OPENTHOS?

Yeah, it's cool.

Desktop?

Absolutely. We should make it better than ever.

Kevin SONG

Emindsoft Co.,Ltd.

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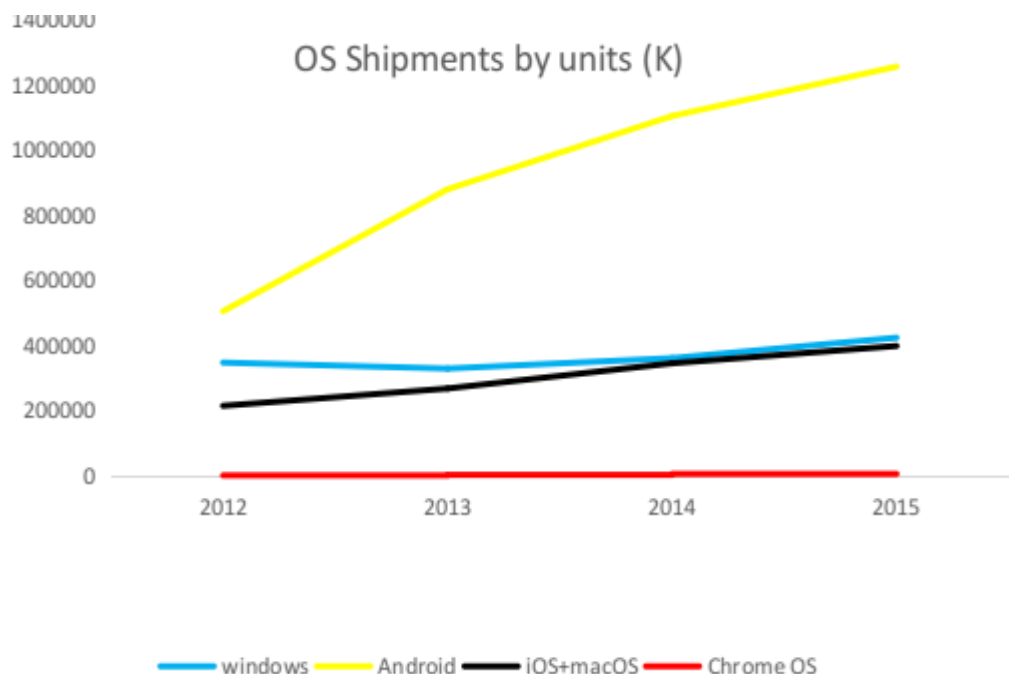
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1 Background

Background

June 2015, marcket research, data collection, comparison with Linux Desktop

Novenmber 2015, Emindsoft, Tongfang & Tsinghua Univ. the core developer team

April 2016, OPENTHOS community was ready, and upload code to github

September 2016, OPENTHOS ISO released

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Background

OS Shipments by units (K)

- The next generation OS trend.
  - Windows UWP
  - macOS + iOS
  - Android (+Chrome?)
- the ecosystem around Wintel is decline.
- Others are out of competition.

终端操作系统发生了根本性变革
The terminal OS has been fundamentally changed.

Background

And then, we try to make the Desktop better with Android,
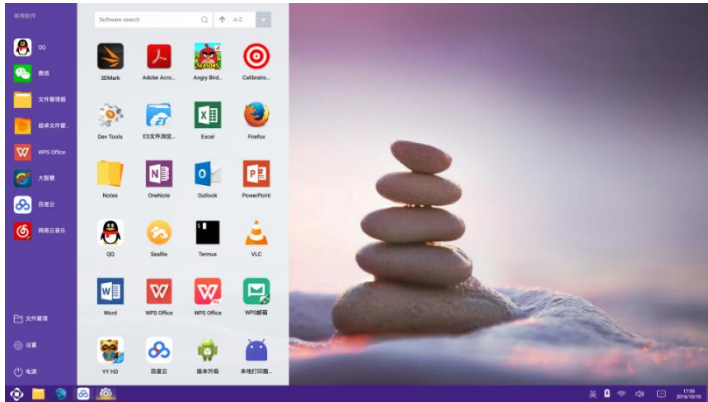So OPENTHOS is coming

2 OPENTHOS

What is OPENTHOS?

OPENTHOS keeps the users' habit and experience of personal computer operating system and allows millions of mainstream Android applications online at one time. It is a multi-window and multi-task operation. Users can freely switch to any window. Convient taskbar makes us work more efficiently.

OPENTHOS is jointly developed by Tsinghua University, Tongfang Co., Ltd. and Emindsoft Co., Ltd., which is a Android-x86 desktop operating. You can apply it to your personal computer or tablet personal computer. As the first domestic open source—Android-x86 desktop operating system, OPENTHOS can be used by millions of mainstream Android users. You can use it no matter when you at home or at work. Based on OPENTHOS open source project, Emindsoft Co., Ltd. launched a new Android customized version—Emind OS.

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Design Goal

1. High performance operating system
   - Android desktop orientation
   - Low-end hardware, high fluency,
2. Android Ecosystem
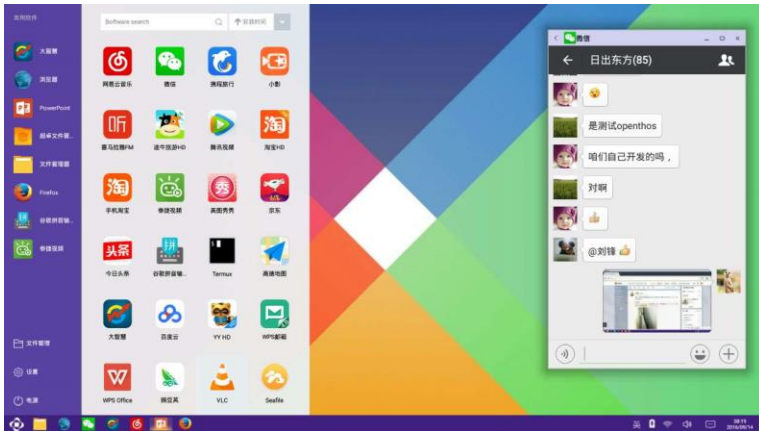   - Applications
   - Developers

3.High security
   Users could get more choice of code and development platform
4. Cross platform
   The first step is to transfer it to Intel X86 , and then we will
   transfer it to MIPS.

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Android Desktop

1. Complete multi window manager：supporting the users' multi-window operation

2. Tablet PC—mobile dual mode

3.Keyboard, mouse+ touch screen overall optimization

4. Rewriting desktop core applications, such as, supporting printer. At the same time, some of the programs are Android mobile applicaitons and they are only applicable to vertical screen. We also deal with this problem. Such as Wechat, we also let it work on the vertical screen.

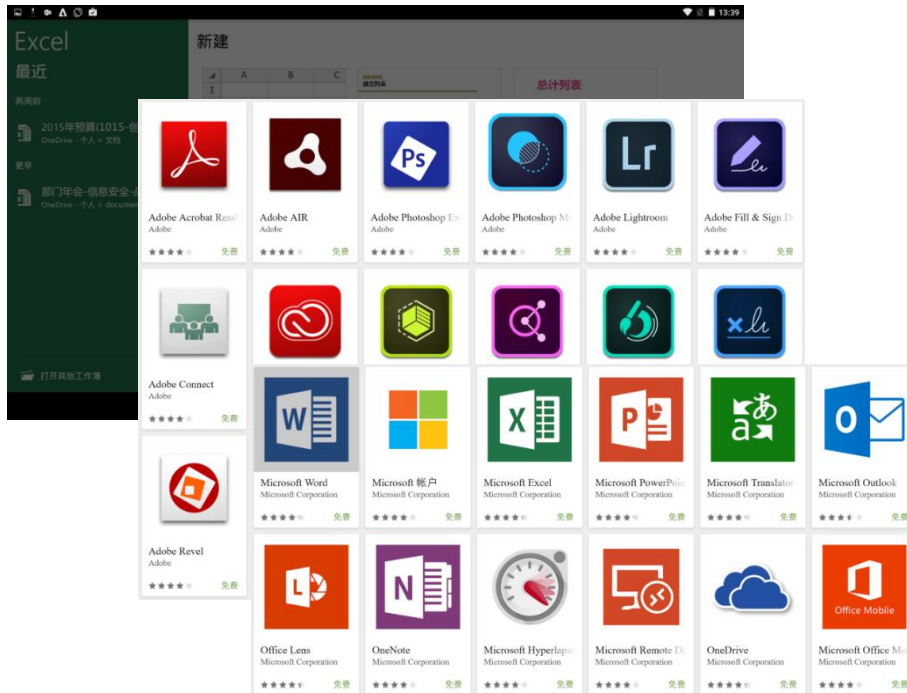# Android Desktop

Because Android itself at first is a relatively low performance hardware platform. We can get on the desktop.Resolution of desktop is not higher than the mobile. It is lower than mobile's. For example, the common resolution of mobile is 2K, while the notebook still remains 1366*768. The highest resolution is 1920*1080. Thus OPENTHOS can give users a better experience.

Optimization of software and hardware design
more relaxed heat radiation and power consumption
Similar to the resolution of the mobile platform
high fluency
Low latency
applicaiton design is in the hardware abilities

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Android Ecosystem

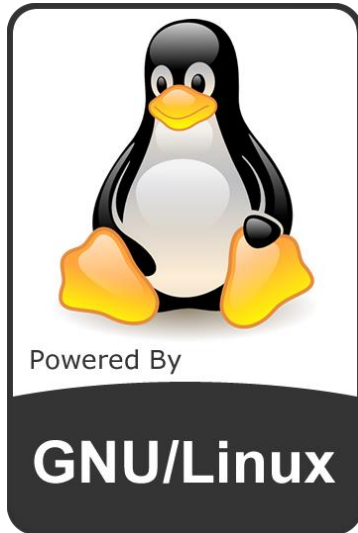1.5 million Android original applicaitons

Mature development ecology, more than 400

thousand developers

Business application software is flourishing

OPENTHOS is come from open source community.

OPENTHOS is a open soure community,also.

OPENTHOS open source community
- https://dev.openthos.org and http://www.emindos.org

    the core developers from Emindsoft, Tongfang, Tsinghua Univ., Peking Univ.,
        Beijing Univ. of Tech., Nankai Univ., etc.
    Cooperation with Chinese Academy of Sciences, Lanzhou Univ., Beijing Univ.
        open source community and Tsinghua TUNA

Apache-like open source protocol ： Code, UI/UX design and documentation
At the end of September, we provide early preview of ISO, now, it was
    downloaded over 2000 times

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To do list

Multi computer screen and desktop

More hardware support：sensor,biological identification equipment and handle

More original applications：Picture editor, media player and task manager

Perfect desktop mode and provide third party APP desktop mode norms and

suggestions

Seamless multi screen：Synchronization of user's current environment (including APP,

data and dynamic data, such as the content of browser and clipboard)

Theme Engine

Priority will be determined by the community vote.

Work with other equipment

Intelligent equipment

Android Wear

Sensor and controller

Rapid information processing

Desktop unlock and auto-lock
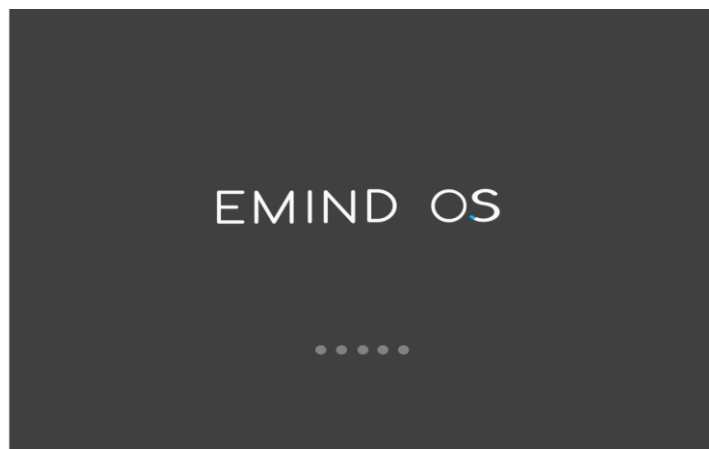
Android phone

Automatic data synchronization

Screen intertransmission

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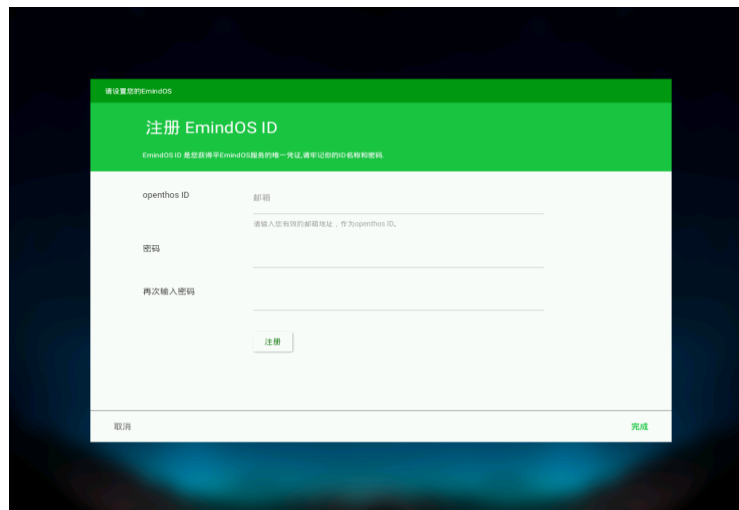Emindsoft

3 Emind OS

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Emind OS

EMIND OS

Emind OS = OPENTHOS+

Stability
Value added
Trust computing
Technical support
Maintenances
……

Emindsoft provided Emind OS, which is a business

distribution based on OPENTHOS

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EmindOS ID

1)Emind OS ID：This ID is a frequently-used email address.

2) Verification code：Verification code is received in the mailbox.

3) Password：Digital, English and special characters that conform to the code rules.

Enter password again：Enter password again and only once.

It is worth noticng that a Emind ID can be applied to all Emind products.

EmindOS files manager

EmindOS files manager has the following functions, such as creating, opening, viewing, editing, moving and deleting files and other functions. It can help users manage files, deal with daily work, manage local storage and so on. In addition, it also can integrate multi format file preview.

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EmindOS APP Store

Emind OS is equipped with well developed Emind application store and massive applications can be acquired easily. In addition, the Emind APP store has very strict requirements and we are responsible for the users and the products.

감사합니다

ありがとう

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