

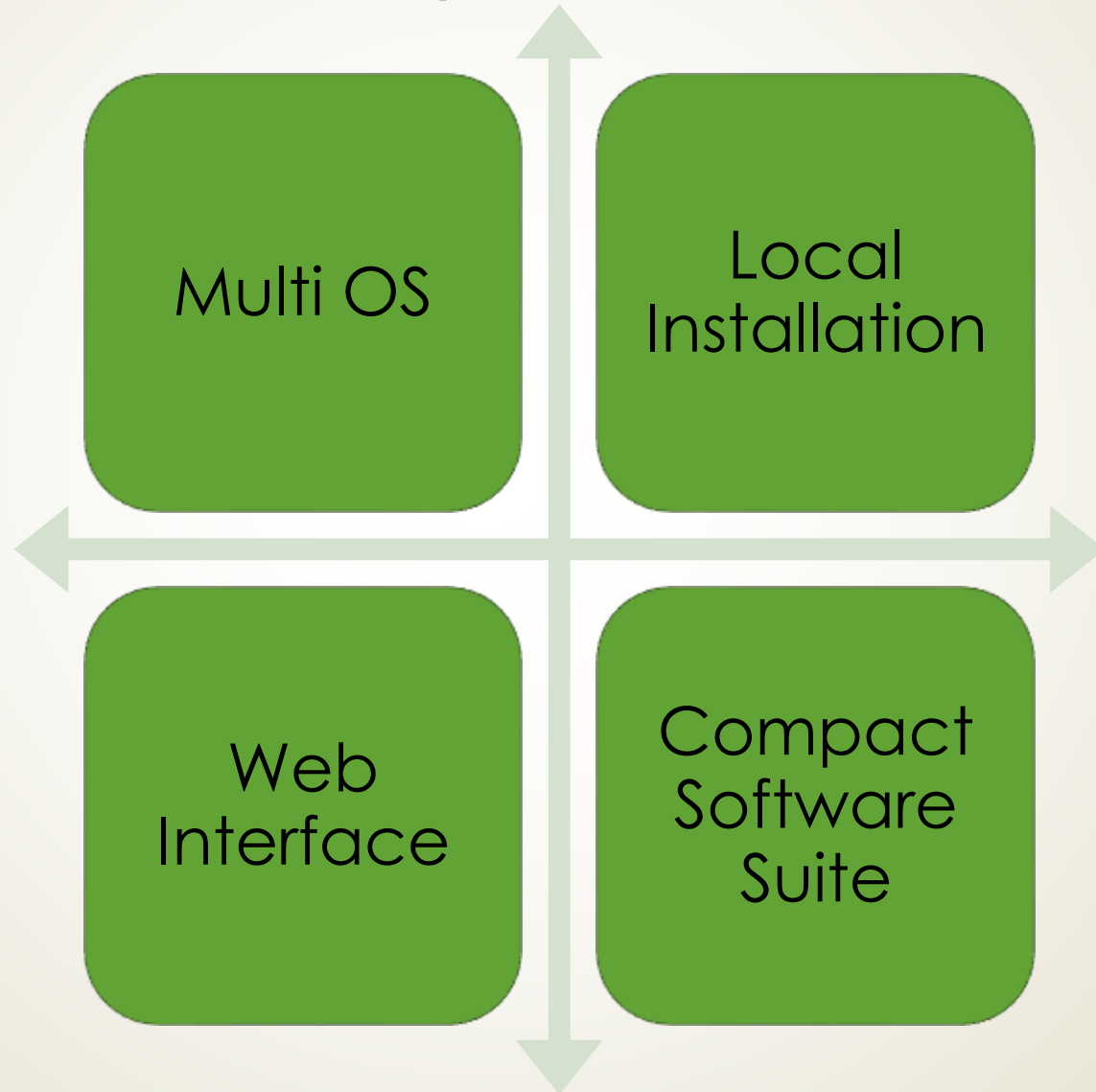
Deploy Anywhere

Packaging a customer ready application for Windows, Mac and Linux

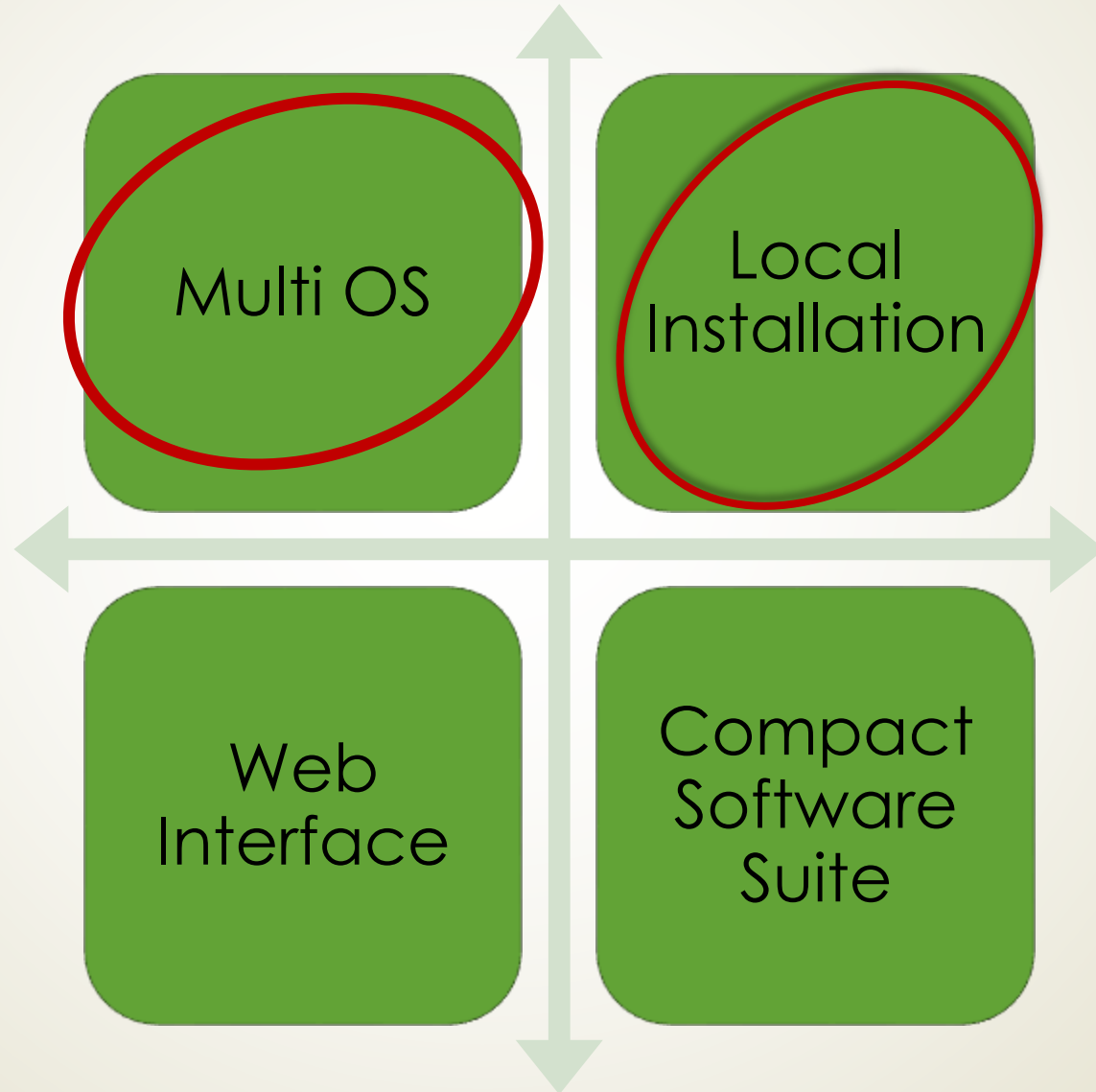
Maximiliano Tabacman



So much to say



So little time



What we need





Disclaimer



Work Started in Pharo 3

- There may be better ways in Pharo 4 & 5

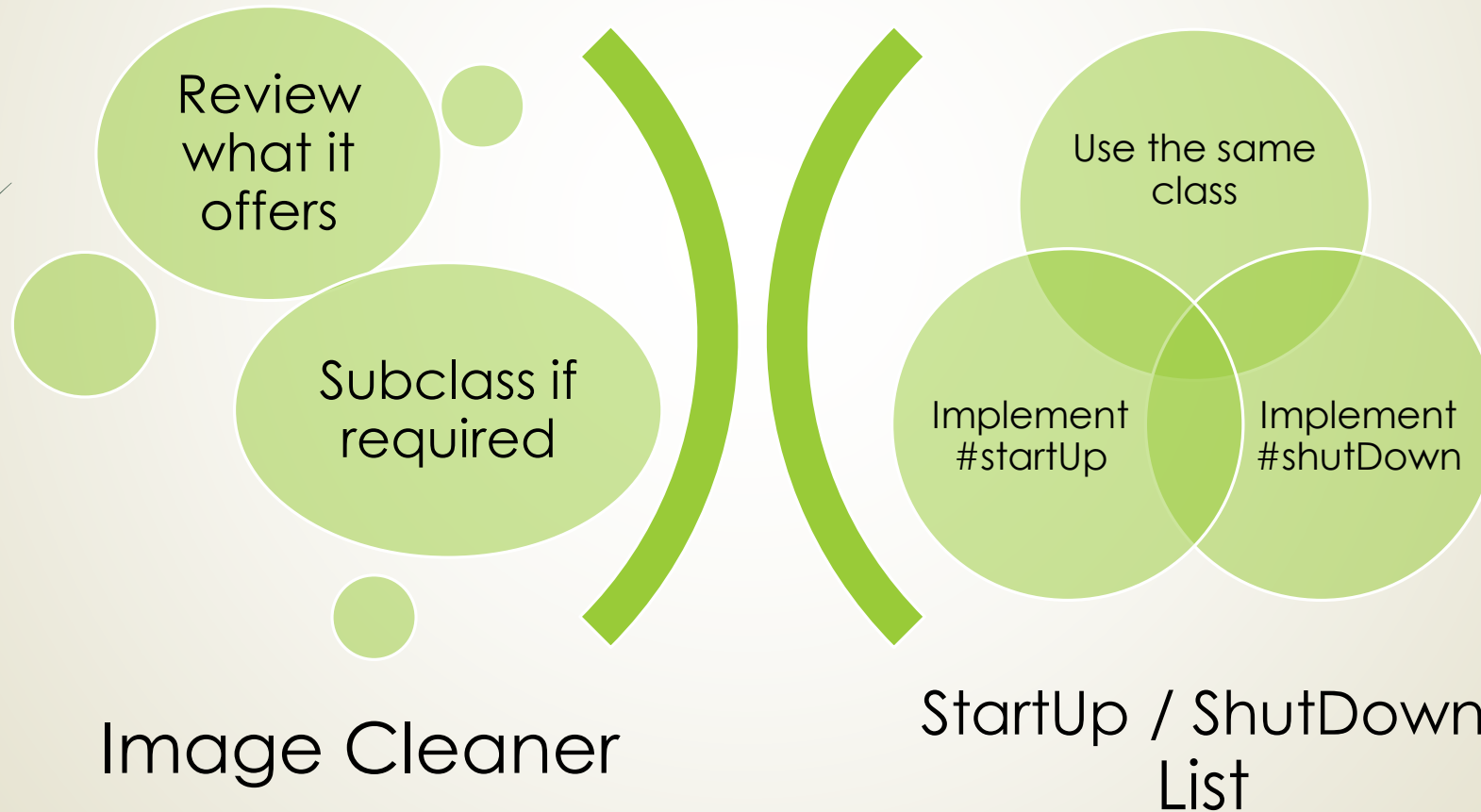
Other Smalltalk environments

- Provide deployment tools

Take these ideas!

- And improve on them adding your own!

Deployment Tools Included





Deployment Process Tips



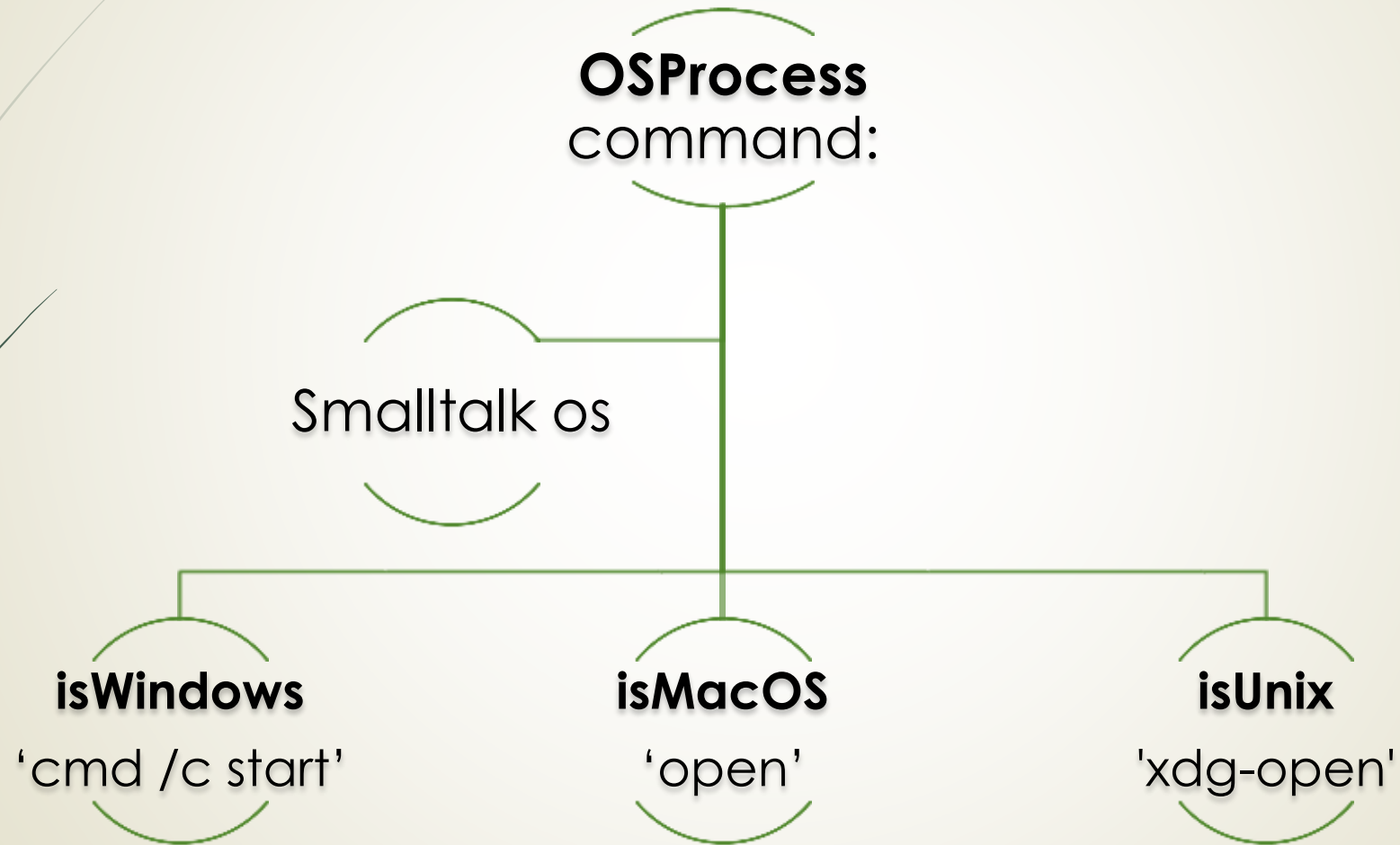
Reify a Deployment Process

Disable development components

Redirect logging

When in doubt, compile an empty method

Execute Anywhere



Multi OS Development

Case sensitivity

- Only irrelevant in Windows

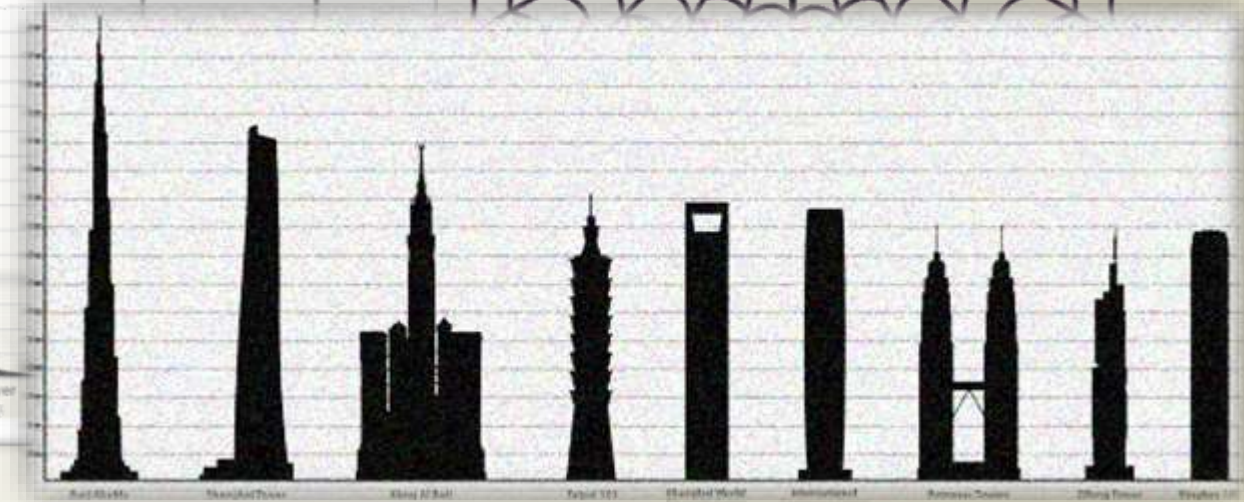
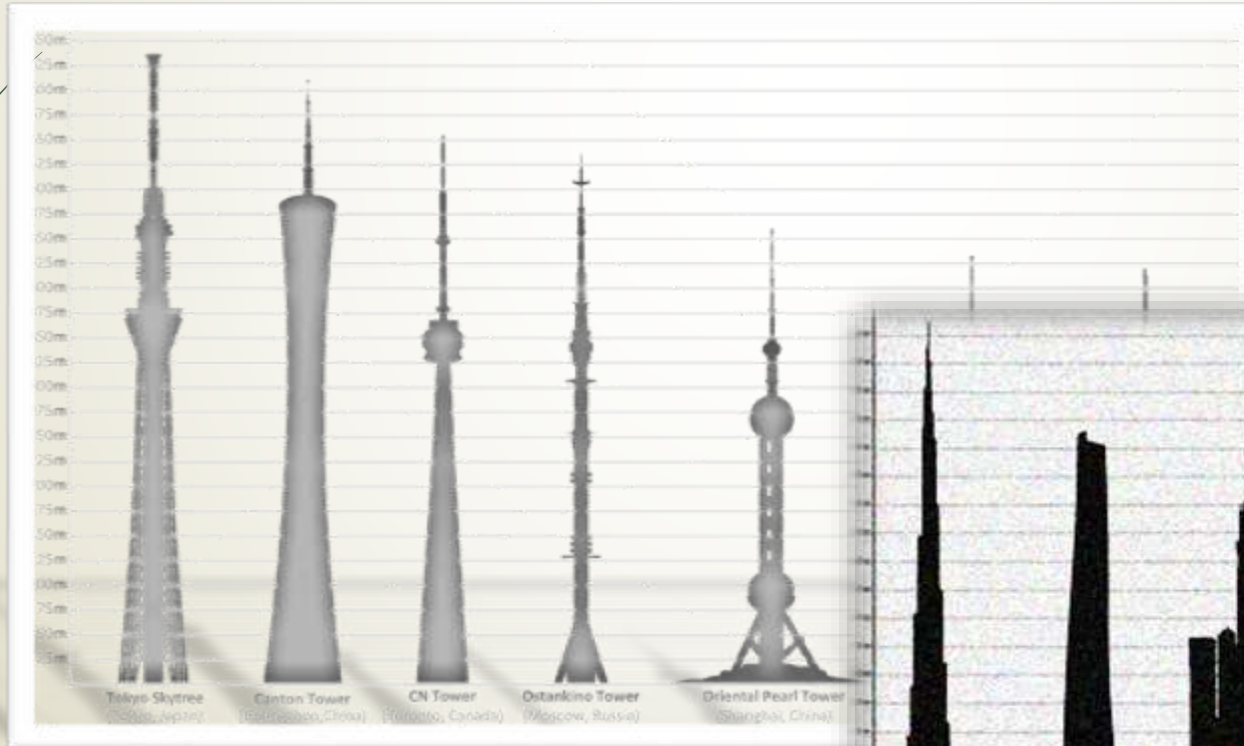
Path Separator

- FileSystem disk delimiter

Line End Convention

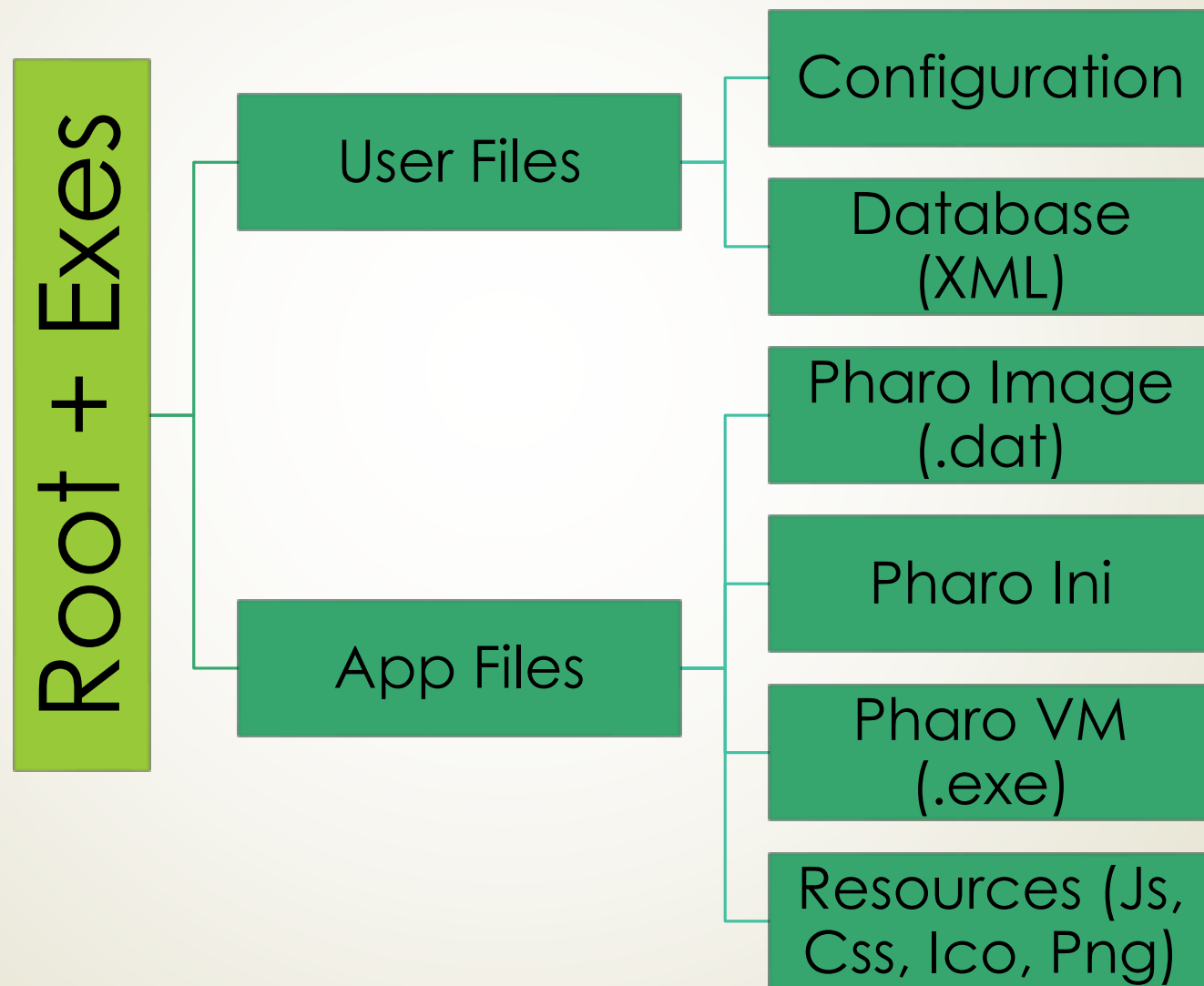
- stream lineEndConvention: stream class
lineEndDefault

Directory structure





Windows





Pharo Files in Windows

Path

Avoid invalid characters

Watch out for /[User Name]

File Names

AppName.exe

AppName.dat

AppName.ini

AppName.ini

RunSingleApp=1

ImageFile="AppName.dat"

WindowTitle="Application Title"

QuitDialogLabel="Closing Application"

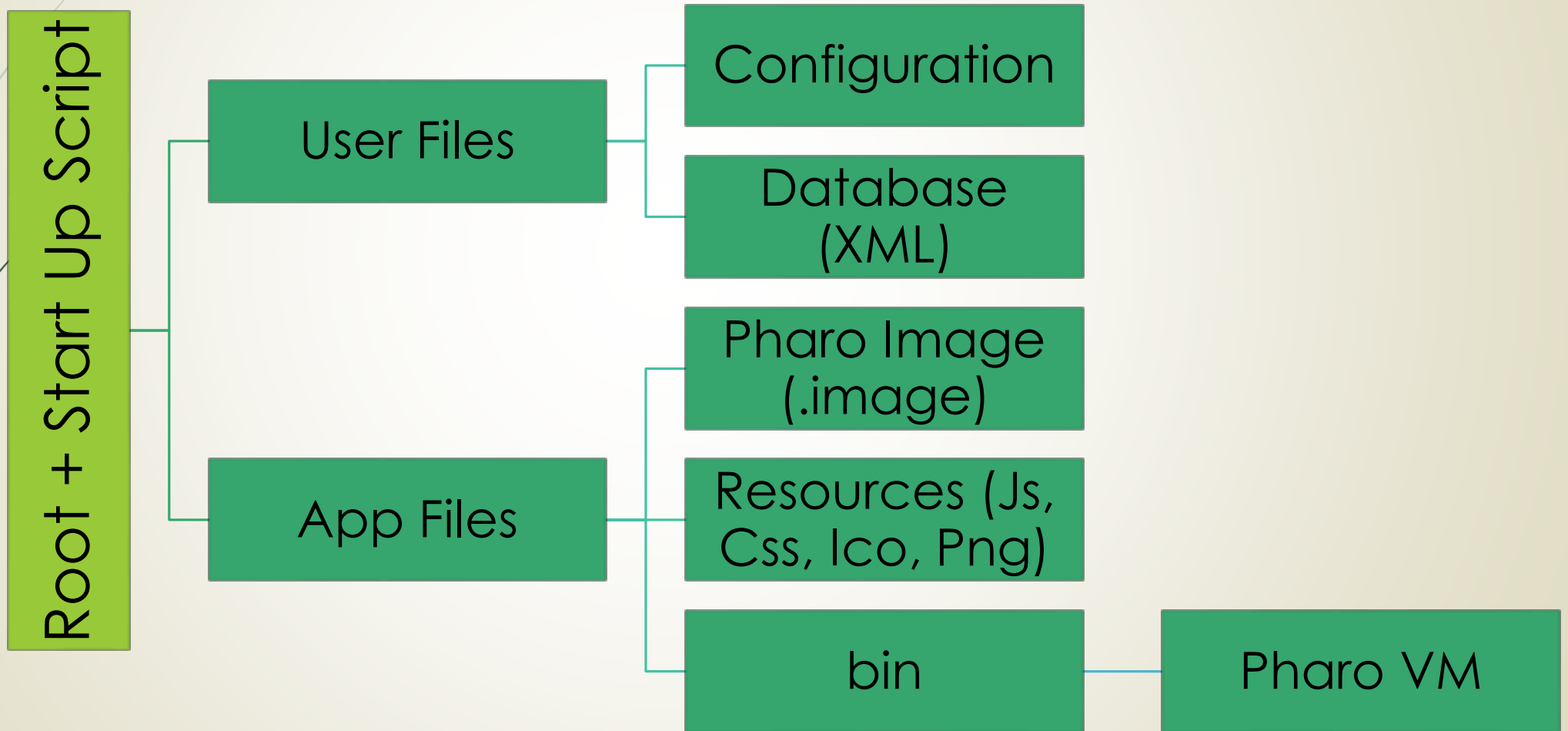
QuitDialogMessage="Do you want to close the application?"



Windows Icon



Linux





Pharo Files in Linux

File Names `AppName` (Start Up Script)
 `AppName` (Renamed Pharo VM)

`AppName.image` (Pharo Image)

`AppName.ini`

`AppName` **Bash Script**

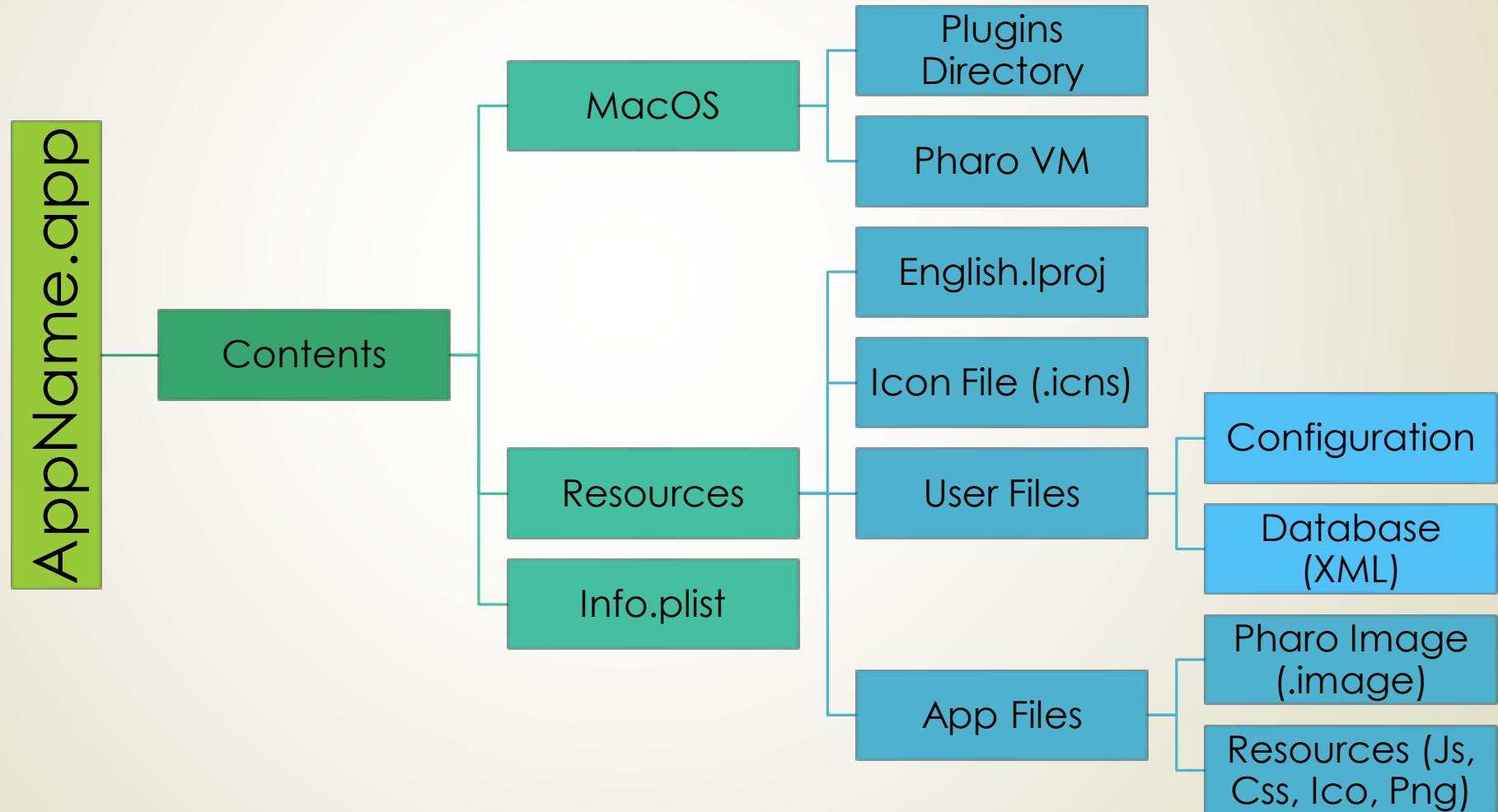
`-title "Your application" \`

`Icon can be specified`

`Start Up parameters can be specified`



Mac OS





Pharo Files in Mac OS

File Names

AppName.app (Compressed Directory)

AppName (Pharo VM)

AppName.icns (Mac Icon Pack)

AppName.image (Pharo Image)

Info.plist

Info.plist

XML Configuration File

Application name and title

Pharo Image file name

Icon File



Mac OS Customization

Application

- Directory.app

Automator

- Start Up Scripts

Icon Packs

- Open and edit

Pharo

- Mac OS Download
- Great teacher

Acknowledgments



Resource Hacker

Bruno Panelli
(Mac OS Expert)



Fuel RenoirSt
OSProcess
XMLPullParser





Thanks!



Talk about stuff

Answer questions
from audience

