



UKUI轻量级桌面环境

Jack Yu

Ubuntu Kylin Team

UK UKUI

发展历程



History

设计理念



Design

当前进展



State

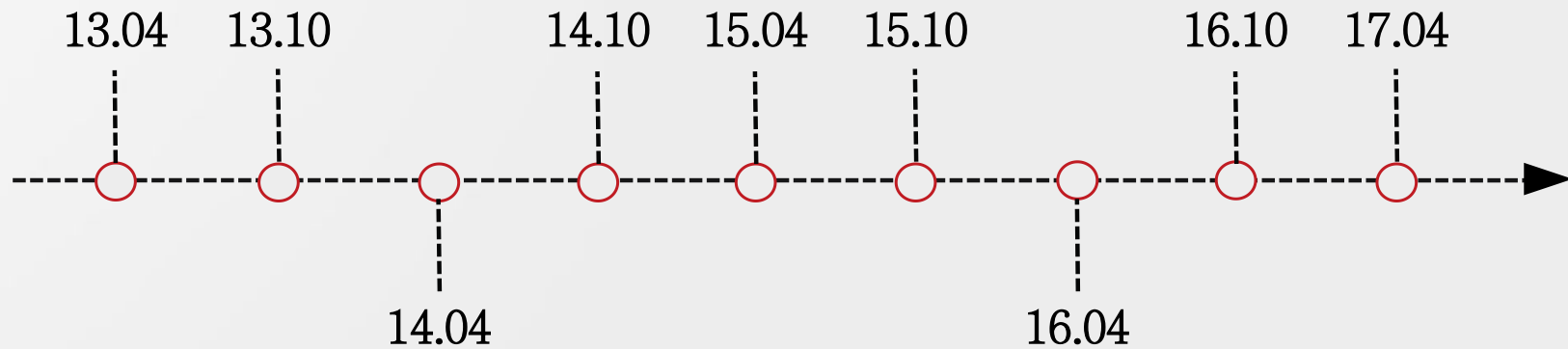
后续计划



Plan

优麒麟桌面环境发展历程

Unity $\longrightarrow$ Unity+ $\longrightarrow$ UKUI



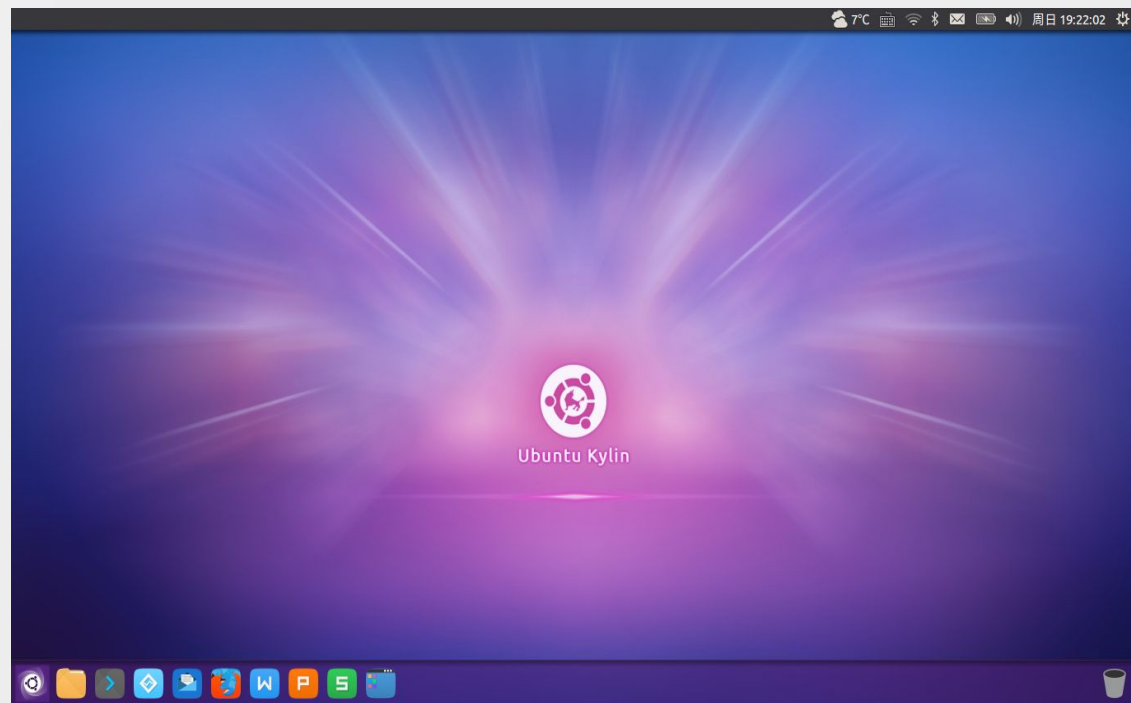
Unity阶段

- 2013年成为Ubuntu官方Flavor
- 增强提高使用易用性
 - 定制修改Dash搜索
 - 增强Launcher引导



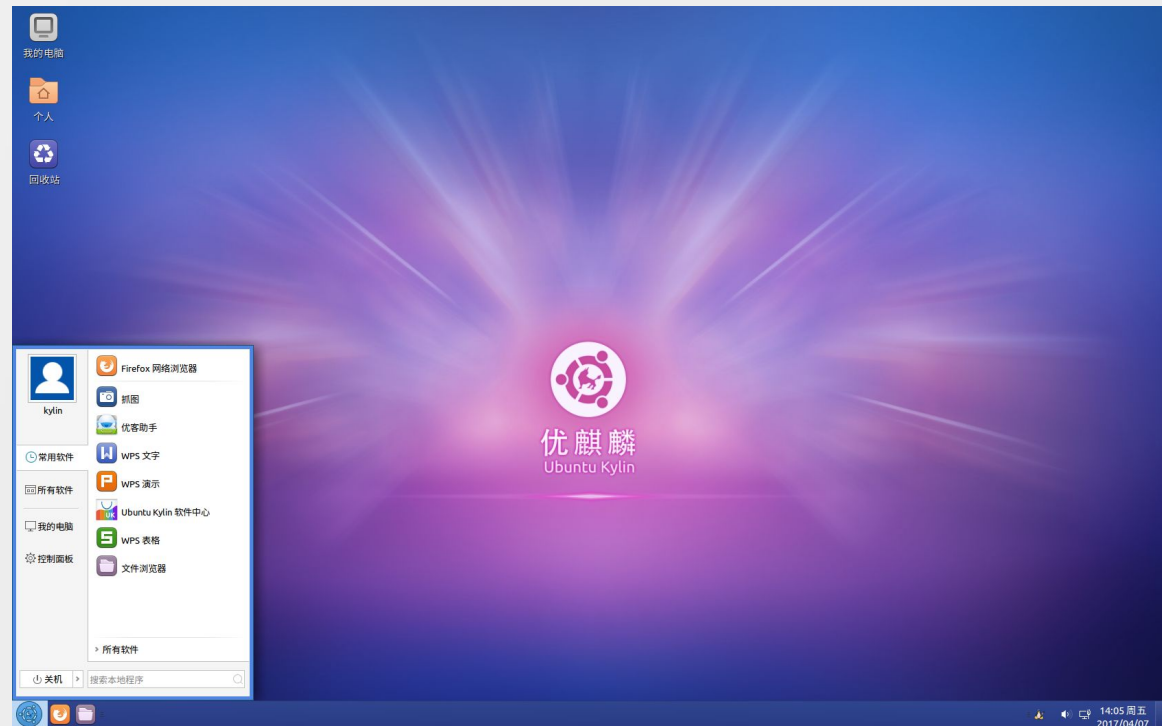
Unity+阶段

- 2014年开始沟通尝试修改
 - 参与unity7的开发
 - 将launcher改为panel风格
 - 主题风格的深入定制
- 16.04时正式集成到优麒麟



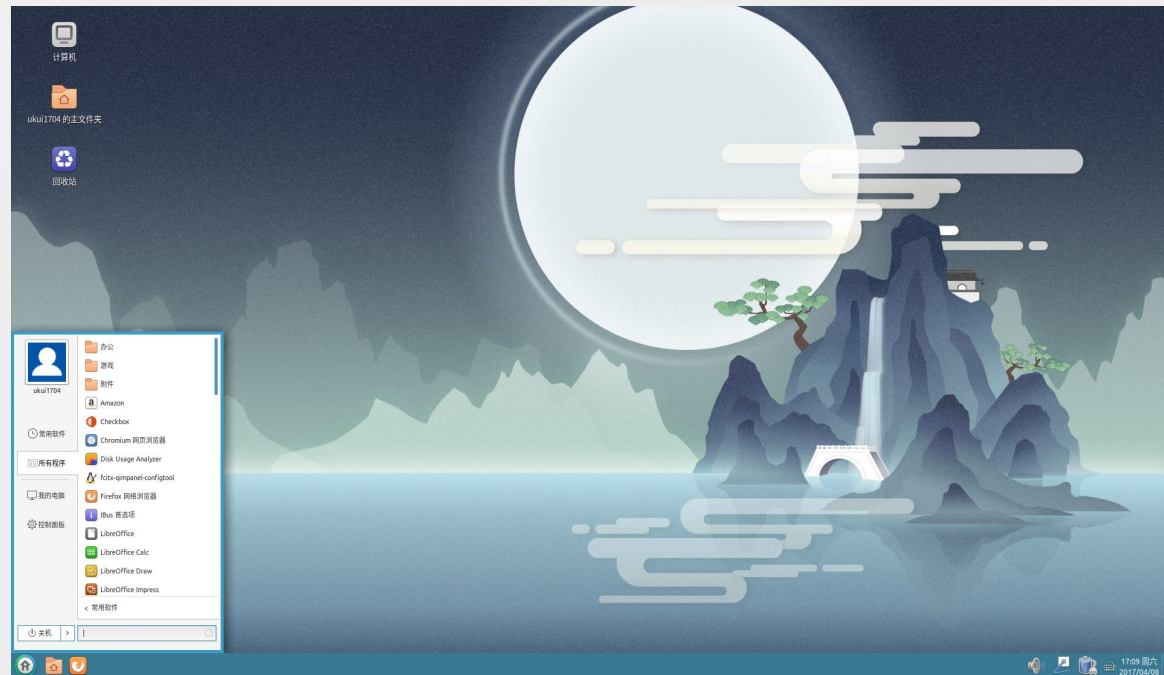
UKUI阶段

- 2016年16.04 UKUI预览版



UKUI阶段

- 2017年正式发布UKUI
- 并将作为17.04默认桌面



优麒麟桌面环境的发展历程

- 一路走来，不忘初心
 - 做更有中国味的操作系统
 - 让中国乃至世界的Linux用户获得更好的使用体验

为什么会有UKUI

- 世界上已经有很多“轮子”

- Gnome
 - Cinnamon
 - Mate
- KDE
- Unity
- LXDE
- XCFE
- DDE
-



每种桌面都有各自的特色

各色桌面环境不断更新换代

各自有不同的适用场景

为什么会有UKUI

- 用户遇到的问题(来源：麒麟、优麒麟、各种Linux发行版用户)
 - 使用习惯切换
 - 习惯Windows的用户使用习惯切换困难，主要是对系统功能组件的理解已经根深蒂固，很多东西没有了：找程序用开始菜单、找文件用资源管理器、设置系统用控制面板、……
 - 功能强大繁杂
 - 功能多了不一定是好事
 - 想用的程序难以快速找到位置
 - 界面风格和展示内容不定
 - 系统和应用风格
 - 应用展示动态变化
 - 接口没有统一和稳定
 - 接口变化会导致应用不兼容

为什么会有UKUI

- 关于桌面环境的思考
 - 新东西是不是好的？不一定，一定要兼容原来的
 - 强大的功能是不是好？不一定，够用就好，关键是易用
 - 频繁更新是不是好？不一定，必须得要稳定兼容
- UKUI的选择
 - 重复造轮子没必要
 - 针对问题，结合需求
 - 站在巨人的肩膀上改进和创新

UKUI的目标

- 我们想做什么
 - 主题风格统一，尽量兼容Windows使用习惯
 - 精简和轻量化设计，提升使用体验
 - 应用接口统一，提高兼容性

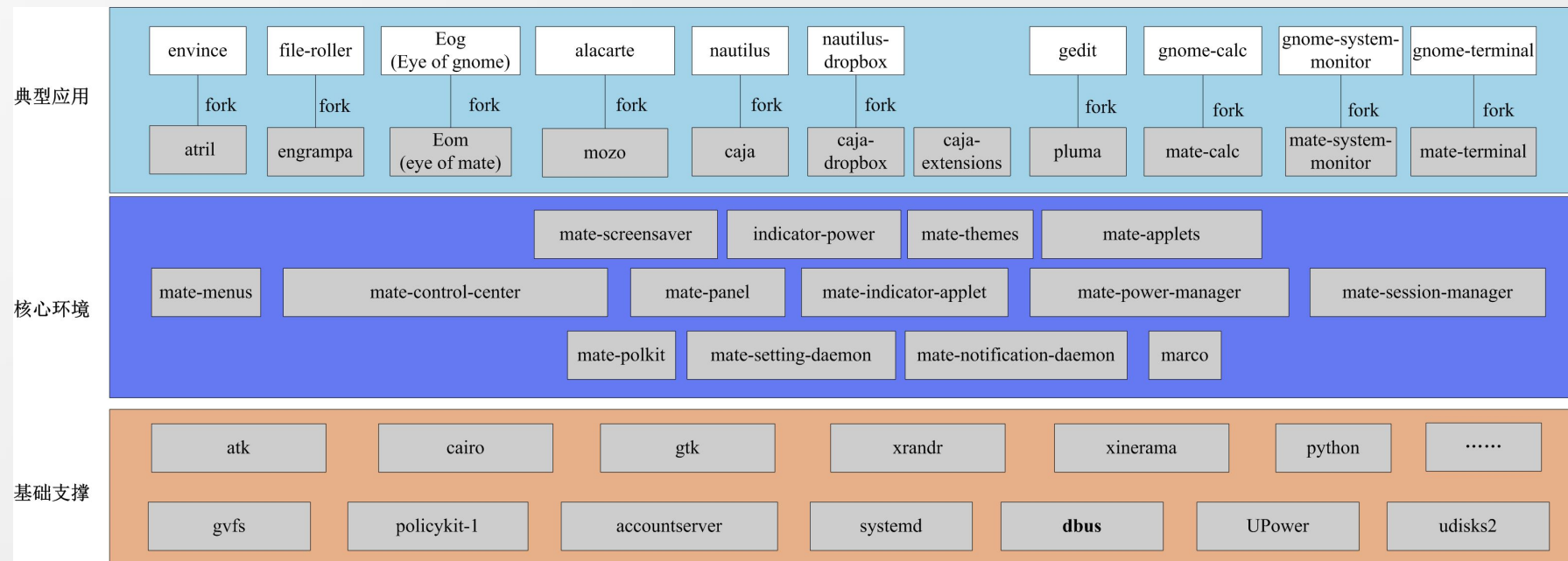
让用户可以更加轻松容易的使用Linux操作系统

设计理念

核心设计理念

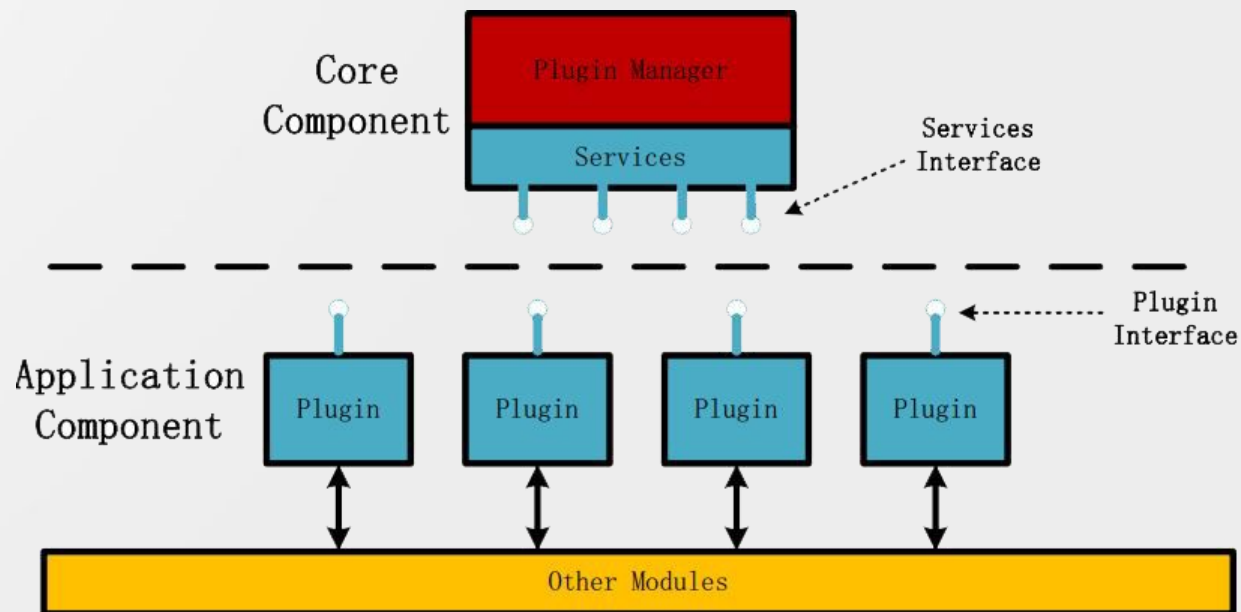
- 体系架构：
 - 层次和接口统一，为应用兼容提供支持
 - 关键组件：开始菜单、任务栏面板、文件管理器、控制面板、主题风格
- 主题风格：
 - 吸取百家之长，紧贴用户需求
 - 视觉：Windows+Ubuntu+自主设计
 - 交互：Windows+苹果+Ubuntu

Mate结构分析



UKUI的架构和设计

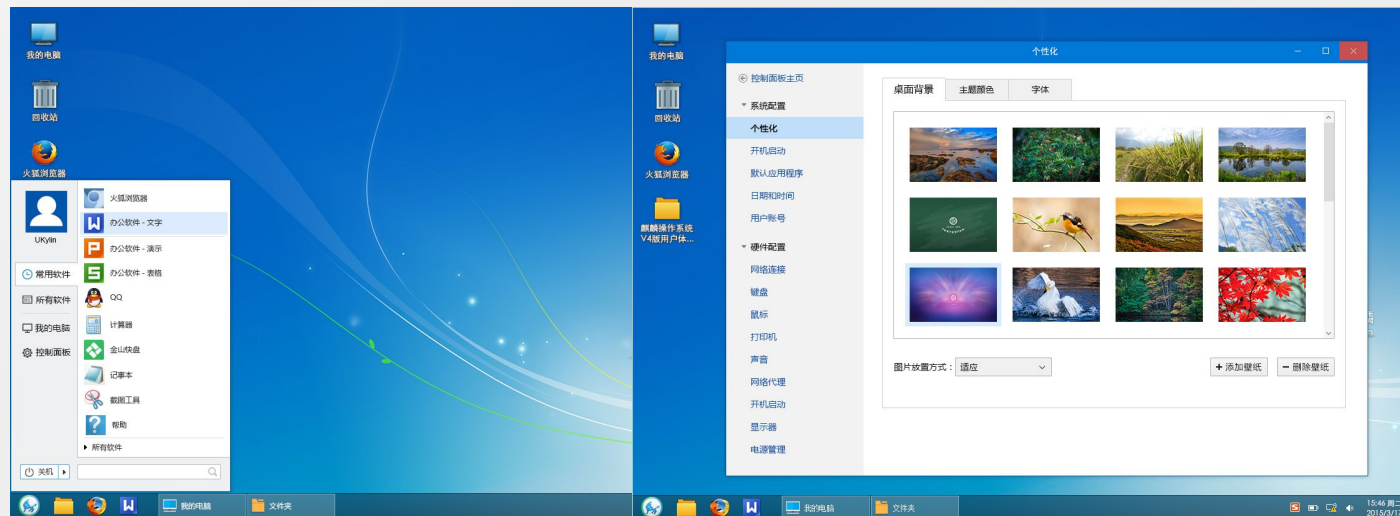
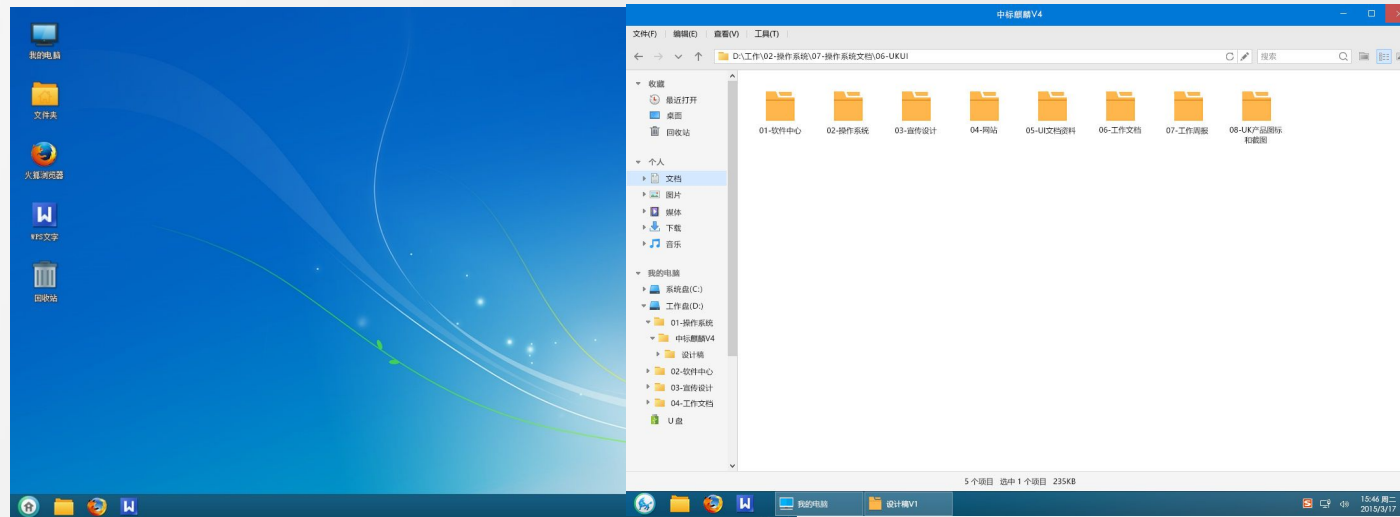
- 总体架构图（晚点儿替换）



开始菜单

- 更快速的找到应用
 - 应用的分类和管理
 - 分级展示和平铺展示
 - 中文拼音和关键词检索
- 更方便的记录习惯
 - 应用使用频率排序

界面效果



任务栏面板

- 提供标准完善的插件式接口
 - 托盘图标展示
 - 托盘程序界面和接口的统一
- 更方便的应用切换
 - 程序固定快速启动
 - 多应用的合并和快速切换
 - 程序悬浮提示

托盘

ip : 192.168.251.6
硬件地址 : 78:45:C4:3B:38:C0
链接 : 网络9
状态 : Internet 访问
速率 : 1000 Mb/s

15:46 周二
2015/3/17

网络链接

打开网络连接

15:46 周二
2015/3/17

当前连接到:
网络 1
已连接

无线网络链接

- ukylin
- hpz
- kylin
- TP-LINK-17DB2O
- TP-LINK-17DB2O

编辑连接

15:46 周二
2015/3/17

当前连接到:
网络 1
已连接

无线网络链接

- ukylin 连接
- kylin
- TP-LINK-17DB2O
- TP-LINK-17DB2O

编辑连接

15:46 周二
2015/3/17

没有网络连接

15:46 周二
2015/3/17

电量

电源充电 90%

15:46 周二
2015/3/17

90%可用电源
(电源已连接, 正在充电)

90%可用电源

电源选项

15:46 周二
2015/3/17

U盘

安全弹出-可移动磁盘(I:)

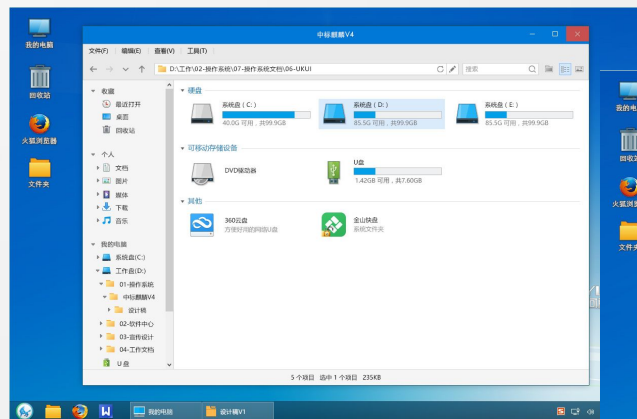
隐藏任务栏U盘图标

15:46 周二
2015/3/17

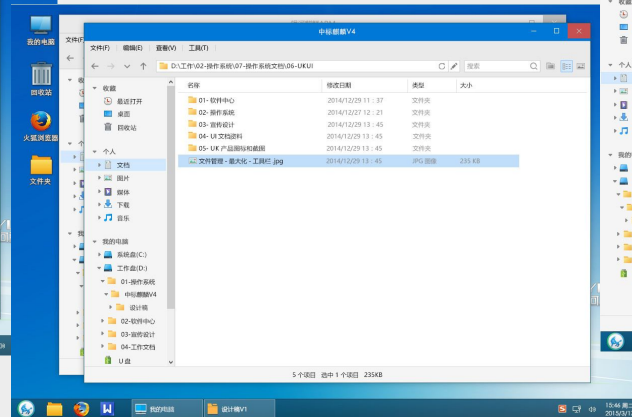
文件管理器

- 提供兼容的视图和习惯
 - 磁盘和目录的快速导航
 - 分区的展示
 - 文件夹和文件的视图

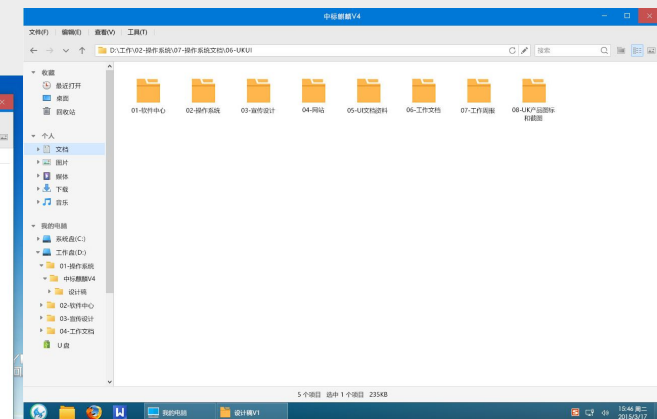
文档管理器——窗口



默认



多窗口

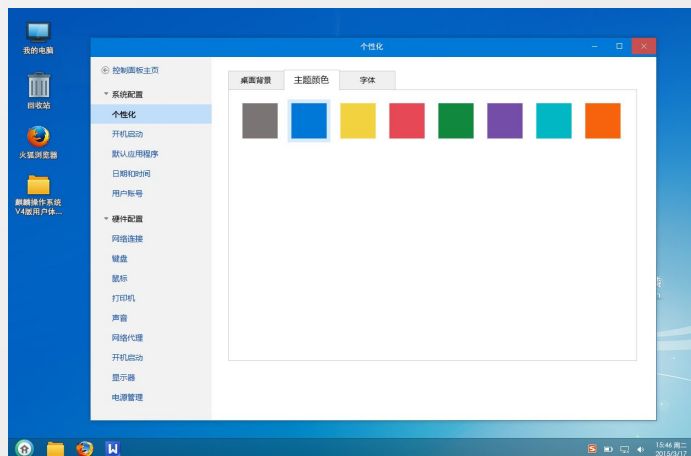
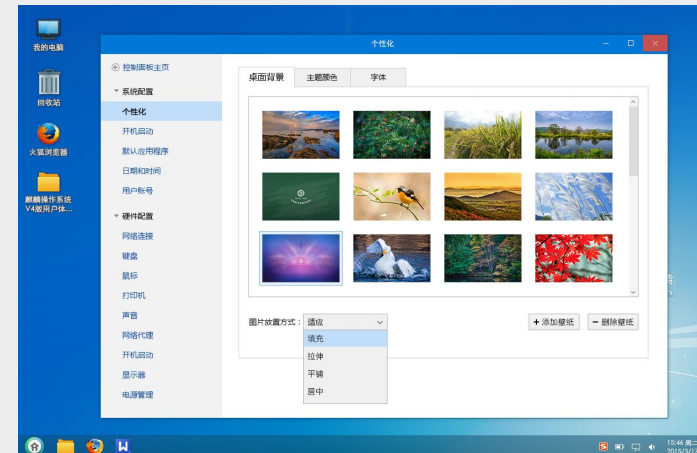
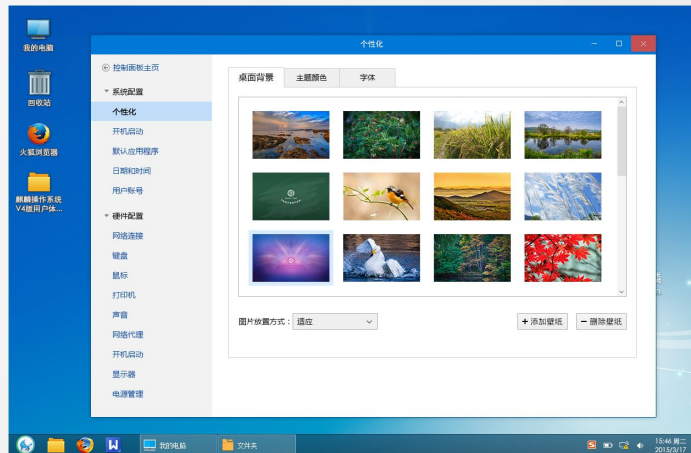


窗口最大化

控制面板

- 提供兼容的视图和习惯
 - 磁盘和目录的快速导航
 - 分区的展示
 - 文件夹和文件的视图

控制面板——个性化



主题风格

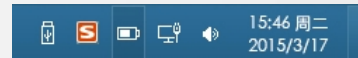
- 提供

图标

左侧图标

- ▼ 收藏
 - 最近打开
 - 桌面
 - 回收站
- ▼ 个人
 - 文档
 - 图片
 - 媒体
 - 下载
- ▼ 我的电脑
 - 系统盘 (C:)
 - 工作盘 (D:)
 - 01-操作系统
 - 中标麒麟V4
 - 设计稿
 - 02-软件中心
 - 03-宣传设计
 - 04-工作文档

任务栏托盘图标



桌面图标



文档管理器右侧图标



控制面板图标



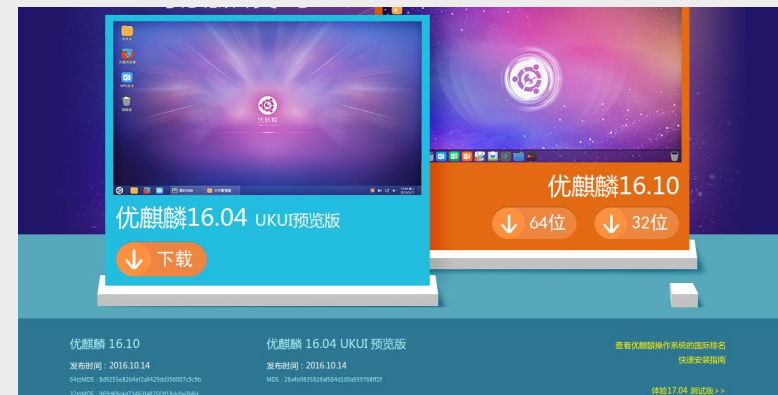
当前的进展

基于Mate定制扩展

- 主要组件实现了初步的效果
 - 开始菜单
 - 任务栏面板
 - 文件管理器
 - 控制面板
- 存在的问题
 - 基于GTK2，后续升级和应用兼容不方便
 - 改进的内容太多，无法直接进入mate上游

16.04 UKUI预览版

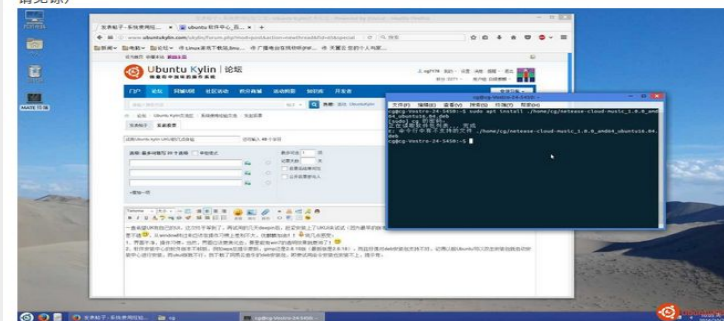
- 版本效果
 - 集成到16.04版本官网发布
 - 建立了相应的软件源，可以在线升级
- 用户反馈
 - 大家普遍反馈界面更熟悉
 - 对于改进充满期待



一直希望UbuntuKylin有自己的UI（优麒麟16.04 UKUI预览版），这次终于等到了，在试用的几天deepin后，赶紧安装上了UKUI来试试（因为最早版本不支持efi，因此等了几天），作为预览版，总体感觉应该算是不错，从window转过来应该在操作习惯上差别不大，优麒麟加油！

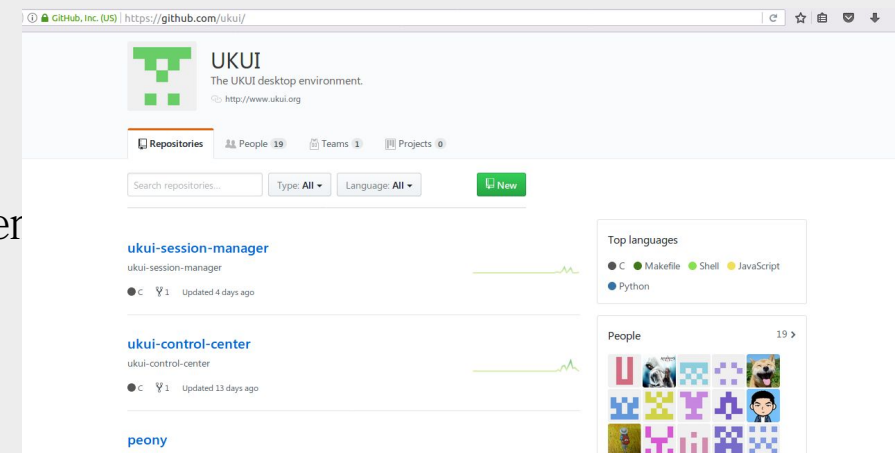
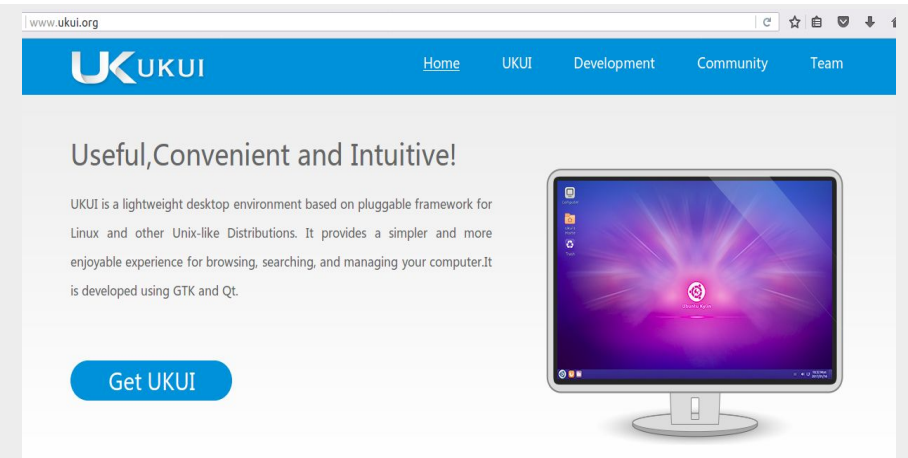
说几点感受：

- 1.界面干净，操作习惯。当然，界面应该更美化些，要是能有win7的透明效果就更帅了！（我对现在流行的平面化风潮特别不感冒）
- 2.软件安装中心的软件版本不够新，例如wps总提示更新，gimp还是2.8.16版（最新版是2.8.18）。而且好像对deb安装包支持不好，记得以前Ubuntu可以双击安装包就启动安装中心进行安装，而ukui版就不行。我下载了网易云音乐的deb安装包，即使试用命令安装也安装不上，提示如图。（我对命令不熟，如有错误，还请见谅）



建立UKUI分支

- 主要改进
 - 升级到GTK3
 - 软件包的改名和重新构建
 - 形成UKUI的体系
- 构建平台
 - github平台: www.github.com/ukui
 - ukui官网:www.ukui.org
 - PPA: <https://launchpad.net/~ubuntukylin-mer>



进入Ubuntu仓库

- 按照Ubuntu规则进行完善
 - 理清和完善版权规则
 - 按照流程完成新包入库
- 作为优麒麟17.04的默认桌面
 - 相应的修改版本配置
 - 更新相应的主题和壁纸

The screenshot shows a web browser window displaying a bug report on the Launchpad platform. The URL in the address bar is <https://bugs.launchpad.net/ubuntu/kylin/+bug/1663477>. The page title is "[FFe] UKUI desktop environment". Below the title, it says "Bug #1663477 reported by handsome_feng on 2017-02-10". A status bar indicates "This bug affects you and 10 other people" with a flame icon and the number 70. The main content area features a table with the following data:

Affects	Status	Importance	Assigned to	Milestone
Ubuntu Kylin	Fix Released	Critical	Unassigned	Ubuntu Kylin zesty-finalrelease
ukui-desktop-environment (Ubuntu)	Fix Released	Wishlist	Unassigned	

Below the table, there are links: "Also affects project", "Also affects distribution/package", and "Target to series". The "Bug Description" section contains the following text:

UKUI is a lightweight desktop environment for Ubuntu Kylin. It provides a simpler and more enjoyable experience for browsing, searching, and managing your computer. UKUI is a fork of MATE desktop environment, so the packages are also forks from those of MATE. We have to fork a new road for the following reasons:

(1) Most Chinese users are more familiar with interfaces similar to Windows. UKUI has reimplemented key interfaces such as menu, indicator, panel, control center etc. We ever released a preview version on 16.04 and received a lot of positive feedbacks.

<http://www.ubuntu-kylin.com/news/shownews.php?lang=en&id=620>
<http://www.ubuntu-kylin.com/ukui/forum.php?mod=viewthread&tid=27461>

(2) UKUI has made many many code and configuration changes from MATE.



CATEGORIES ▾ GAMING SUBMIT NEWS ▾

Search OMG! Ubuntu!

Go to the home page

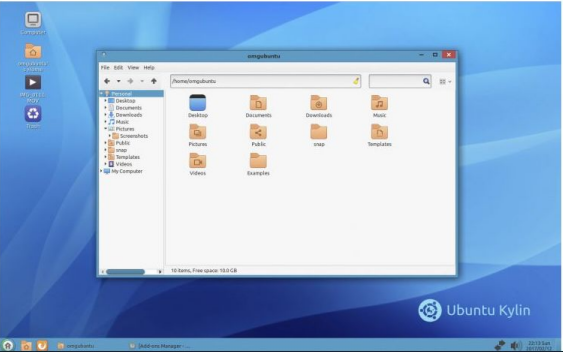
how to
**RESET
UBUNTU**

Meet The New Linux Desktop Environment Inspired by Windows 7

Ubuntu Kylin has forked MATE to create something better suited to their users

BY **JOEY SNEDDON** UNDER **EXCLUSIVE** FEBRUARY 13, 2017

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Ubuntu Kylin



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This Week's Most Read

- Gemini PDA is a 5.7-inch, 10-Core PDA That Runs Android & Linux
- Vivaldi 1.8 Debuts With Insanely Cool Browsing Stats Feature
- Reset Ubuntu to Default with This New App
- This Xfce Bug Is Wrecking Users' Monitors

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Home > The Hub > Tech News and Reviews > UKUI the Windows 7 inspired Desktop environment



UKUI the Windows 7 inspired Desktop environment

Started by **suicidalfranco**, February 14 · 21 replies

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suicidalfranco
Member
2,806 posts
Member
Location: Hefei

Posted February 14 · **Original Poster**



Who hasn't considered going Linux after the launch of Windows 10 only to find themselves confused and having to adapt to a new unknown desktop environment? no one.
[Enters UKUI](#)

Featured Comment



Martina Neumann
Looks very interesting
migrating from...

32 ^ v Share

Re: [ukui/ukui-menu] Why not support Brisk menu instead of forking
发件人: cinnamoner <notifications@github.com> 向 @handsome-feng 代发
(由 bounces+848413-6e3b-liljanfeng@kylinos.cn@gmail.com 代发)
时 间: 2017年2月22日(星期二) 凌晨3:41
收件人: ukui/ukui-menu <ukui-menu@noreply.github.com>; Mention <mention@noreply.github.com>; handsome-feng <liljanfeng@kylinos.cn>;
抄 送: handsome-feng <liljanfeng@kylinos.cn>;
您还可以将此发件人发来的邮件, 自动归档到“邮件归档”文件夹 自动归档

@handsome-feng Okay. What Dave (the guy in the video failed to understand) is that the UKUI menu is better than Brisk. Might have that bug or might not, I don't know.

You are receiving this because you were mentioned.
Reply to this email directly, [view it on GitHub](#), or [mute the thread](#).

Re: [ukui/ukui-menu] Why not support Brisk menu instead of forking
发件人: cinnamoner <notifications@github.com> 向 @handsome-feng 代发
(由 bounces+848413-6e3b-liljanfeng@kylinos.cn@gmail.com 代发)
时 间: 2017年2月21日(星期二) 晚上8:47
收件人: ukui/ukui-menu <ukui-menu@noreply.github.com>; handsome-feng <liljanfeng@kylinos.cn>;
抄 送: handsome-feng <liljanfeng@kylinos.cn>;
您还可以将此发件人发来的邮件, 自动归档到“邮件归档”文件夹 自动归档

@handsome-feng You bet. Brisk is a fine menu, but it's not worth checking. I have come to favour Mate over Windows menu. Great design is great design and one should not make the UKUI menu fully compatible with Windows menu. It has been achieved in Cinnamon.

Also, there seems to be a bug in conjunction with the UKUI menu.

You are receiving this because you were mentioned.
Reply to this email directly, [view it on GitHub](#), or [mute the thread](#).

[Bug 1663477] Re: [needs-packaging] UKUI desktop environment

Martin Wimpress
2月14日 21:19 发给 jianfengli

Hi,

Upstream MATE core team member and maintainer for Ubuntu MATE here. Congratulations on UKUI, it looks very interesting :-)

I would like to encourage you to engage with the MATE team, you can find us in #mate-dev on Freenode. The main people to contact are flexiondotorg (me), raveit65 and monsta.

We'd be interested in finding out why forking all those components is required and if we can do something in MATE to reduce that effort. Certainly we will all be better off working on the same code and MATE would welcome new developers to the team :-)

Also what did you fork from exactly? It looks like you may have forked from Debian source packages?

If so, was it from my PPA (ppa:ubuntu-mate-dev/xenial-mate) or from the Ubuntu archive. What Ubuntu release did you fork from?

I ask because it looks like you may have forked from the GTK2+ builds which are no longer maintained upstream, we have switched entirely to GTK3+ in MATE 1.17 and dropped all GTK2+ specific code from the project. Just fair warning, that if you've forked from GTK2+ builds, the upstream code will continue to diverge and you'll likely lose any benefit of fixes and new features landing upstream.

Please do come and introduce yourselves to the MATE team in IRC and I wish you every success with your project :-)

Bottom line: I like the UKUI

... from Windows and they seem to like the
It's fully operational on Cinnamon. It's
as close as possible to the Windows
virtually undistinguishable from the
ugh. I've got high hopes.

treat menu. 🍌

Lock conversation

一点感想

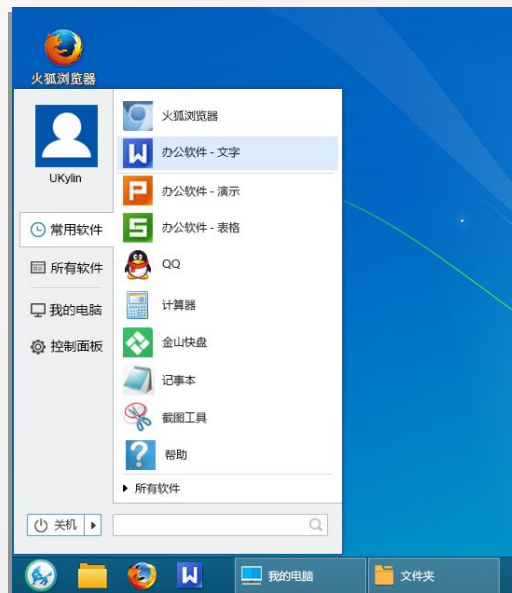
- 谈谈关于Unity的问题。。。。
- 桌面发展的方向和模式
 - 开放
 - 大众
- 为什么要

长远的计划

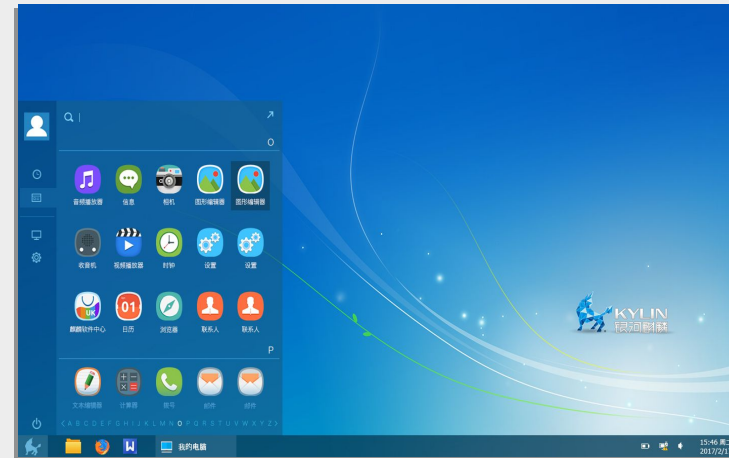
考虑兼容触摸屏操作习惯，放大ICON尺寸
支持滑动操作，多点触摸操作等



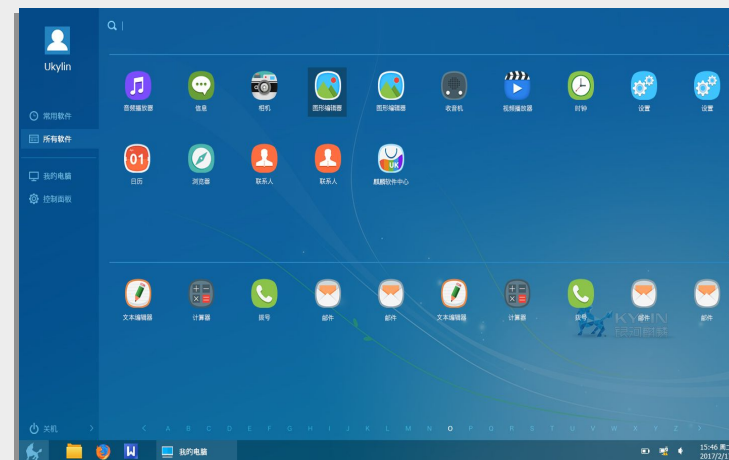
UKUI 2.0



UKUI 3.0



普通开始菜单界面



全屏开始菜单界面

在视觉效果与功能可见性之间寻找平衡点

ICON : 扁平+纯色

应用效果



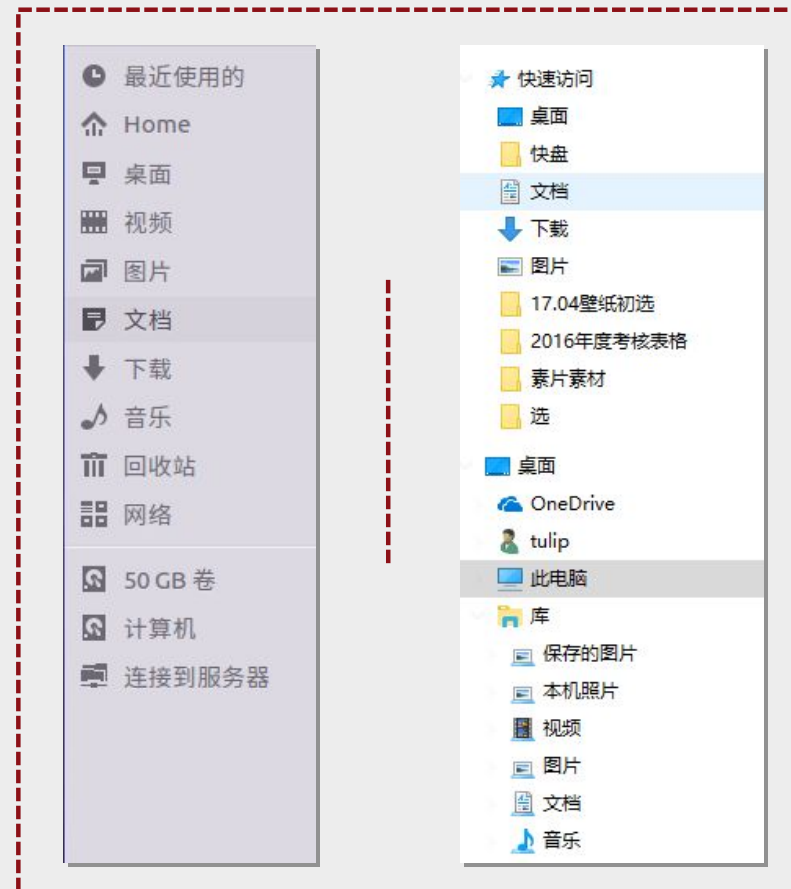
ICON色板



UKUI 2.0



UKUI 3.0



UK UKUI

THANKS
——你们的支持是我们前进的动力