Training Session

Extensions GNOME Shell

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GNOME.Asia 2013 in Korea

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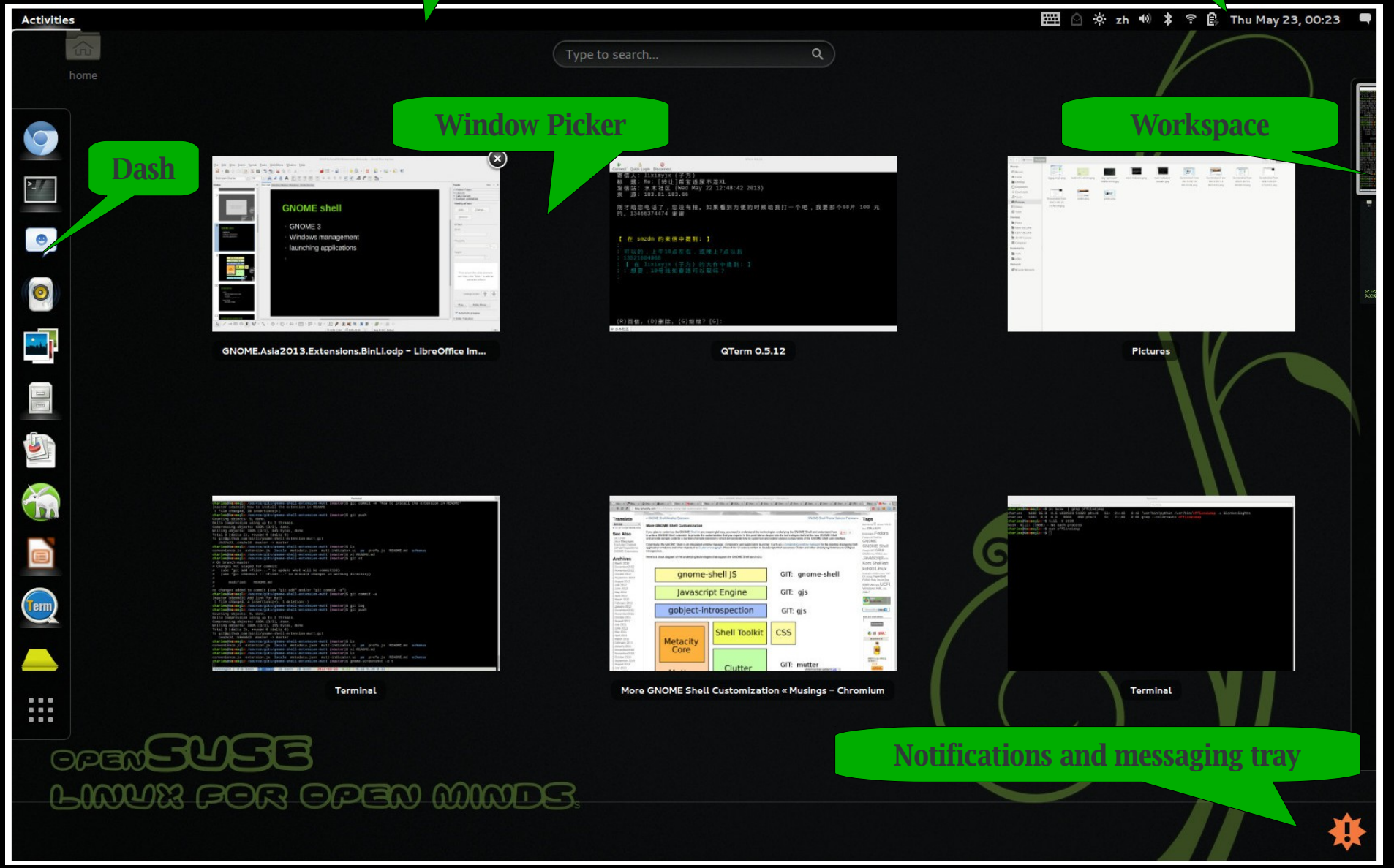
Agenda

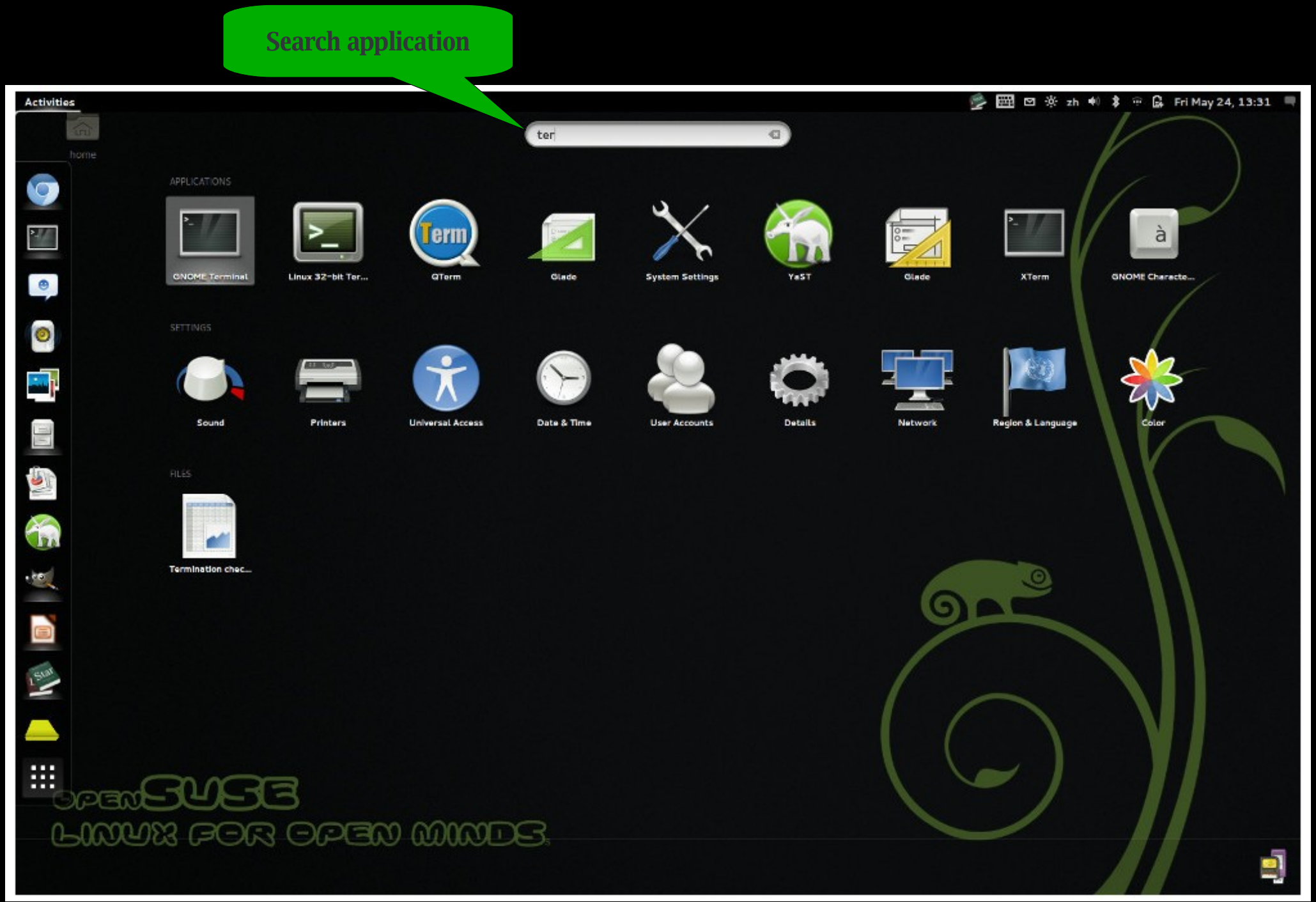
- Introduction GNOME Shell
- Introduction Extension
- Low hanging fruit
-

GNOME shell

- GNOME 3
- Windows management
- launching applications
-


TopBar
Status Area
Activities
Thu May 23, 00:23
home
Type to search...
Window Picker
Dash
Workspace
GNOME shell
GNOME 3
Windows management
launching applications
GNOME.Asia2013.Extensions.BinLi.odp – LibreOffice Im...
QTerm 0.5.12
Pictures
Terminal
gnome-shell JS
Javascript Engine
gobject-introspection
Metacity Core
Shell Toolkit
CSS
Clutter
GIT: gnome-shell
GIT: gjs
GIT: gjs
GIT: mutter
More GNOME Shell Customization « Musings – Chromium
Terminal
openSUSE
LINUX FOR OPEN MINDS
Notifications and messaging tray

Applications Picker


Search application
Activities
Fri May 24, 13:31
ter
home
APPLICATIONS
GNOME Terminal
Linux 32-bit Ter...
QTerm
Glade
System Settings
YaST
Glade
XTerm
GNOME Characte...
SETTINGS
Sound
Printers
Universal Access
Date & Time
User Accounts
Details
Network
Region & Language
Color
FILES
Termination chec...
openSUSE
LINUX FOR OPEN MINDS

Extensions

- Customize GNOME Shell
- Strength
  - Don't patch the original source code
  - Don't recompile
  - Easy to create and programming
  - Change everthing you want
-

Extensions.gnome.org

- Remove Accessibility
- Windows Alt Tab
- TopIcons
- Alternative Status Menu
- Remove User Name
- Frippery Move Clock
- Advanced Settings in UserMenu
- Status Area Horizontal Spacing

Low-hanging Fruit

Create extension in 1 mintues

Possible?

- gnome-shell-extension-tool –create-extension
- Alt + F2 → r
- ~/.local/share/gnome-shell/extensions/

Framework

- extension.js
  - init()
  - enable()
  - disable() - Undo all UI modifications
- metadata.json
  - name & description
  - shell-version
  - Uuid
- stylesheet.css

UUID

- Allowed
  - alphanumerical characters
  - the period (.)
  - the at symbol (@)
  - the underscore (_)
  - the dash (-)
- Unicode characters Not allowed
- Must not end with gnome.org

Icon

- Icon → Button → Panel
-
- PanelMenu.SystemStatusButton
- addToStatusArea
-
-

Popup Menu

- New item
- addMenuItem
- connect(“activate”, callback)
-

l18n - internationalization?

- gettext
- xgettext -k_ -o gse-mutt.pot *.js
- cp gse-mutt.pot zh_CN.po ; vi zh_CN.po
- msgfmt -o PACKAGE.mo zh_CN.po
- cp PACKAGE.mo $extesion_dir/locale/zh_CN/LC_MASSAGES/

Summary

- Introduction
- Create a new extension
- Icon → Menu → I18n

References

- https://live.gnome.org/GnomeShell/Extensions
- gnome-shell-extension-mutt in github.com
- https:// extensions.gnome.org
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Thank you!

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