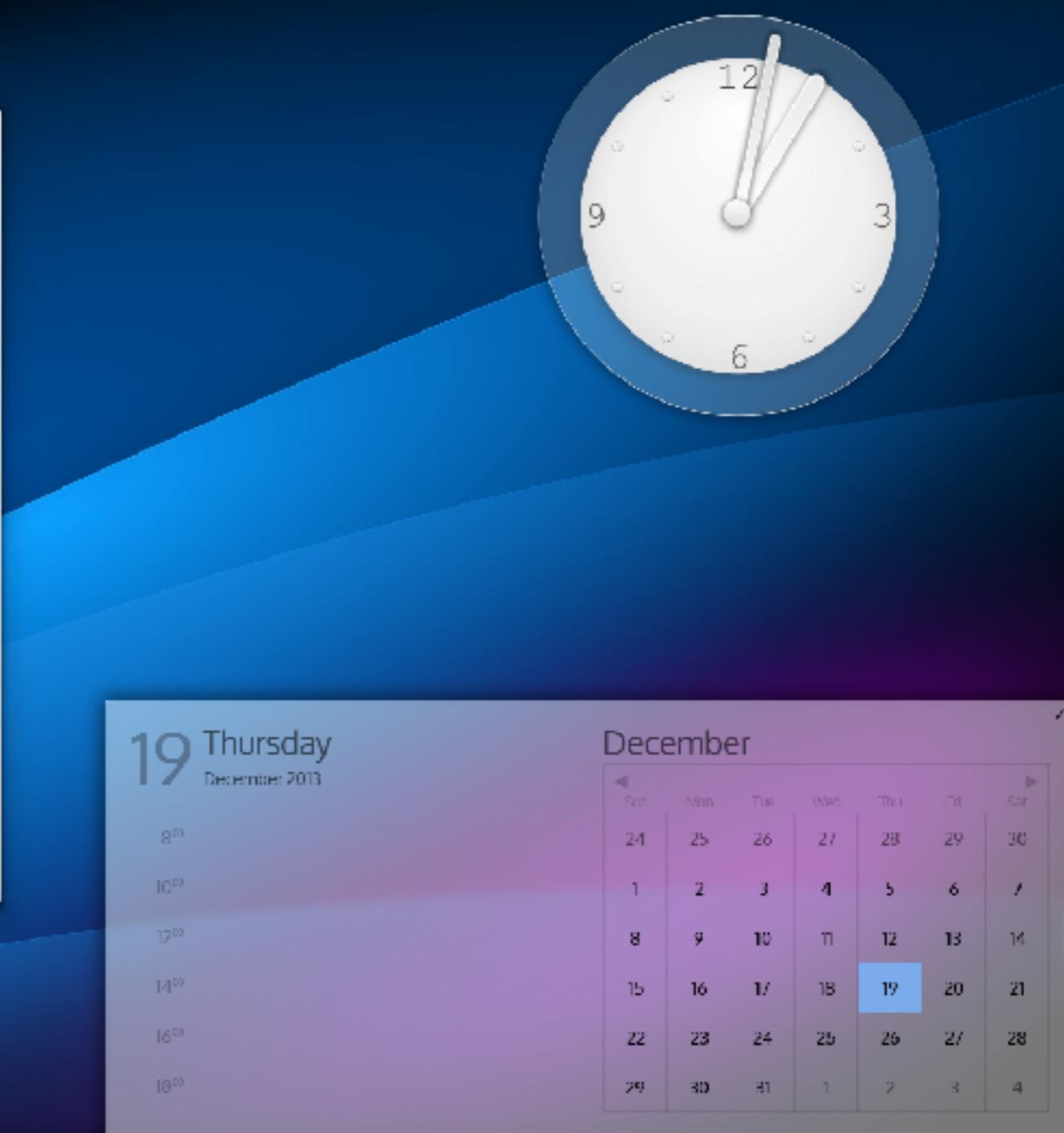
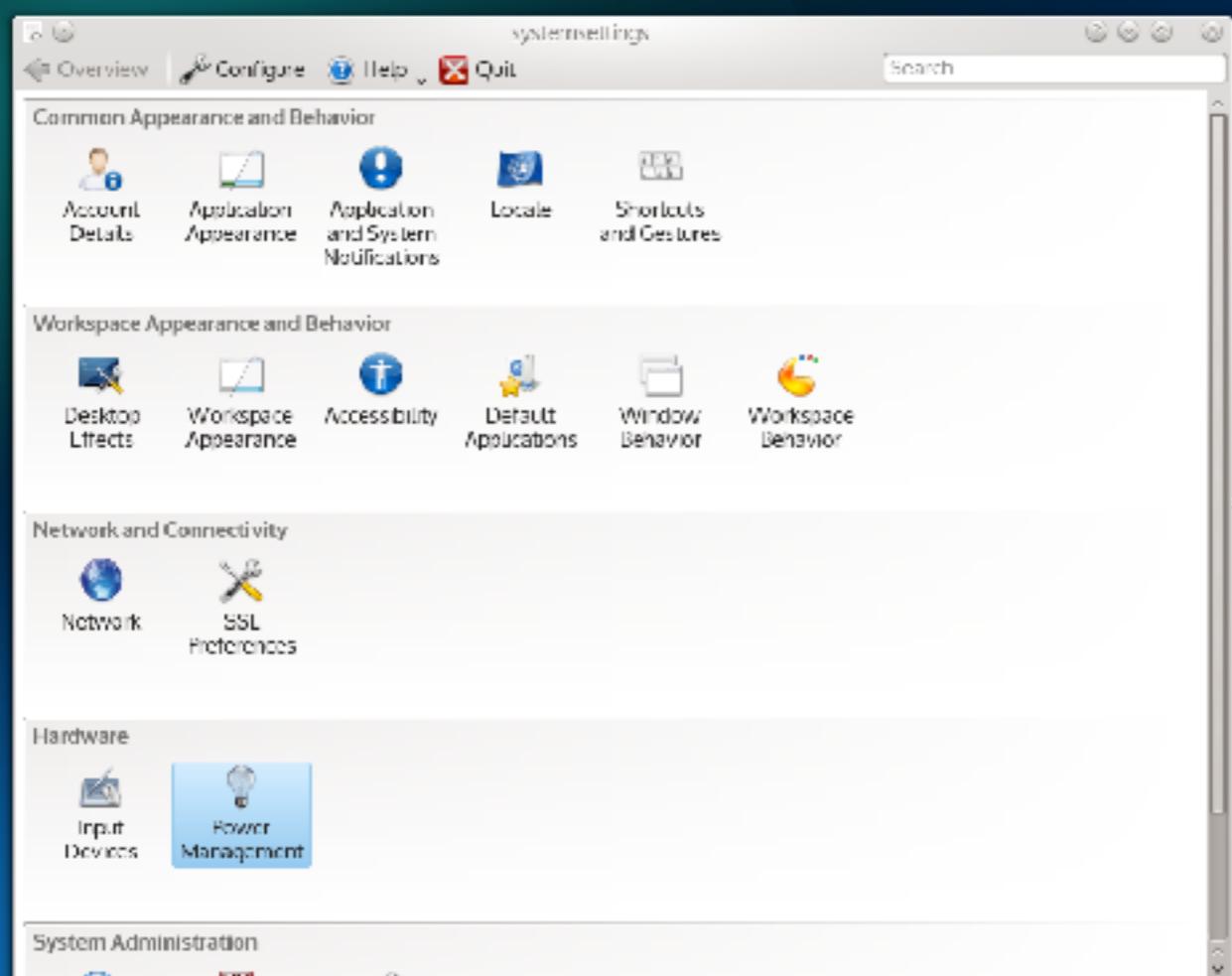
Linux发行版预览



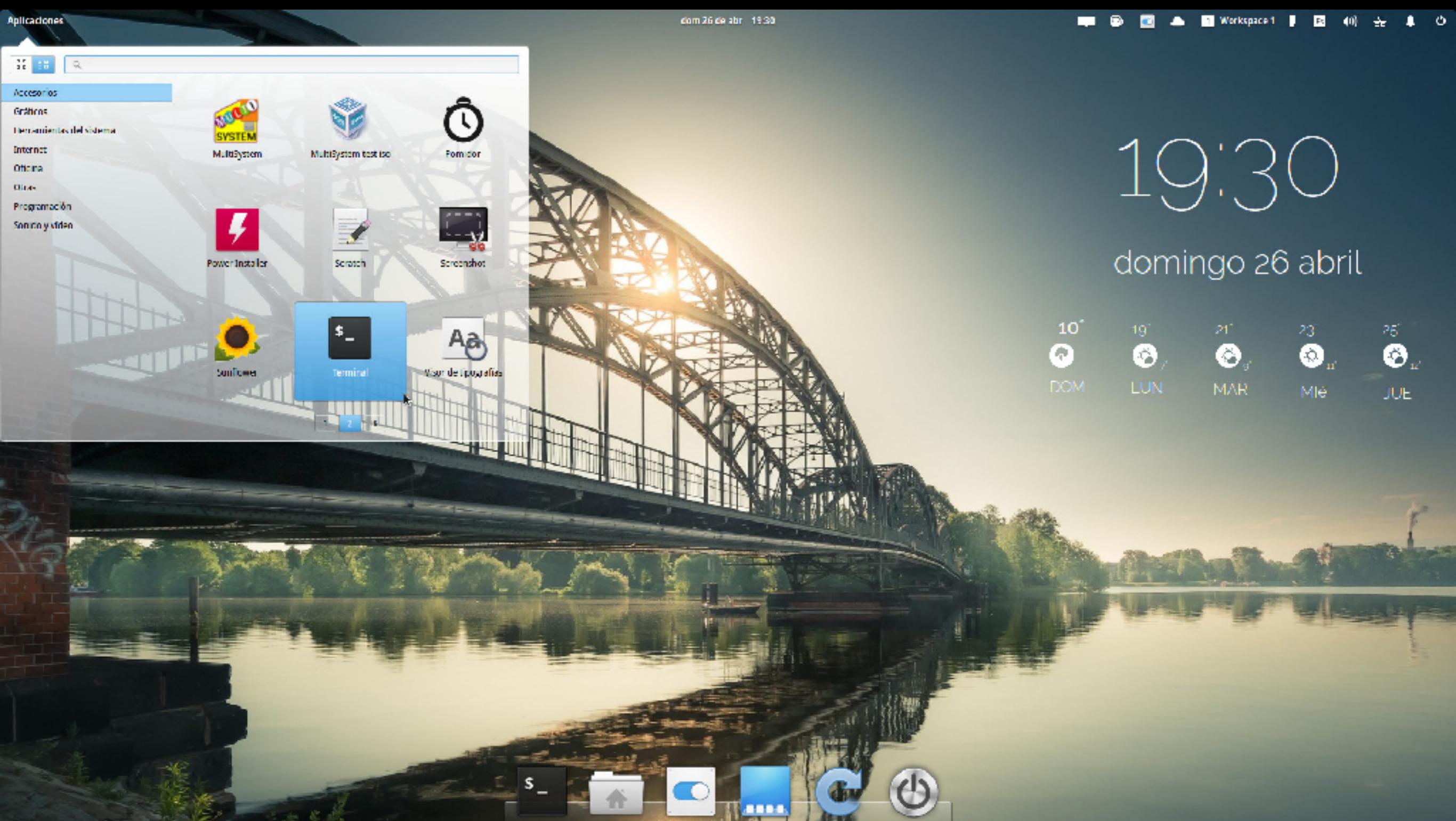
GNOME Shell



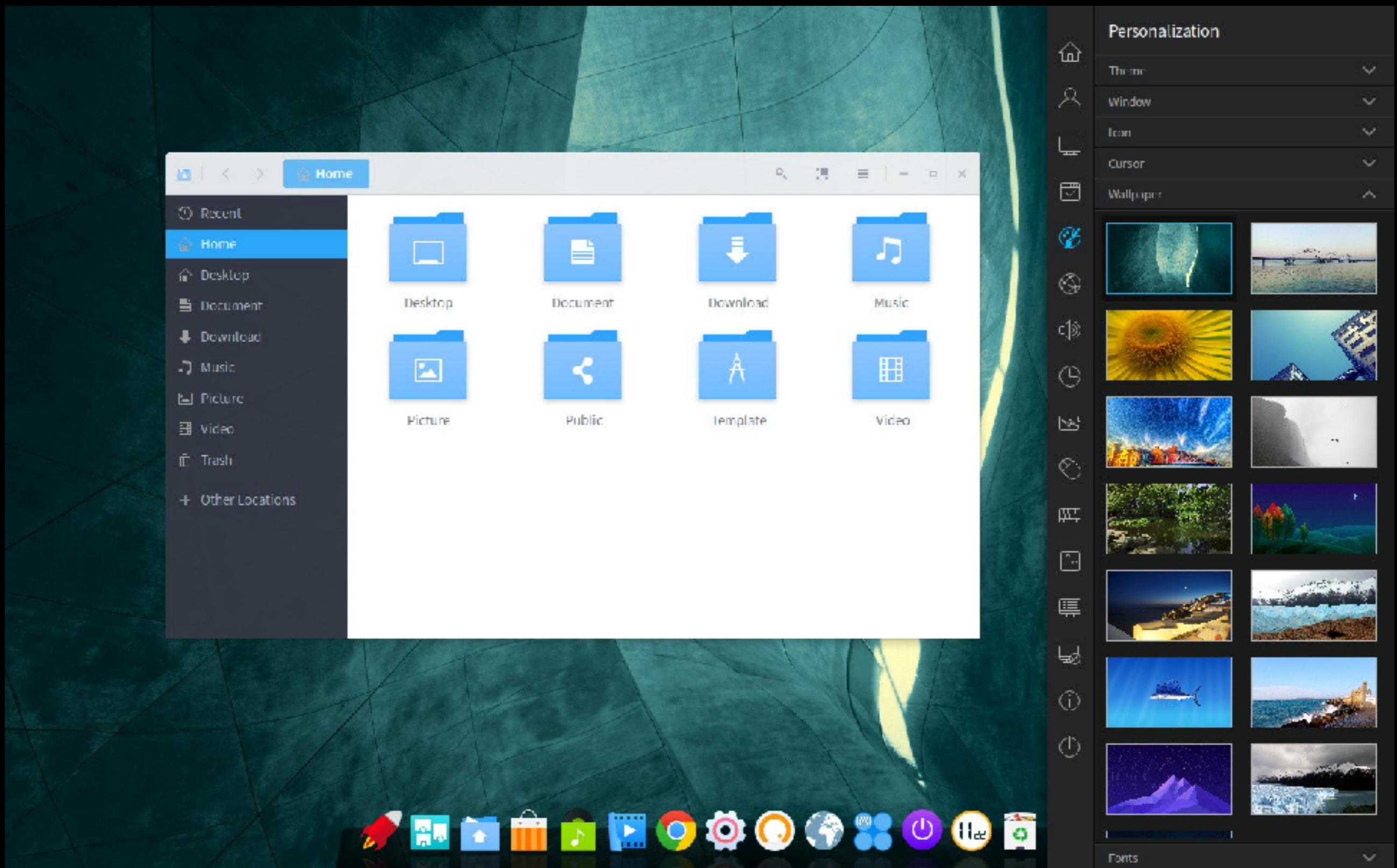
KDE Plasma



Elementary OS



Deepin Linux



Unity

The image shows the Ubuntu Unity desktop environment. A large search bar at the top contains the text "Internet". Below it, the Dash interface displays search results for "Internet" across three categories: Applications, Files, and Music.

Applications: Firefox, Pidgin, Skype, Chromium

Files: Scene-1.swf, The.Informant.2009...Bl.cdr1.avi, Install.odt, Read me.odt

Music: Second trial man guilty of murder, BEATLES, reggaespoktar, No real rise in schools spending, Berlusconi plea ahead of key vote

On the right side of the Dash, there is a vertical sidebar with a search bar, a "Refine search" dropdown set to "All", and tabs for Applications, Files, Music, and Social Messages. Below these are "Sources" buttons for My Computer, Ubuntu One, Software Centre, Amazon, Grooveshark, and Spotify. A small video player window for BBC Radio 5 live is also visible.

At the bottom of the screen, there is a news summary card for "Second trial man guilty of murder" and a "Features & Analysis" card featuring a video thumbnail of a man speaking.

常用命令

Linux命令大全

- 文件/目录相关: ls, cd, pwd, mv, cp, rm, mkdir, cat, touch, find, tar
- 文本处理: echo, grep, sed, wc, tee, sort, vi
- 操作系统相关: shutdown, reboot, w, ps, kill, df

shell程序

```
#!/bin/sh
cd ~
mkdir shell_tut
cd shell_tut

for ((i=0; i<10; i++)); do
    touch test_$i.txt
done
```

脚本解釋器

- sh
- bash
- dash
- Perl、Python、PHP、Ruby

Git

- 创建新仓库 git init
- 检出仓库 git clone

工作流

工作目录、暂存区 (Index) 、HEAD



添加和提交

添加到暂存区：

```
git add <filename>  
git add *
```

提交改动：

```
git commit -m "代码提交信息"
```

- 推送改动 git push

- 分支
- 更新、合并
- 标签
- 修改记录 git log

Linux用户协会

- 首页：<https://lug.ustc.edu.cn/>
- 活动室：西区图书馆206室
- 入门公开课：<https://ftp.ustclug.org/course/>