

Modular System Image

Mac OS X Server Study Group

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Certified
System Administrator 10.5

Clone VS Modular

Clone

1. setup model system
2. create diskimage from model system
3. deploy diskimage

comp. specific files

- /Library/Caches/*
- /System/Library/Caches/*
- /var/db/volinfo.database
- /vm/swap*
- /vm/sleepimage

comp. specific files

- ~/Library/Preferences/ByHost/
- /Library/Preferences/System/
Configuration
- /Library/Preferences/DirectoryService
- /Library/Managed Preferences

Modular System Image

- Clean
- no model specific setting

Requirements

- Mac(with enough disk space)
- Mac OS X install disc

STEP 1

- Mount Mac OS X v10.5 install disc

STEP 2

- Create diskimage from install disc
 - File > New > Disk Image From <device>
 - Save As : MOX10.5Install.dmg
 - Image Format : compressed
 - Encryption : none

STEP 3

- Eject install disc

STEP 4

- create and mount blank disk image
 - hdiutil create -size 100g -type SPARSE -fs HFS+J msi
 - hdiutil attach msi.sparseimage

STEP 5

- Format mounted diskimage
 - `diskutil eraseDisk "Journaled HFS+"
"Macintosh HD" GPTFormat /dev/disk1`

for PPC Mac : `APMFormat`

STEP 6

- mount diskimage which created from install disc

Preparation

- `installer -showChoicesXML -pkg "/Volumes/Mac OS X Install DVD/System/Installation/Packages/OSInstall.mpkg"`

STEP 7

- install Mac OS X from diskimage to diskimage
- `sudo installer -pkg "/Volumes/Mac OS X Install DVD/System/Installation/Packages/OSInstall.mpkg" -target "/Volumes/Macintosh HD" -lang ja -verbose`

STEP 7b

- `sudo installer -applyChoiceChangesXML "choices.xml" -pkg "/Volumes/Mac OS X Install DVD/System/Installation/Packages/OSInstall.mpkg" -target "/Volumes/Macintosh HD" -lang ja -verbose`

7:03 > 7:17

STEP 8

- Install Software Update
 - `sudo installer -pkg MacOSXUpdCombo10.5.7.pkg -target "/Volumes/Macintosh HD" -verbose`

STEP 9

- install or copy additional update, software, data, etc...

STEP 10

- create diskimage
- sudo hdiutil create -format UDZO
-srcfolder "/Volumes/Macintosh
HD" msi10.5.7.dmg

STEP 11

- scan image
 - sudo asr imagescan -source
msi10.5.7.dmg

Tool

- InstaDMG

Discussion Time