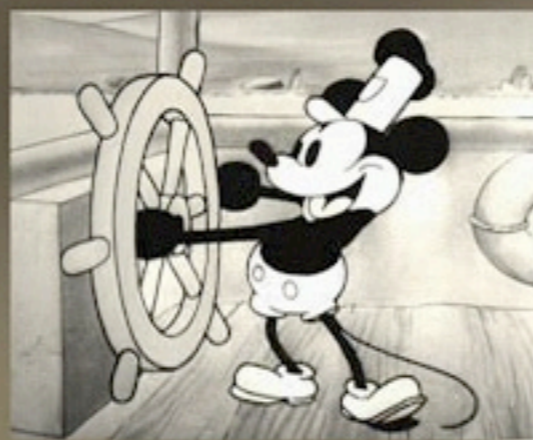




# REPOSOADO



WALT DISNEY  
ANIMATION STUDIOS

**Greg Neagle**  
Senior Systems Engineer

# Tequila



# Tequila

- **Tequila** is a distilled spirit made from the blue agave plant



# Tequila



● **Blanco** – white spirit, un-aged, or aged less than two months



# Tequila

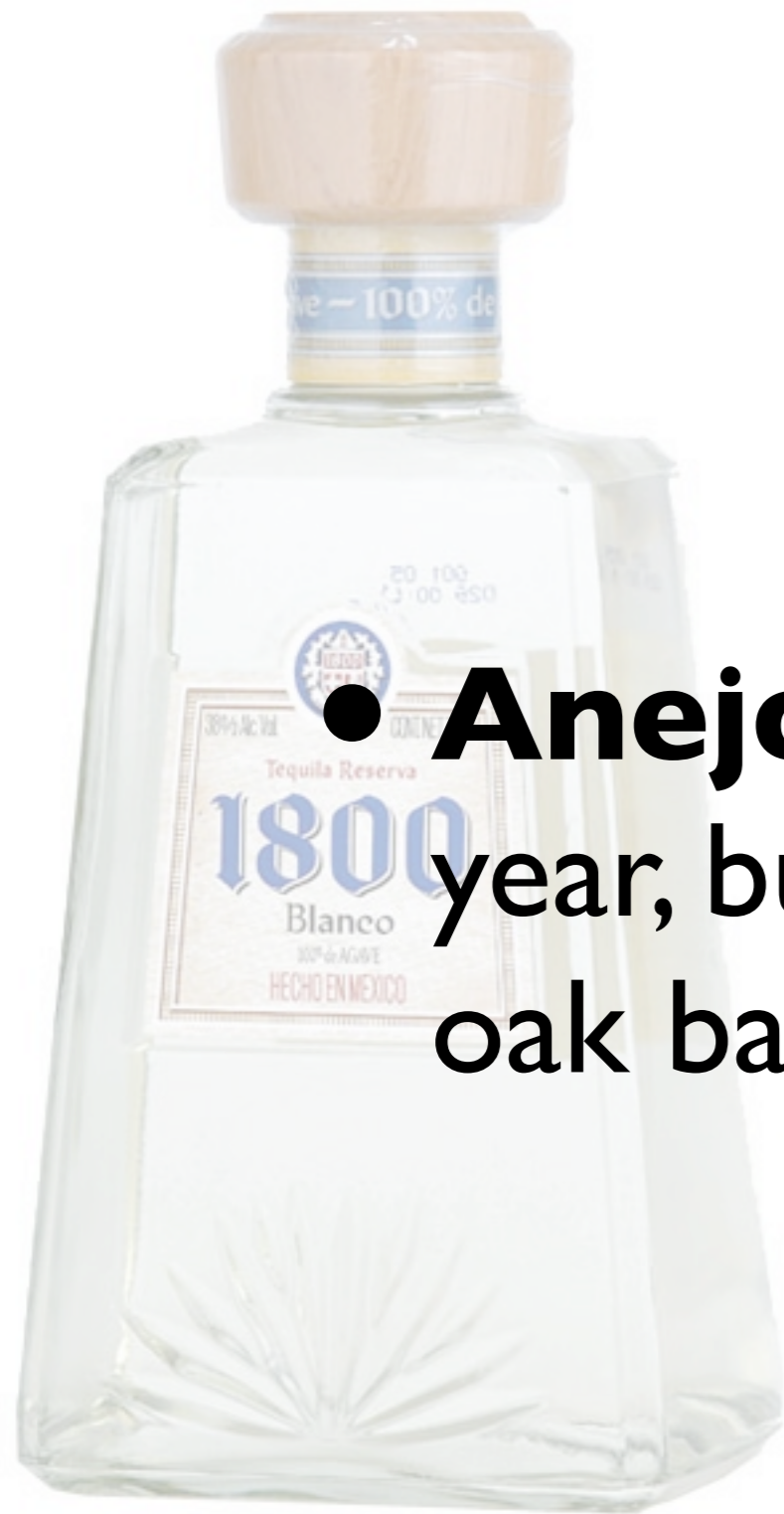


- **Reposado** – aged a minimum of two months, but less than a year in oak barrels



# Tequila

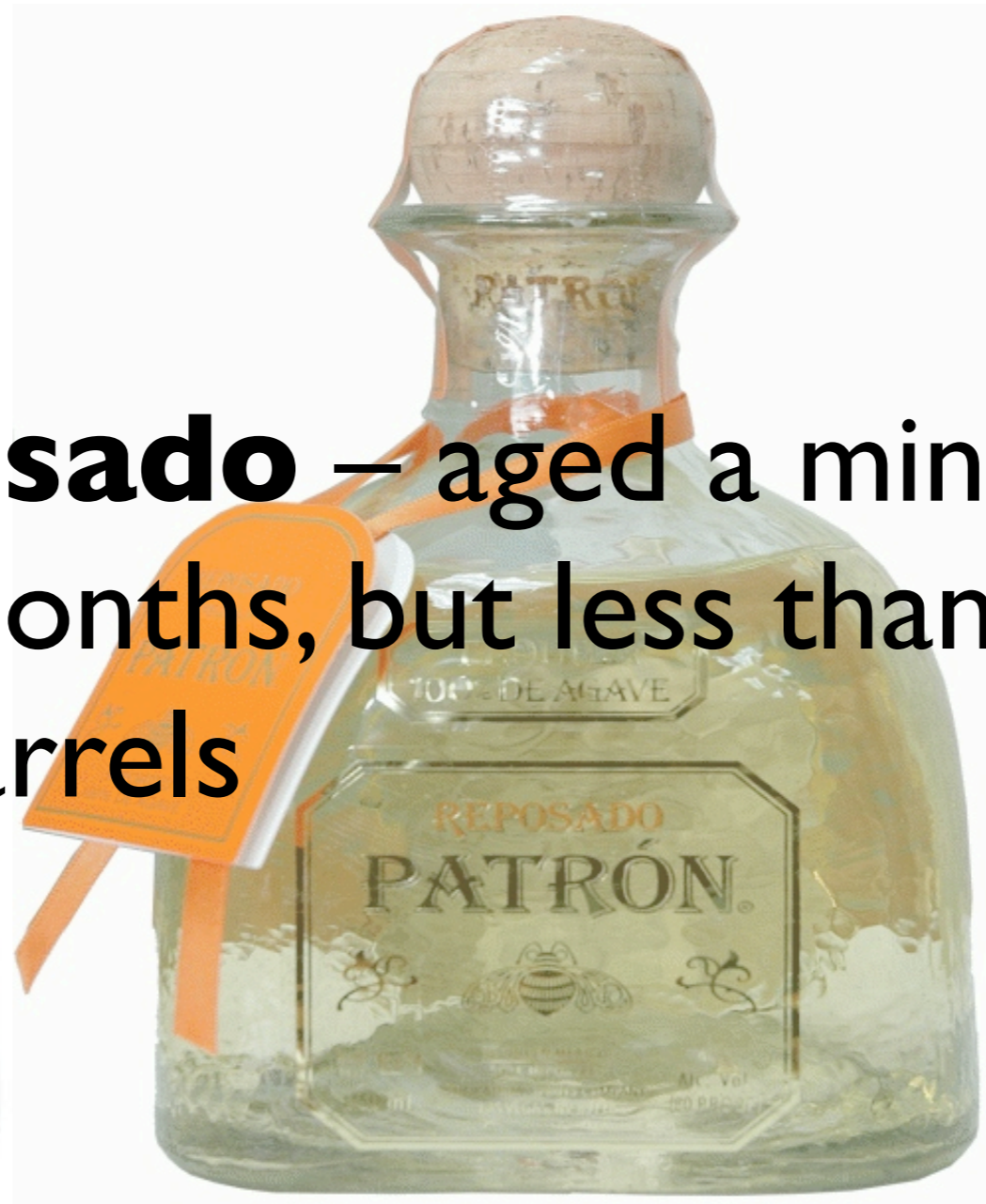
- **Anejo** – aged a minimum of one year, but less than three years in oak barrels



# Tequila



- **Reposado** – aged a minimum of two months, but less than a year in oak barrels





# Tequila

- **Reposado**



# Software

- **Repository**



# Software

# Update

- **Repository**



- **Repository**



# Reposado



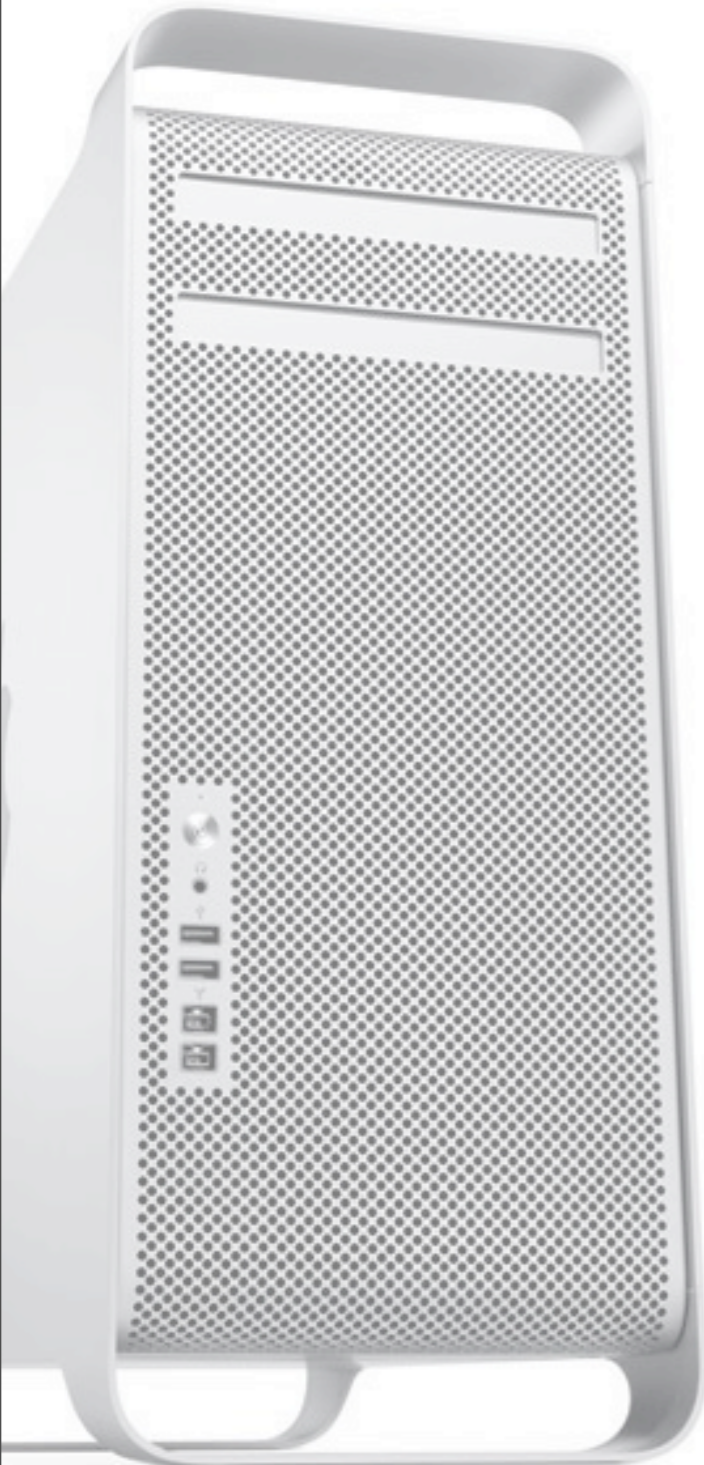
# Reposado

An open-source  
replacement for  
Apple's Software Update  
Service



# Reposado

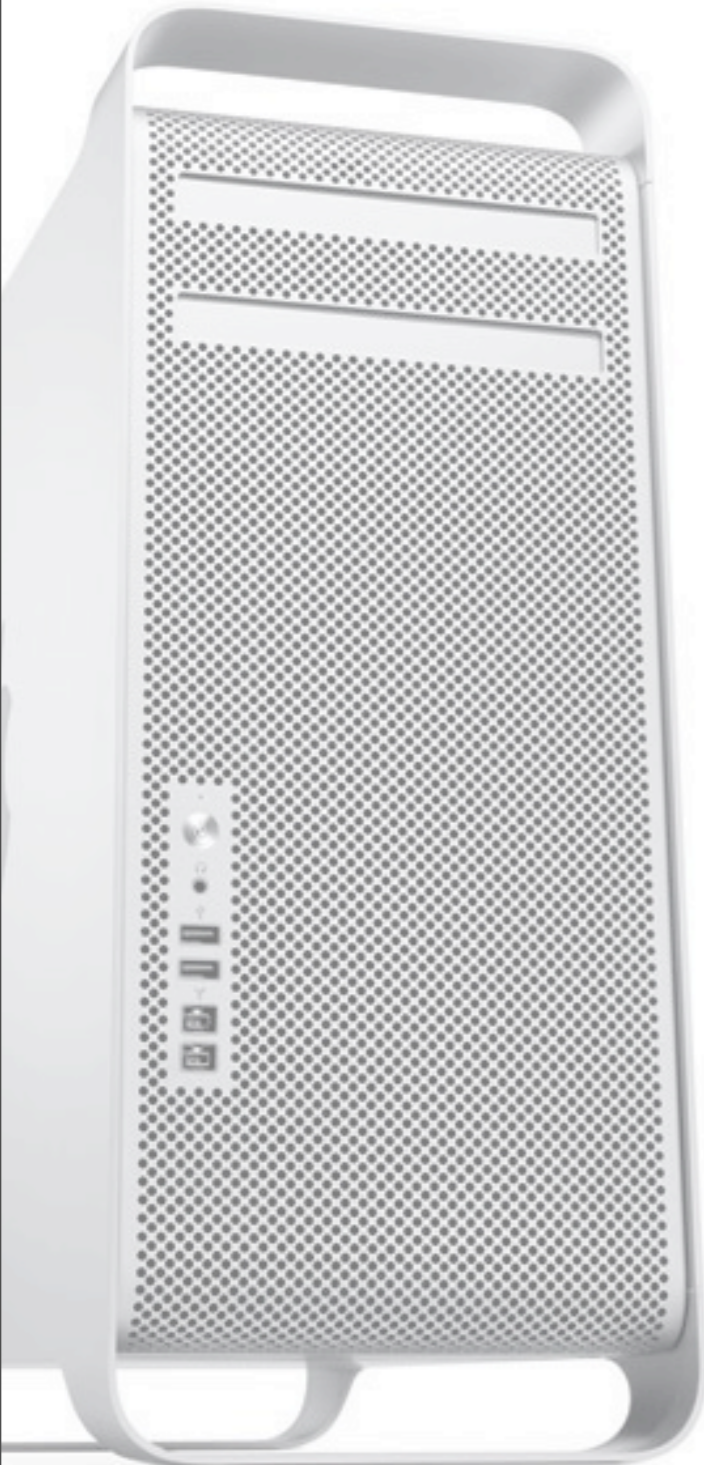
New BSD License



# Reposado

## Requires:

- Python (with plistlib)
- curl
- a web server

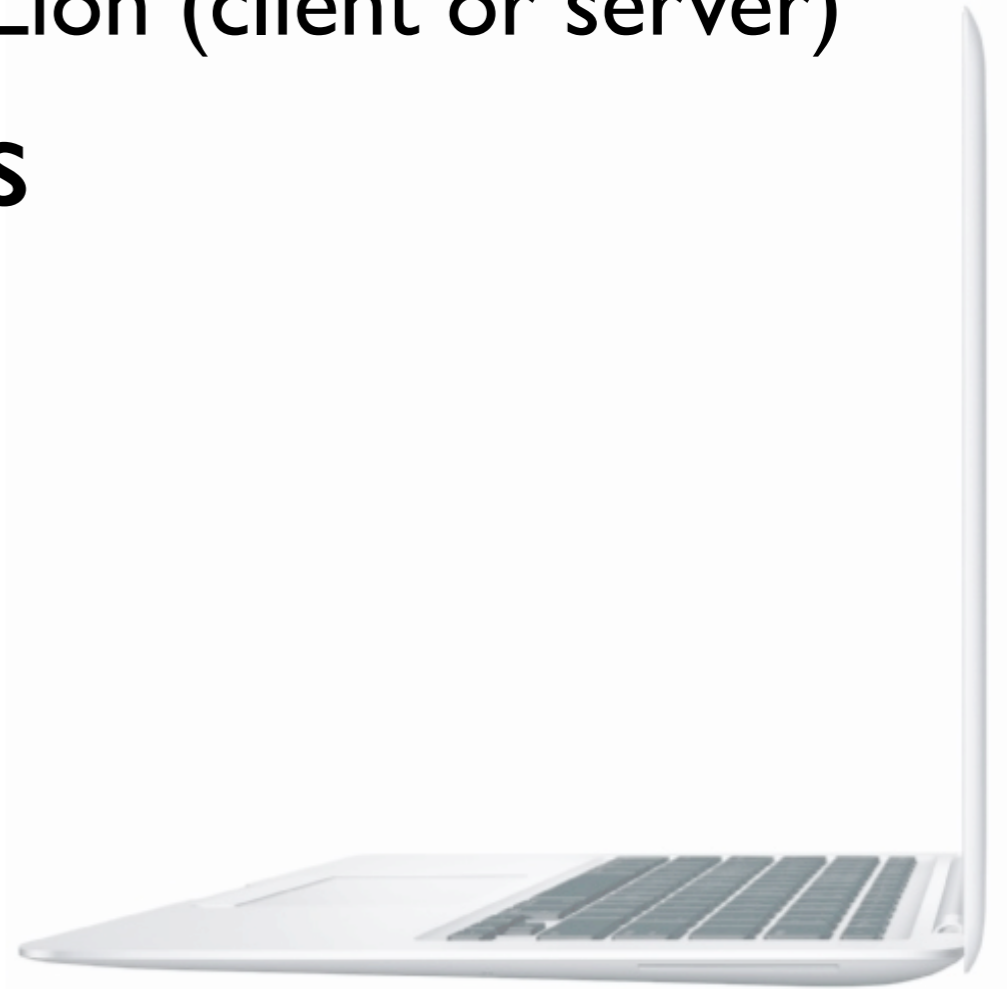
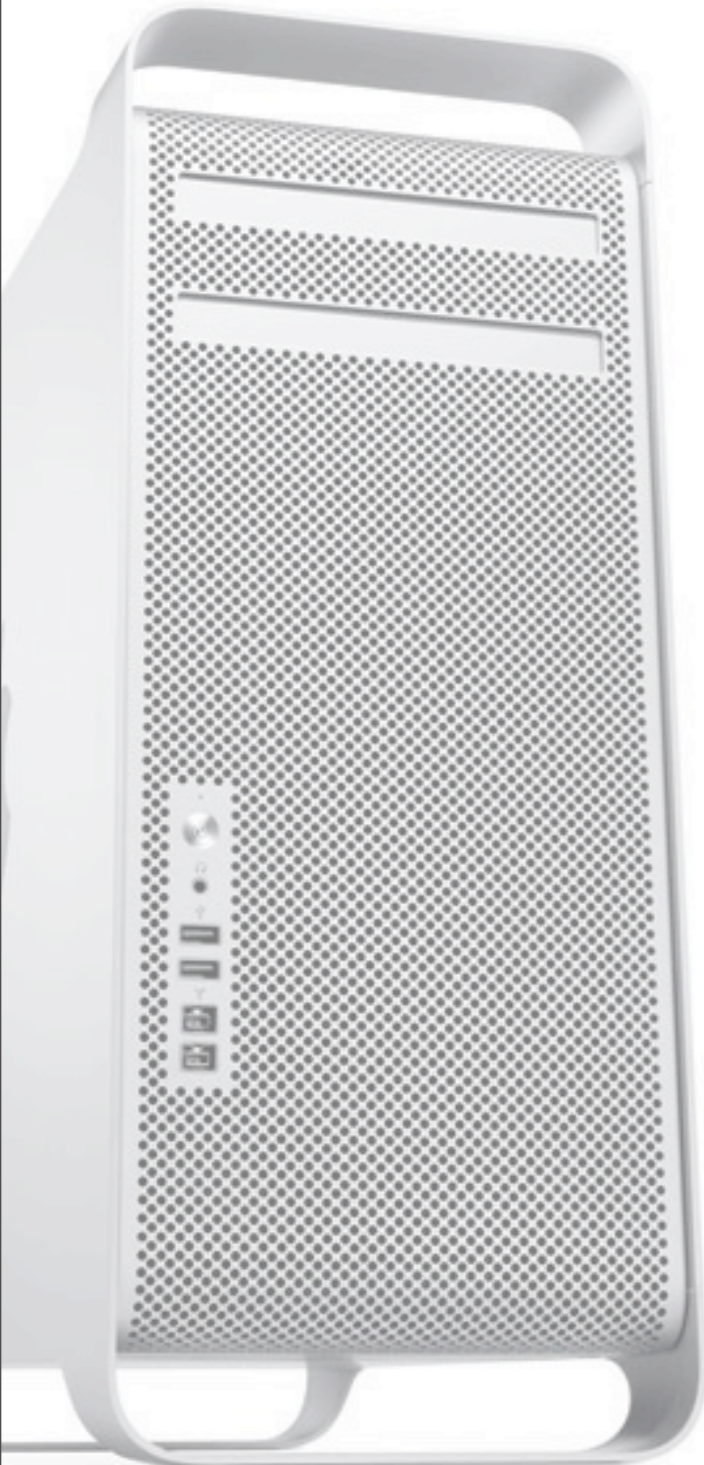




# Reposado

## Run it on:

- Mac OS X
  - Leopard – Lion (client or server)
- Windows
- Linux



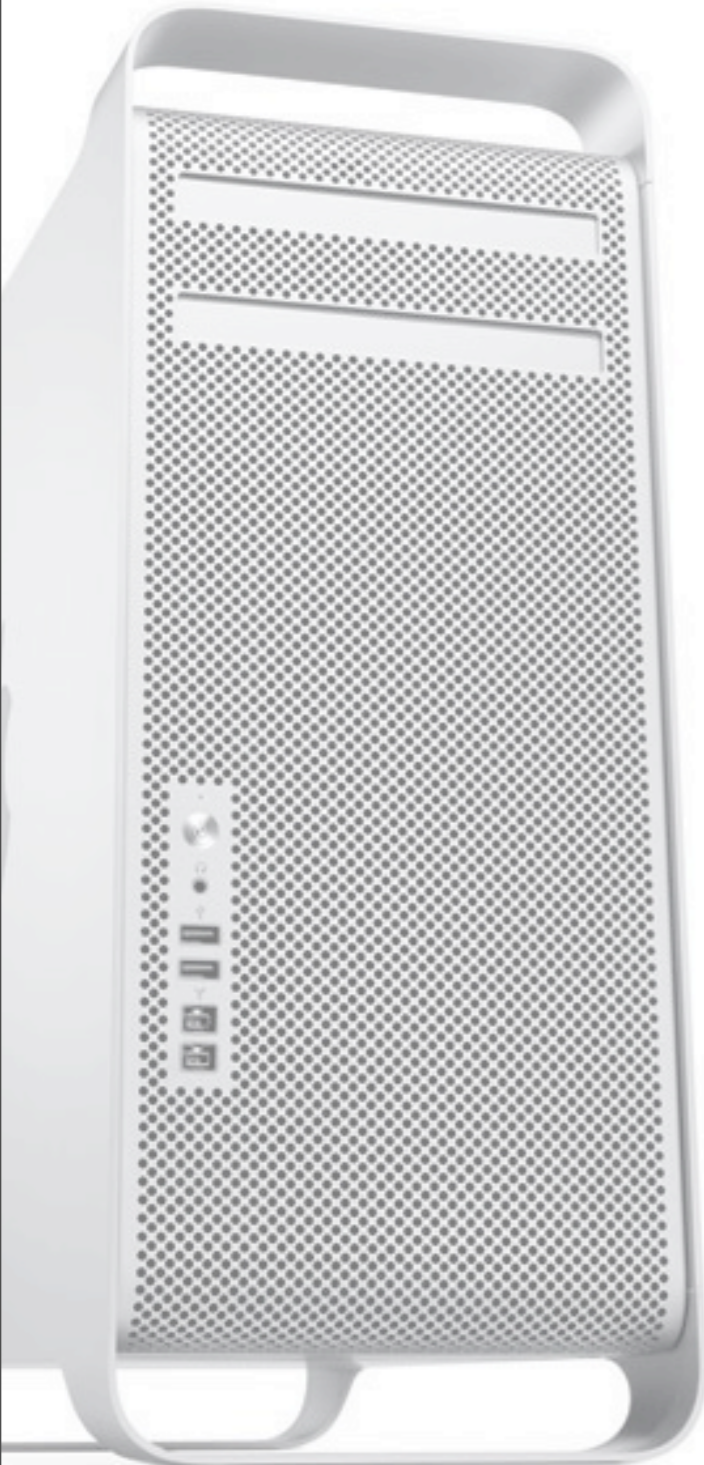




# Reposado

## Serves updates for:

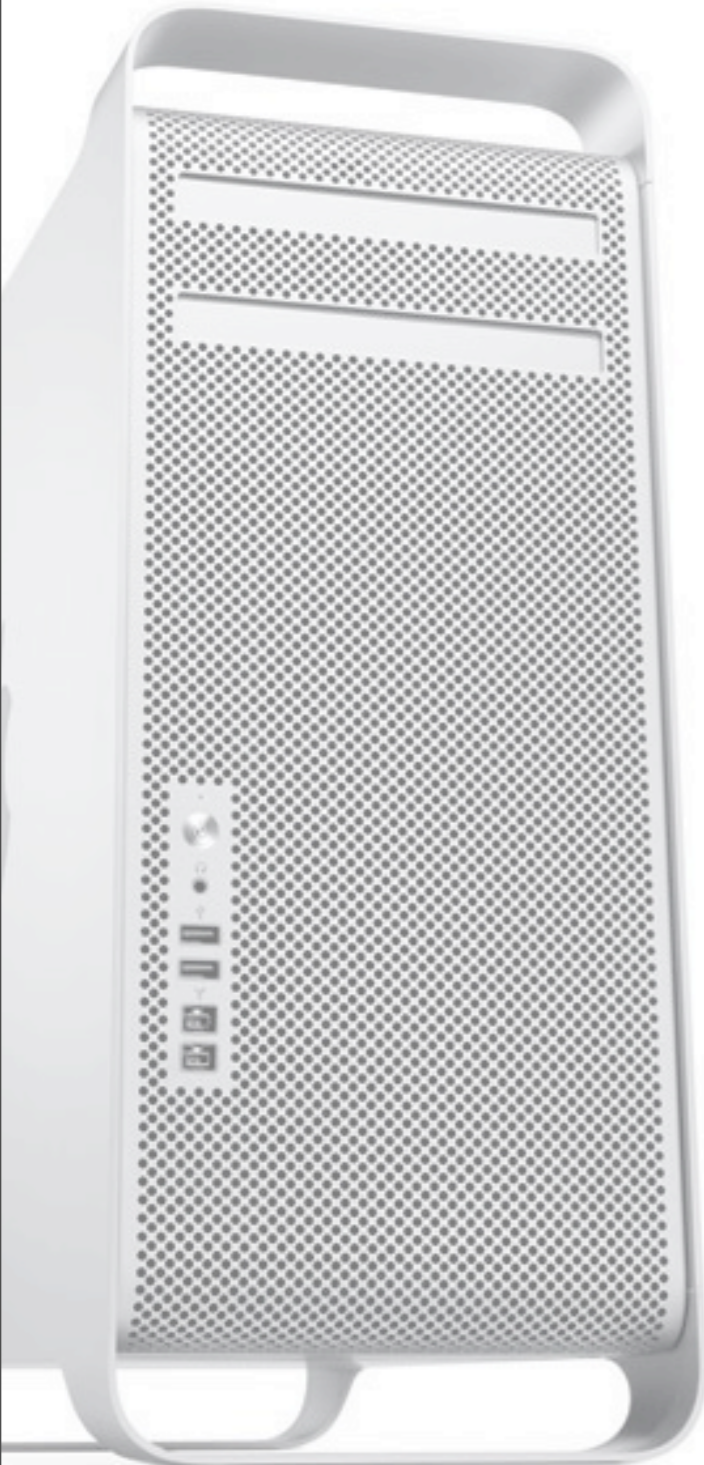
- Tiger
- Leopard
- Snow Leopard
- Lion



# Reposado

## Branches:

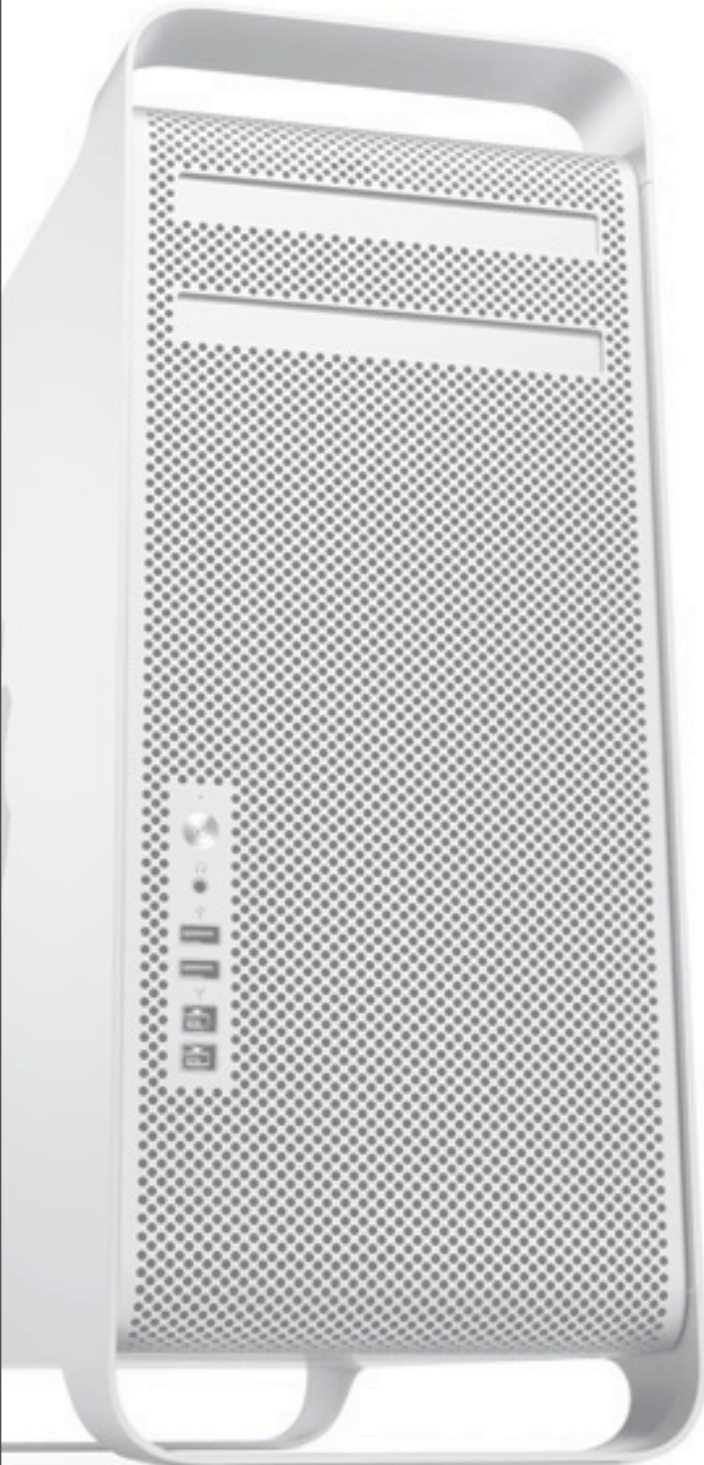
- unstable
- testing
- release



# Reposado

## Tools:

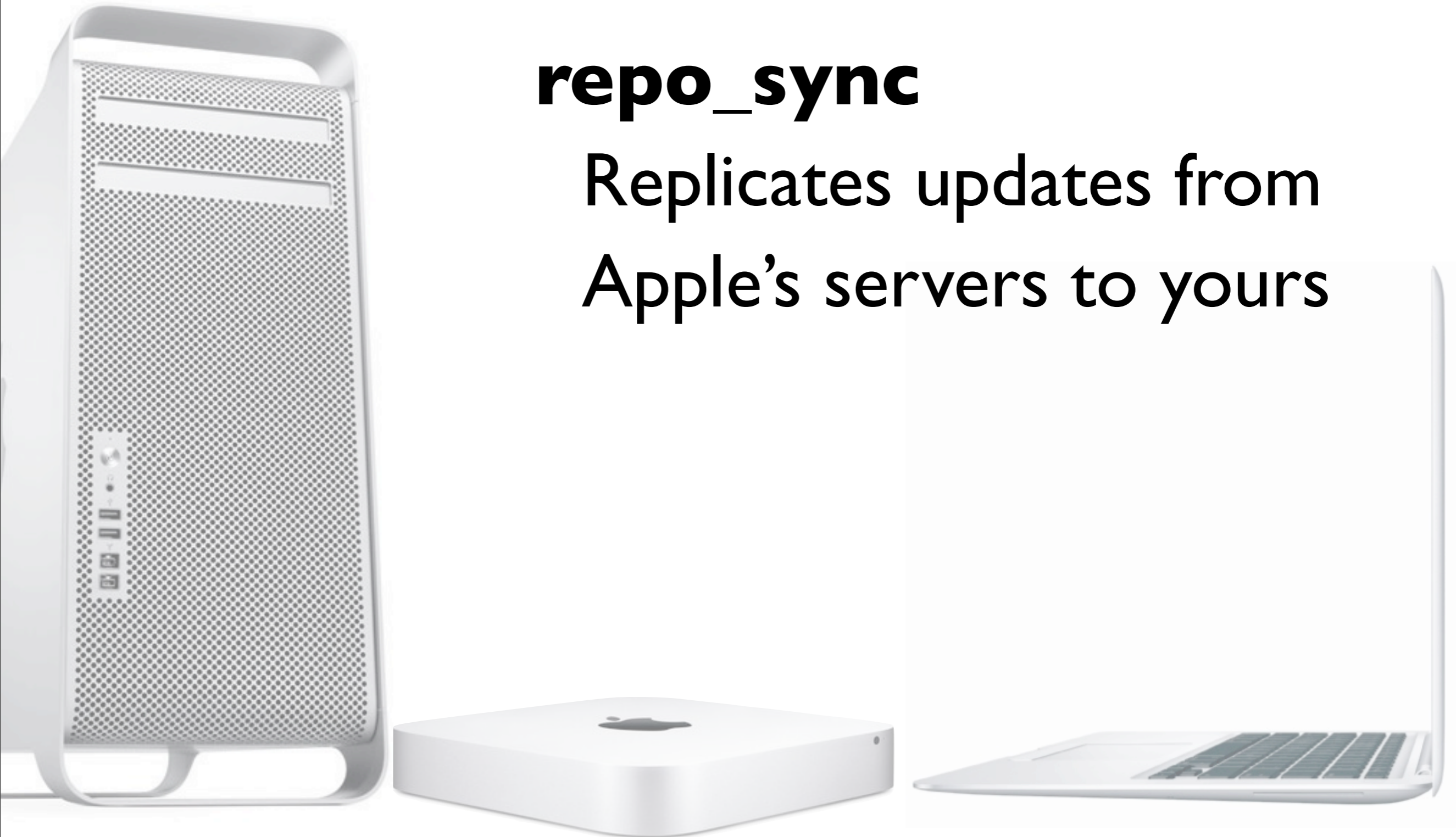
- `repo_sync`
- `repoutil`



# Reposado

**repo\_sync**

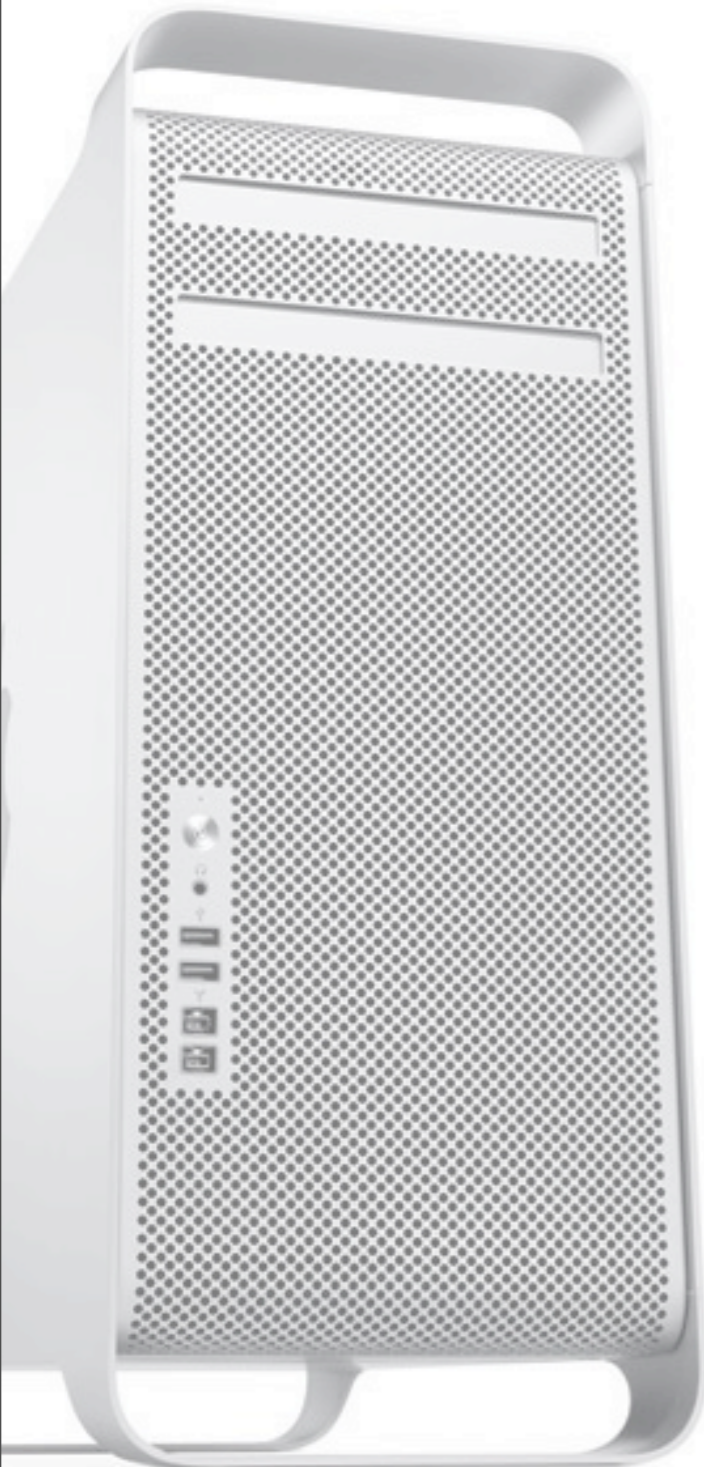
Replicates updates from  
Apple's servers to yours



# Reposado

## reputil

- Manage available updates





# Reposado

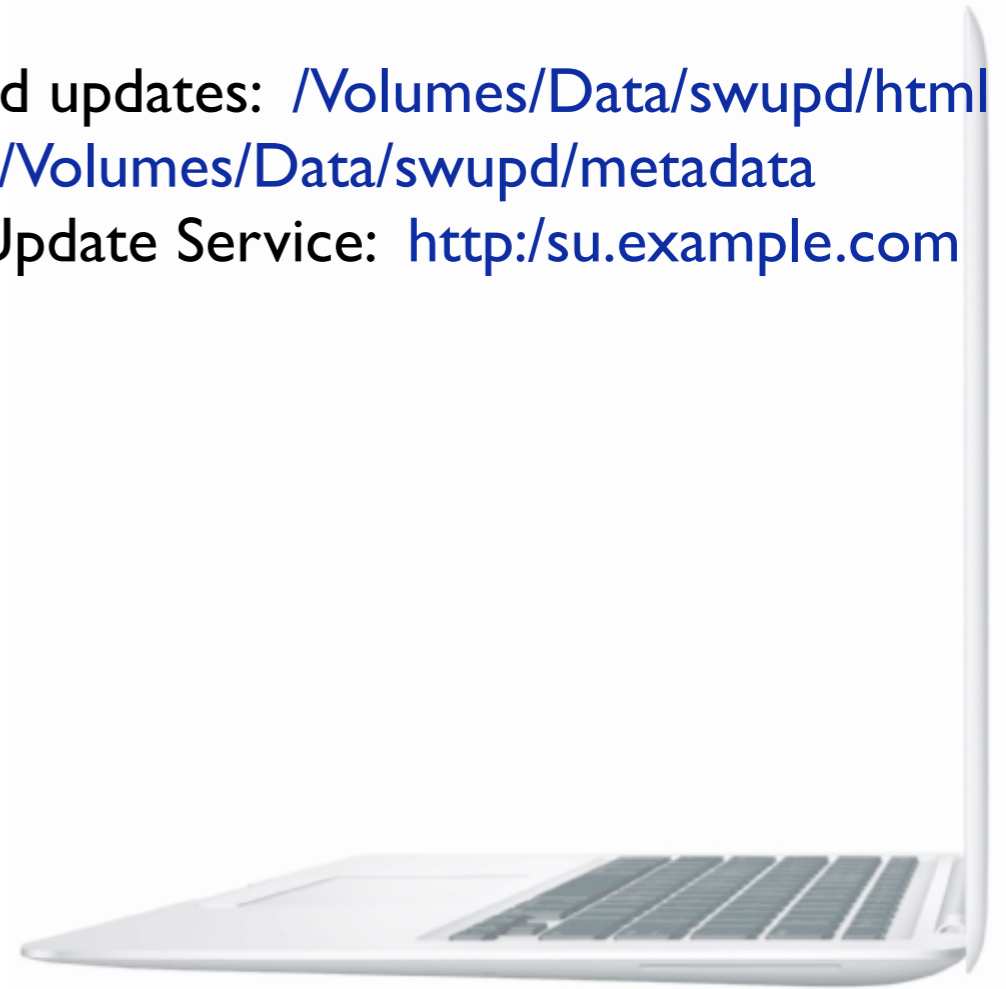
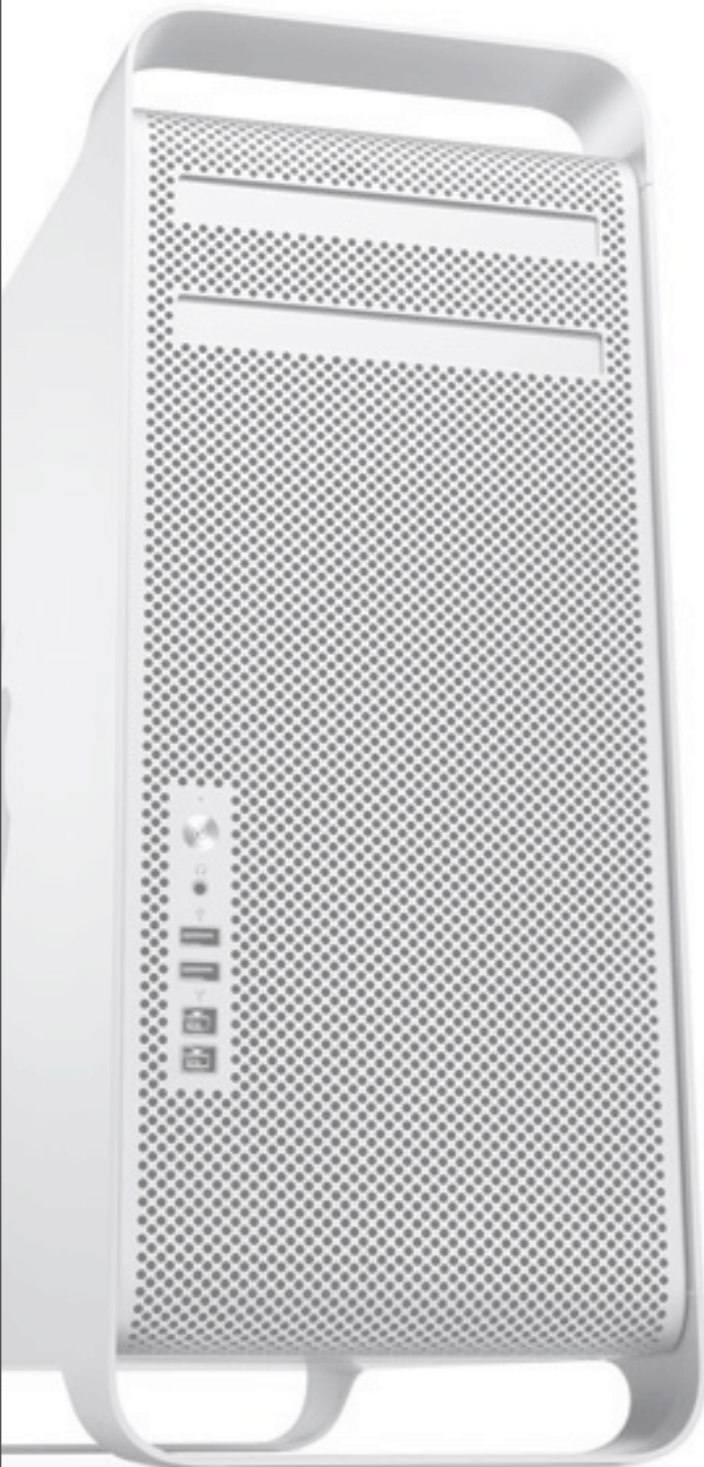
## Configuration:

`repoutil --configure`

Path to store replicated catalogs and updates: `/Volumes/Data/swupd/html`

Path to store Reposado metadata: `/Volumes/Data/swupd/metadata`

Base URL for your local Software Update Service: `http://su.example.com`



# Reposado

## reputil

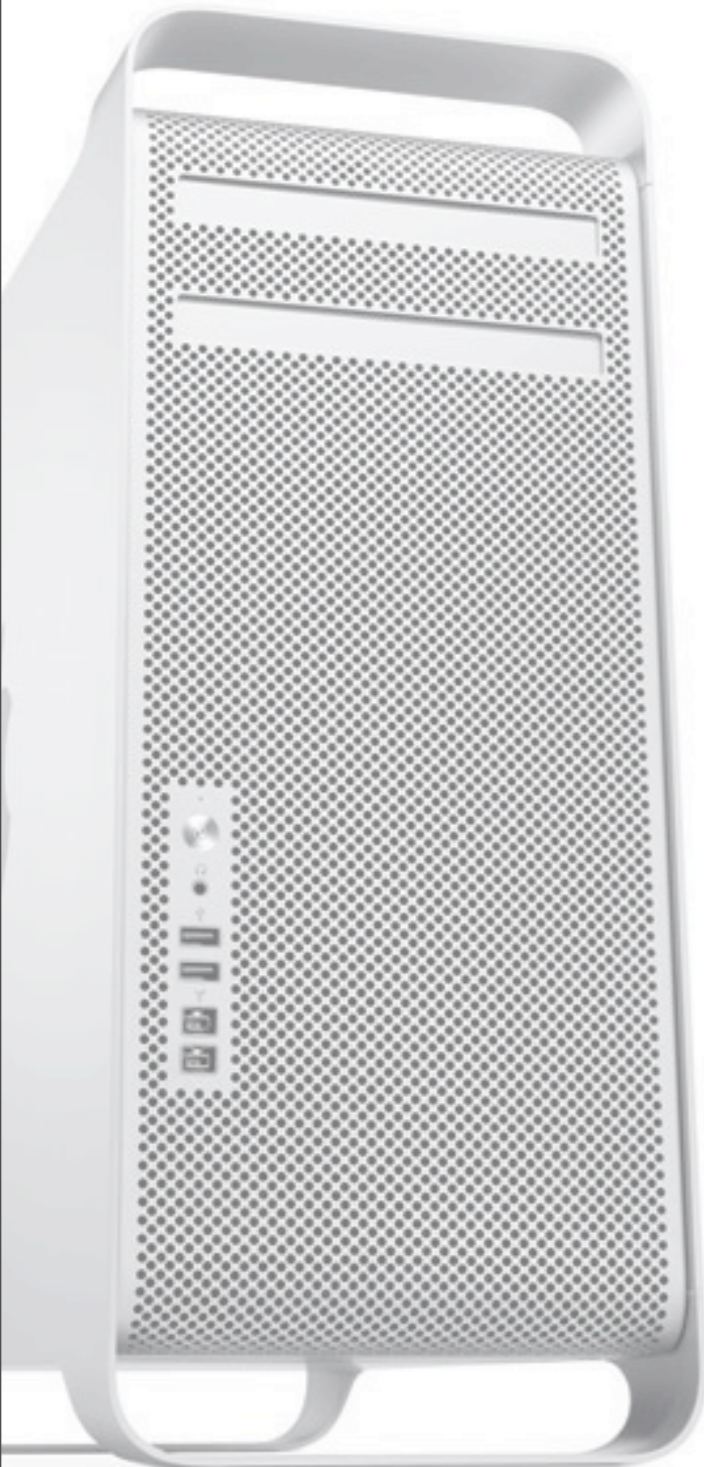
--branches

--new-branch

--delete-branch

--list-branch

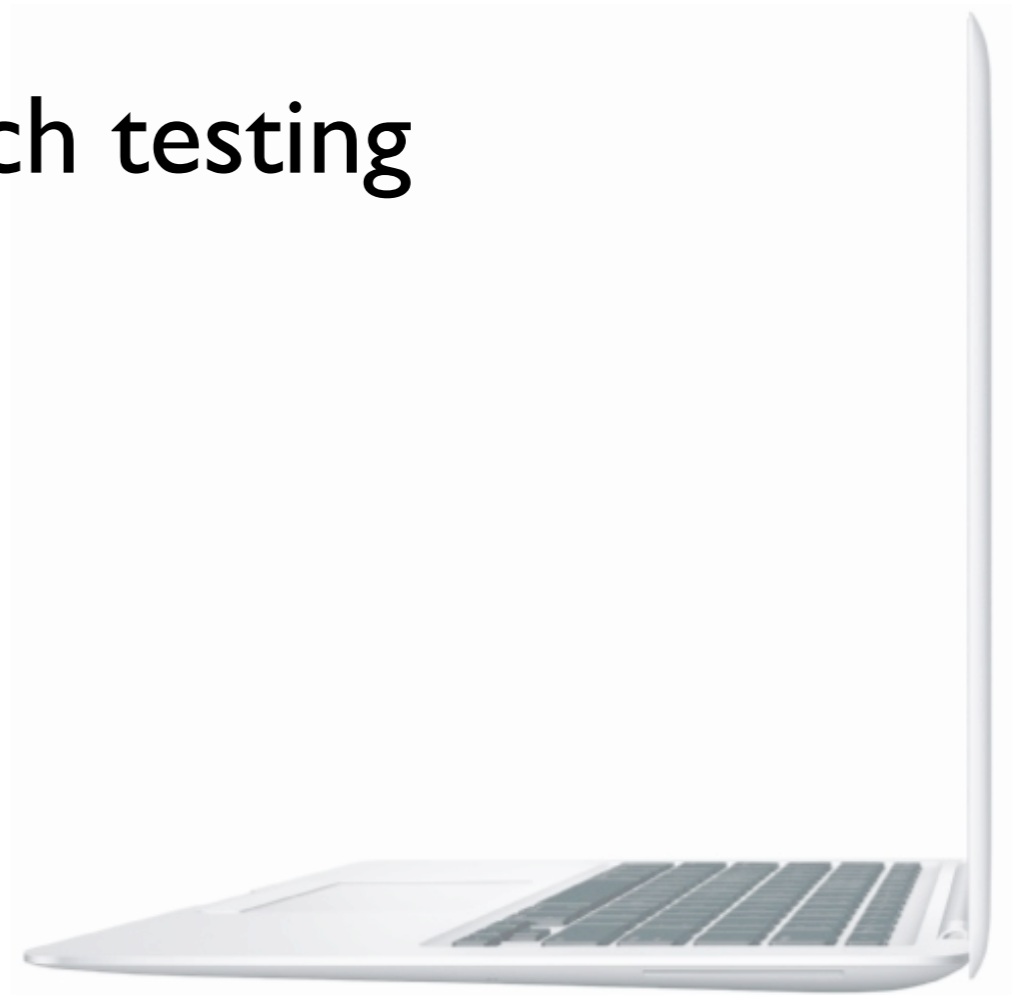
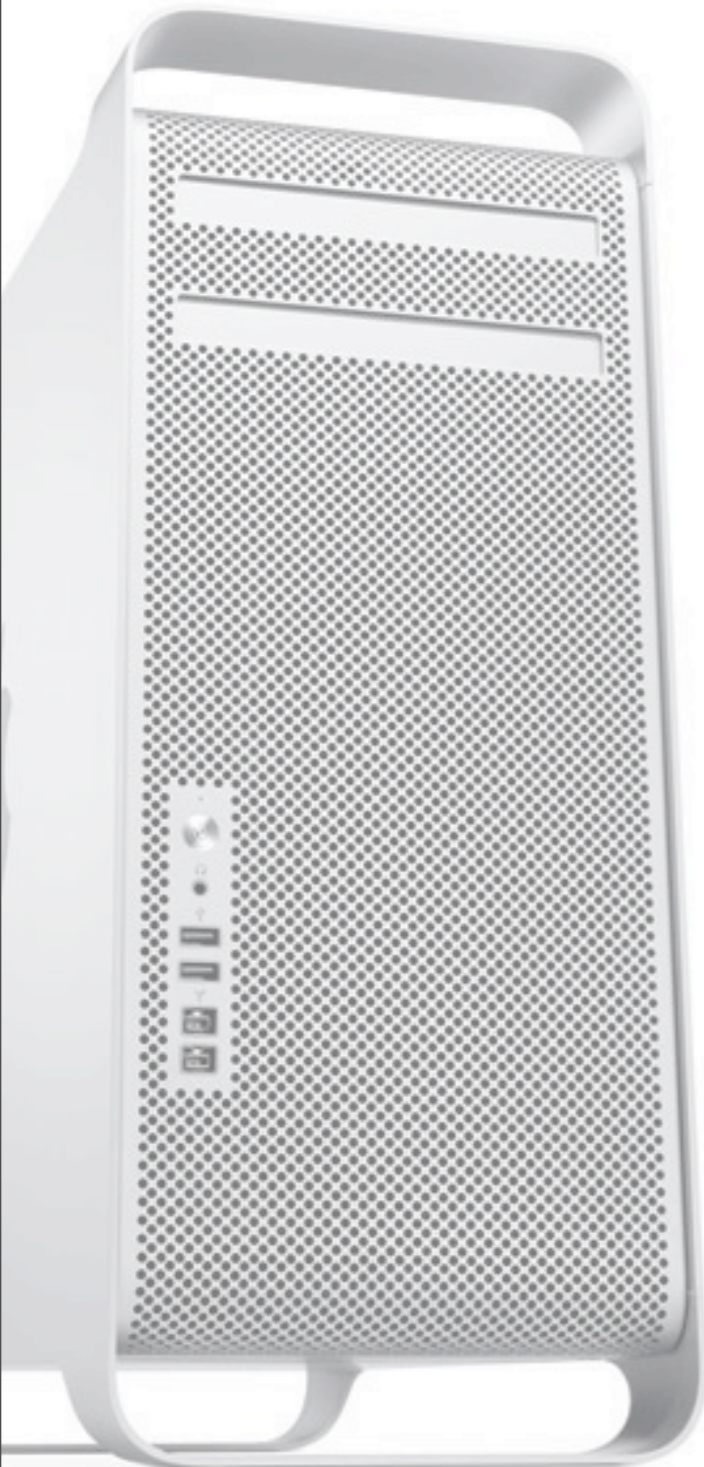
--copy-branch



# Reposado

**Creating a new, empty branch:**

repoutil --new-branch testing



# Reposado

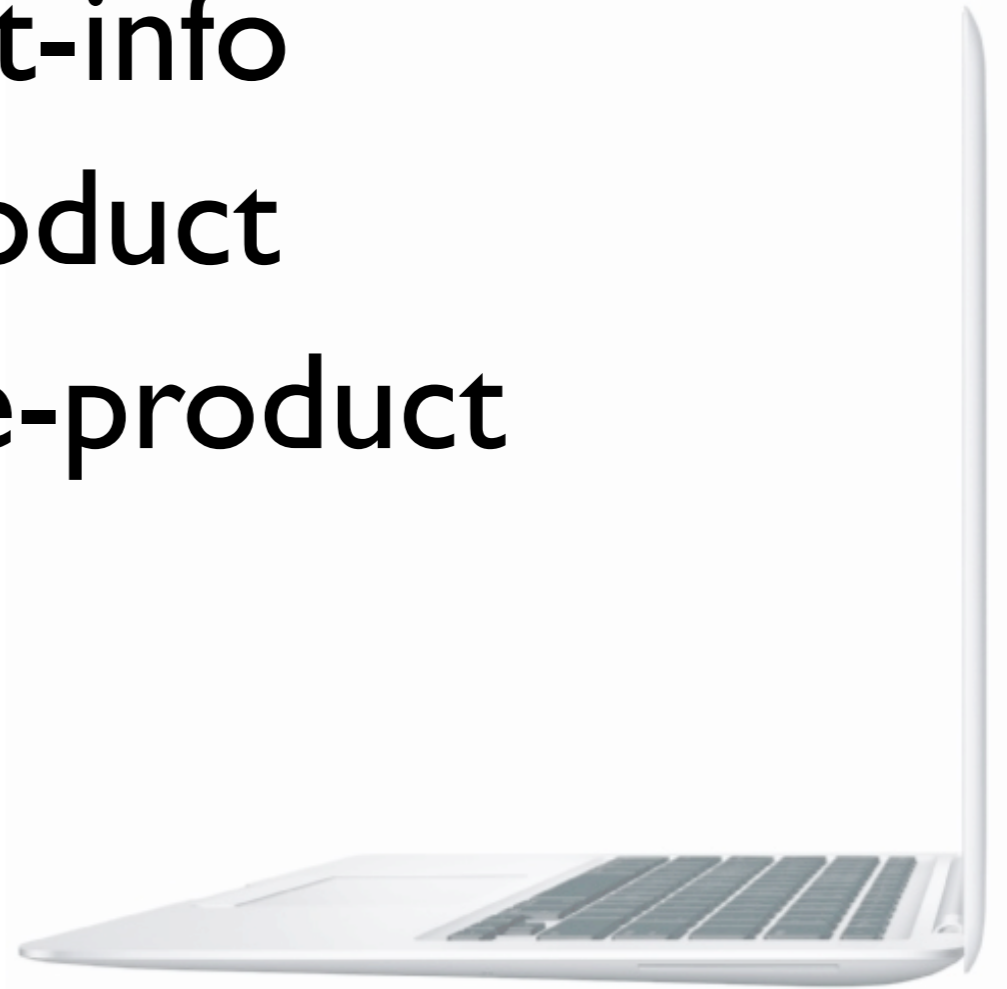
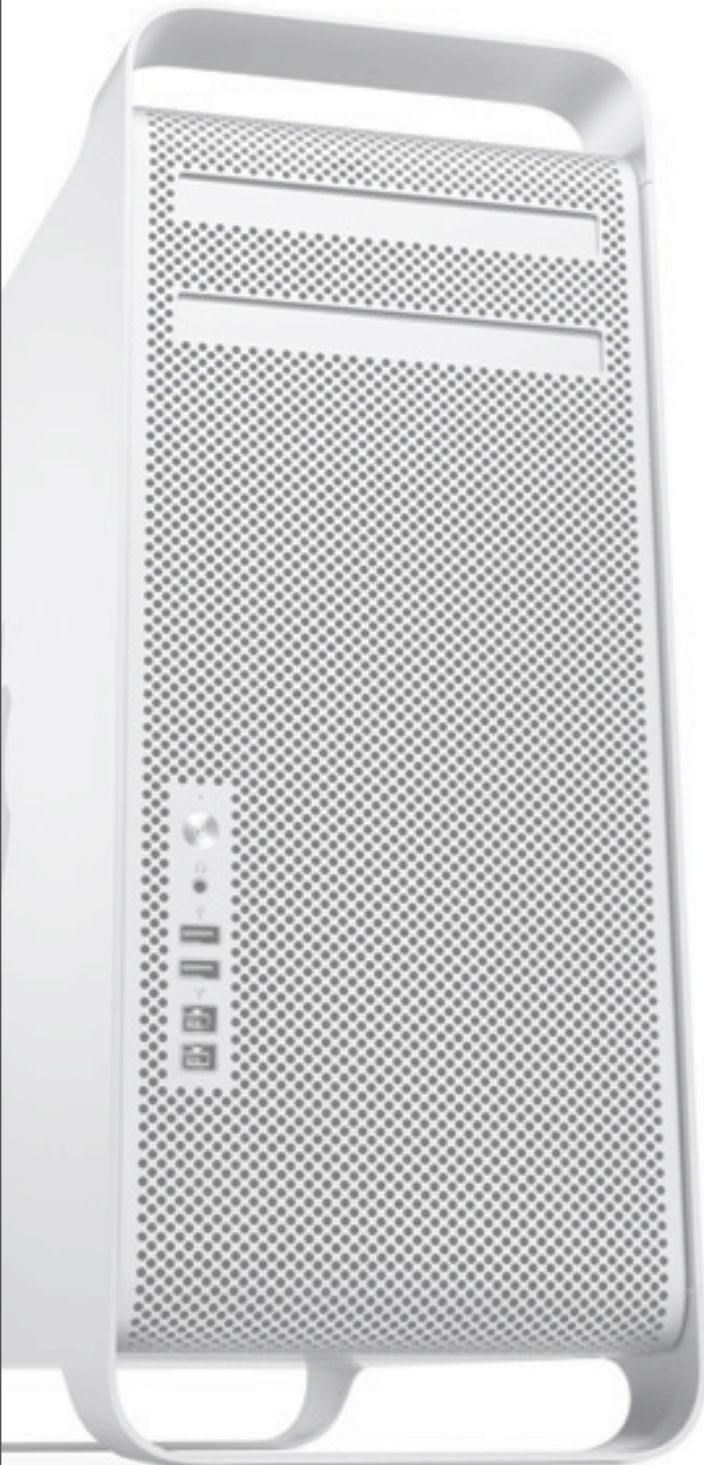
## reputil

--products

--product-info

--add-product

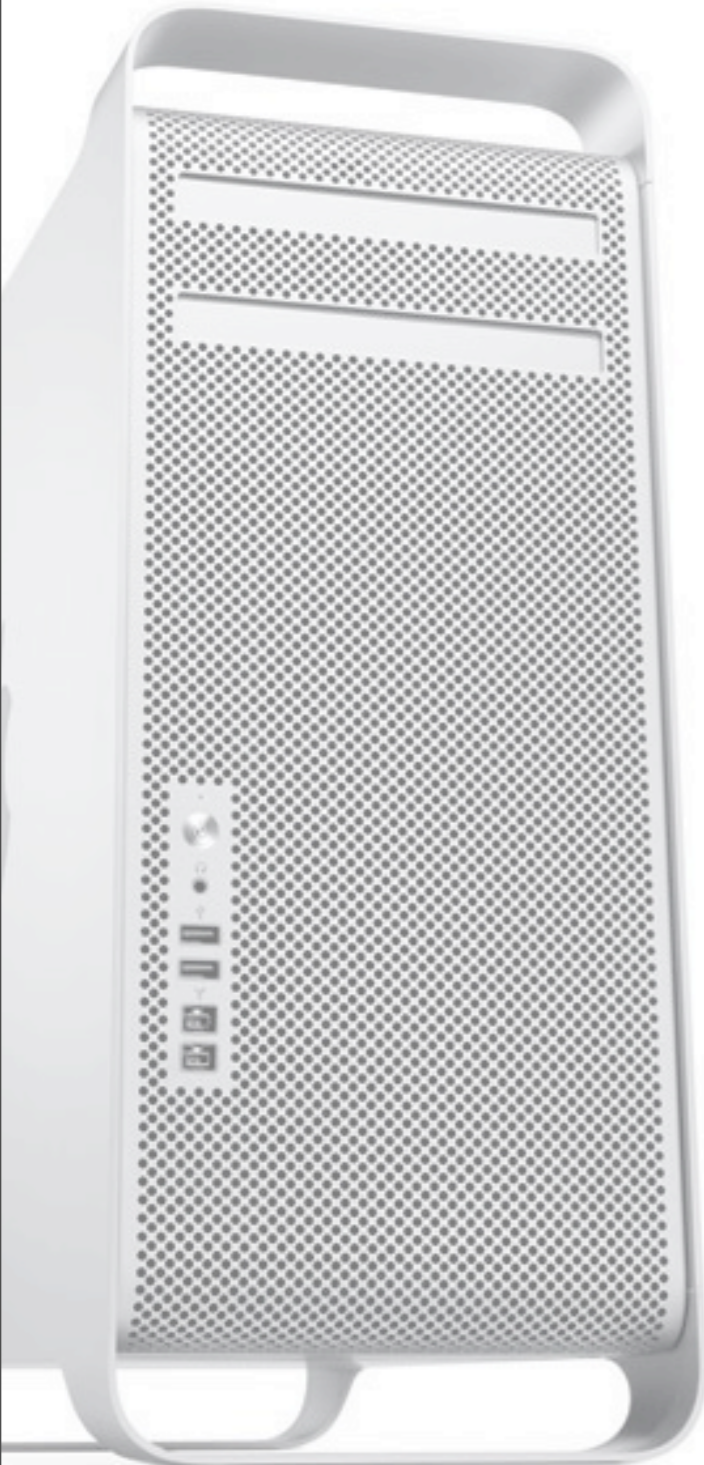
--remove-product



# Reposado

**Listing available updates:**

reputil --products



# Reposado

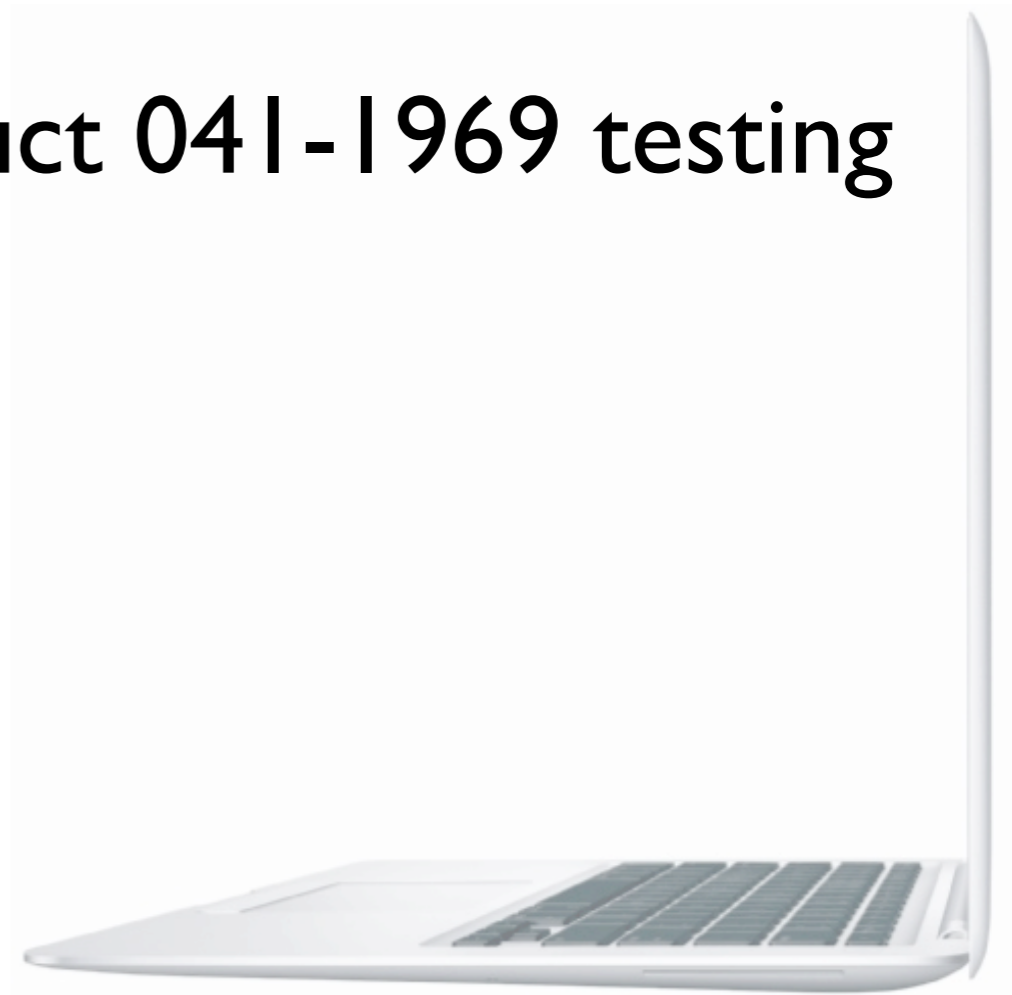
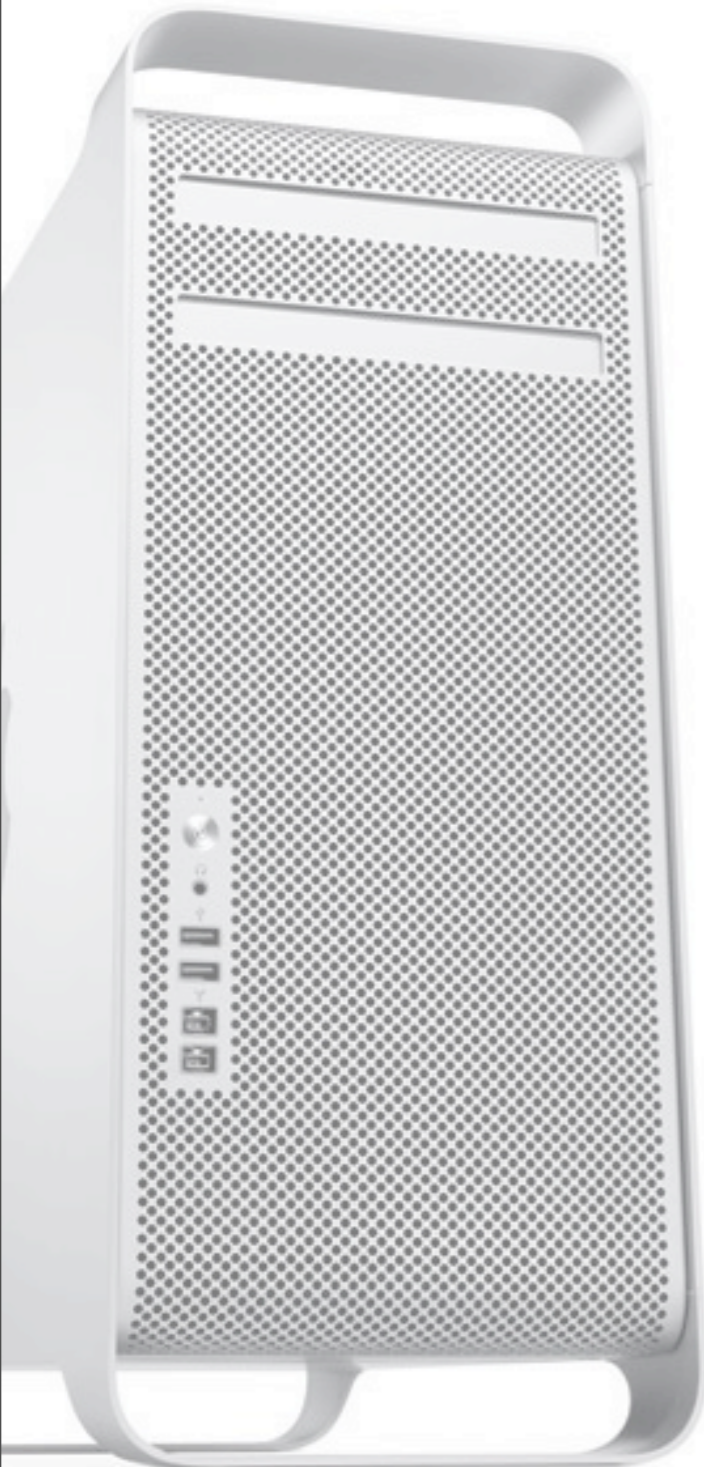
```
vmlinux:reposado root# ./repoutil --products
...
041-1618      Thunderbolt Software Update      1.0      2011-09-19 ['release', 'testing']
041-2260      ProApps QuickTime codecs          1.0      2011-09-20 ['release', 'testing']
zzzz041-2498  iTunes                             10.5     2011-10-11 ['release', 'testing']
zzzz041-1280  iTunes                             10.5     2011-10-11 ['release', 'testing']
041-1590      Mac OS X Update                   10.7.2   2011-10-12 ['testing']
041-1592      Mac OS X Update Combined          10.7.2   2011-10-12 ['testing']
041-0646      Lion Recovery Update              1.0      2011-10-12 []
zzz041-1764   Security Update 2011-006          1.0      2011-10-12 ['testing']
zzz041-1766   Security Update 2011-006          1.0      2011-10-12 ['testing']
041-1969      Safari                             5.1.1    2011-10-12 ['testing']
041-2774      iPhoto Update                     9.2      2011-10-12 []
041-0489      Aperture Update                   3.2      2011-10-12 []
041-1649      Mac OS X Server Update            10.7.2   2011-10-12 []
041-1651      Mac OS X Server Update Combined   10.7.2   2011-10-12 []
041-2818      iPhone Configuration Utility       3.4      2011-10-12 []
```



# Reposado

**Adding an update to a branch:**

repoutil --add-product 041-1969 testing



# Reposado

```
vmlinux:reposado root# ./reputil --add-product 041-1649 041-1651 testing
Adding 041-1649 (Mac OS X Server Update-10.7.2) to branch testing...
Adding 041-1651 (Mac OS X Server Update Combined-10.7.2) to branch testing...

vmlinux:reposado root# ./reputil --remove-product 041-1649 041-1651 testing
Removing 041-1649 (Mac OS X Server Update-10.7.2) from branch testing...
Removing 041-1651 (Mac OS X Server Update Combined-10.7.2) from branch testing...
```



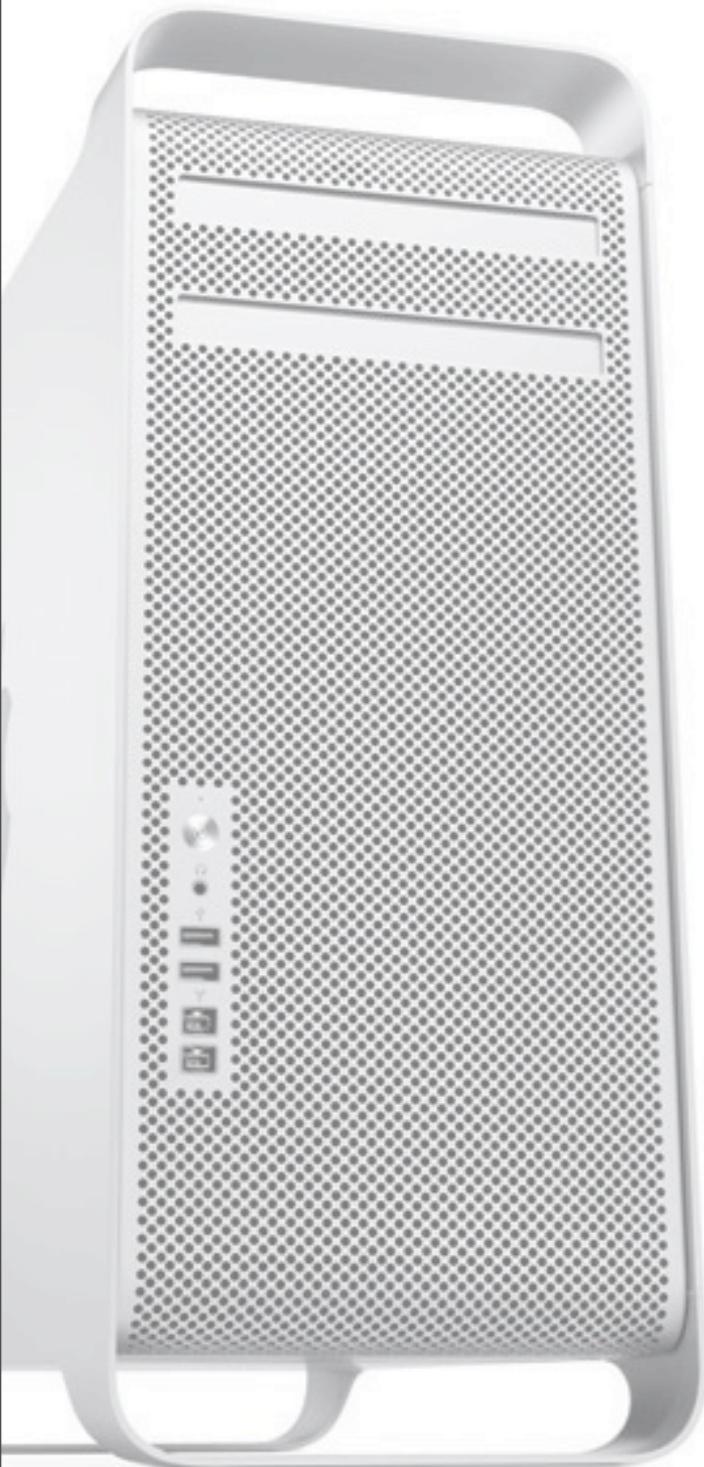


# Reposado

```
vmlinux:reposado root# ./repoutil --products | grep iTunes
zzzz061-9990 iTunes 10.1.2 2011-01-27 [ ] (Deprecated)
zzzz061-9636 iTunes 10.2 2011-03-02 [ ] (Deprecated)
zzzz041-0306 iTunes 10.2 2011-03-02 [ ] (Deprecated)
041-0362 iTunes Producer 2.3.1 2011-03-08 [ ] (Deprecated)
zzzz041-0488 iTunes 10.2.1 2011-03-08 [ ] (Deprecated)
zzzz041-0531 iTunes 10.2.2 2011-04-18 [ ] (Deprecated)
zzzz041-0532 iTunes 10.2.2 2011-04-18 [ ] (Deprecated)
zzzz041-0270 iTunes 10.3 2011-06-07 [ ] (Deprecated)
zzzz041-1574 iTunes 10.3 2011-06-07 [ ] (Deprecated)
zzzz041-1631 iTunes 10.3.1 2011-06-08 [ ] (Deprecated)
041-0372 iTunes Producer 2.4.0 2011-06-27 [ ]
zzzz041-1707 iTunes 10.4 2011-07-20 [ ] (Deprecated)
zzzz041-0716 iTunes 10.4 2011-07-20 [ ] (Deprecated)
zzzz041-1986 iTunes 10.4 2011-07-21 [ ] (Deprecated)
zzzz041-1987 iTunes 10.4 2011-07-21 [ ] (Deprecated)
zzzz041-2056 iTunes 10.4 2011-07-26 [ ] (Deprecated)
zzzz041-2055 iTunes 10.4 2011-07-26 [ ] (Deprecated)
zzzz041-2070 iTunes 10.4.1 2011-08-22 [ ] (Deprecated)
zzzz041-2071 iTunes 10.4.1 2011-08-22 [ ] (Deprecated)
zzzz041-2498 iTunes 10.5 2011-10-11 ['release', 'testing']
zzzz041-1280 iTunes 10.5 2011-10-11 ['release', 'testing']
```

# Reposado

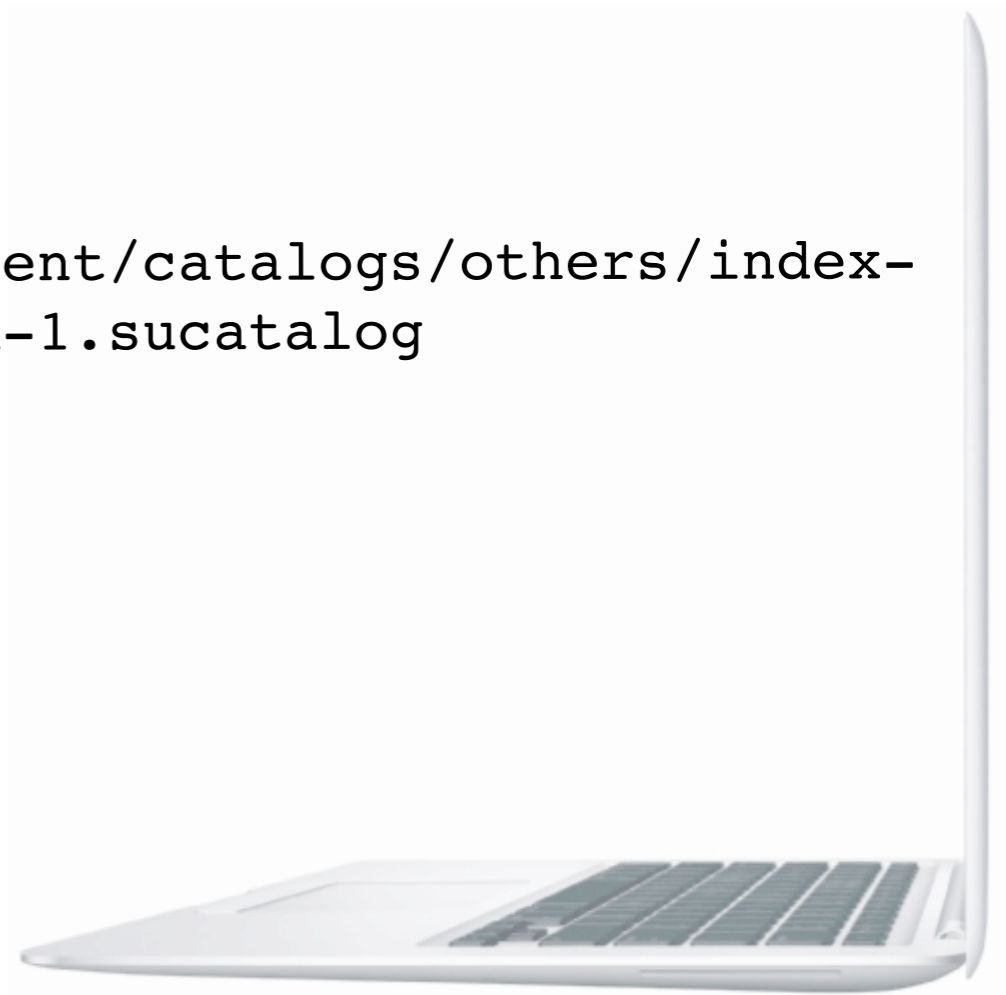
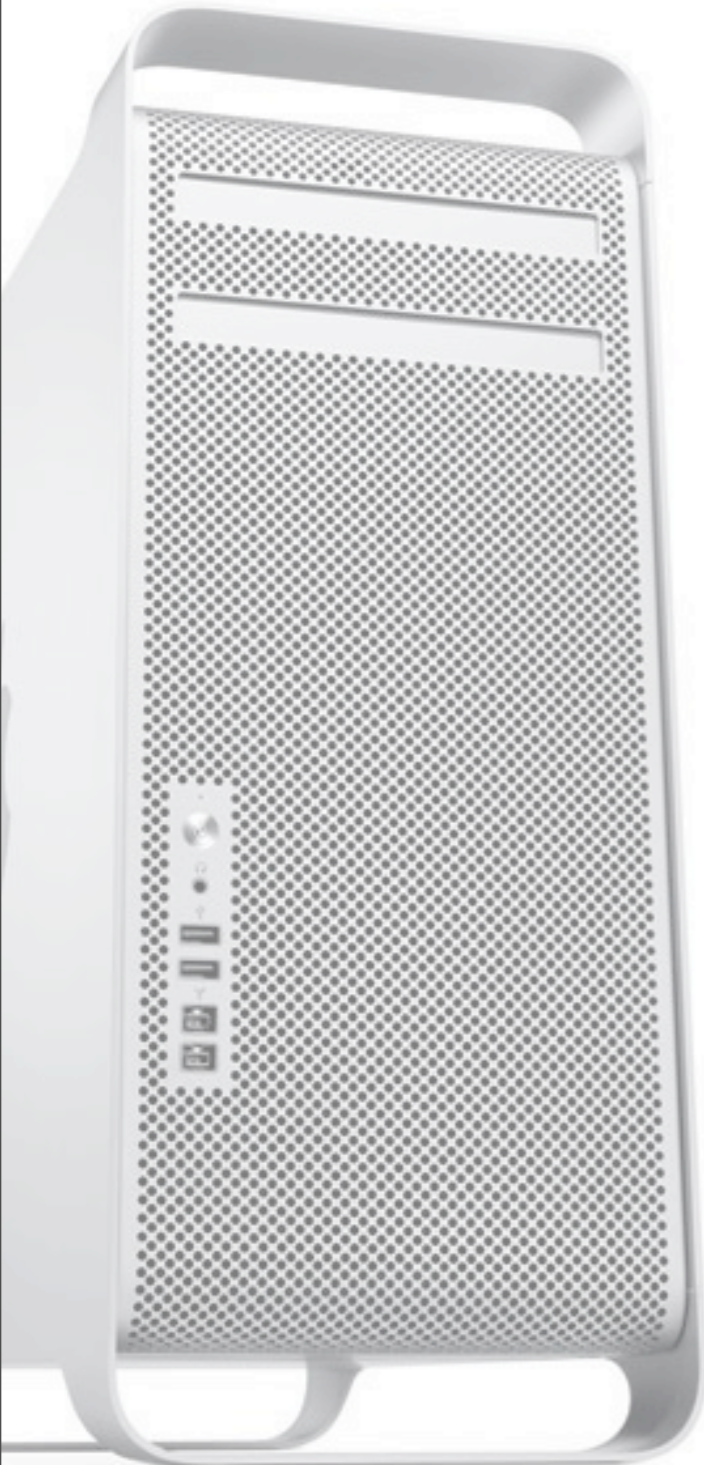
Client configuration



# Reposado

com.apple.SoftwareUpdate  
CatalogURL

`http://su.example.com/content/catalogs/others/index-leopard-snowleopard.merged-1.sucatalog`

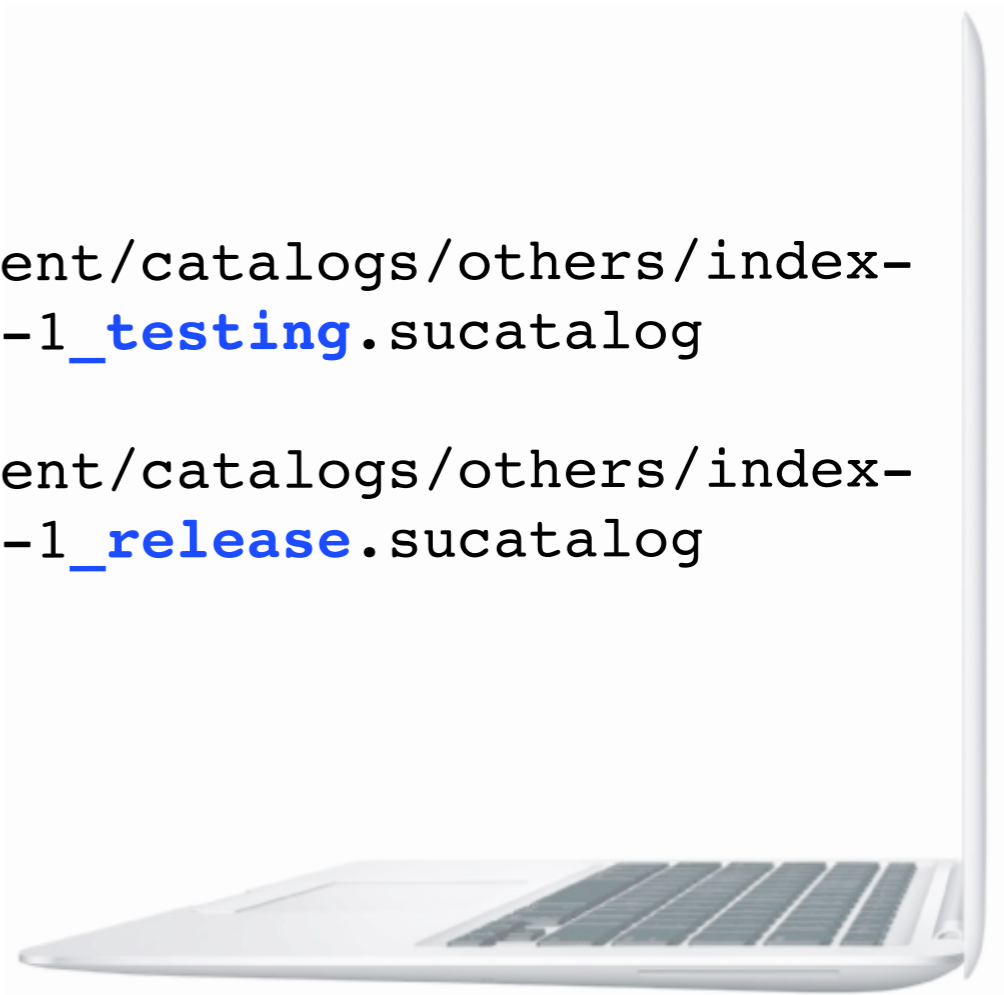
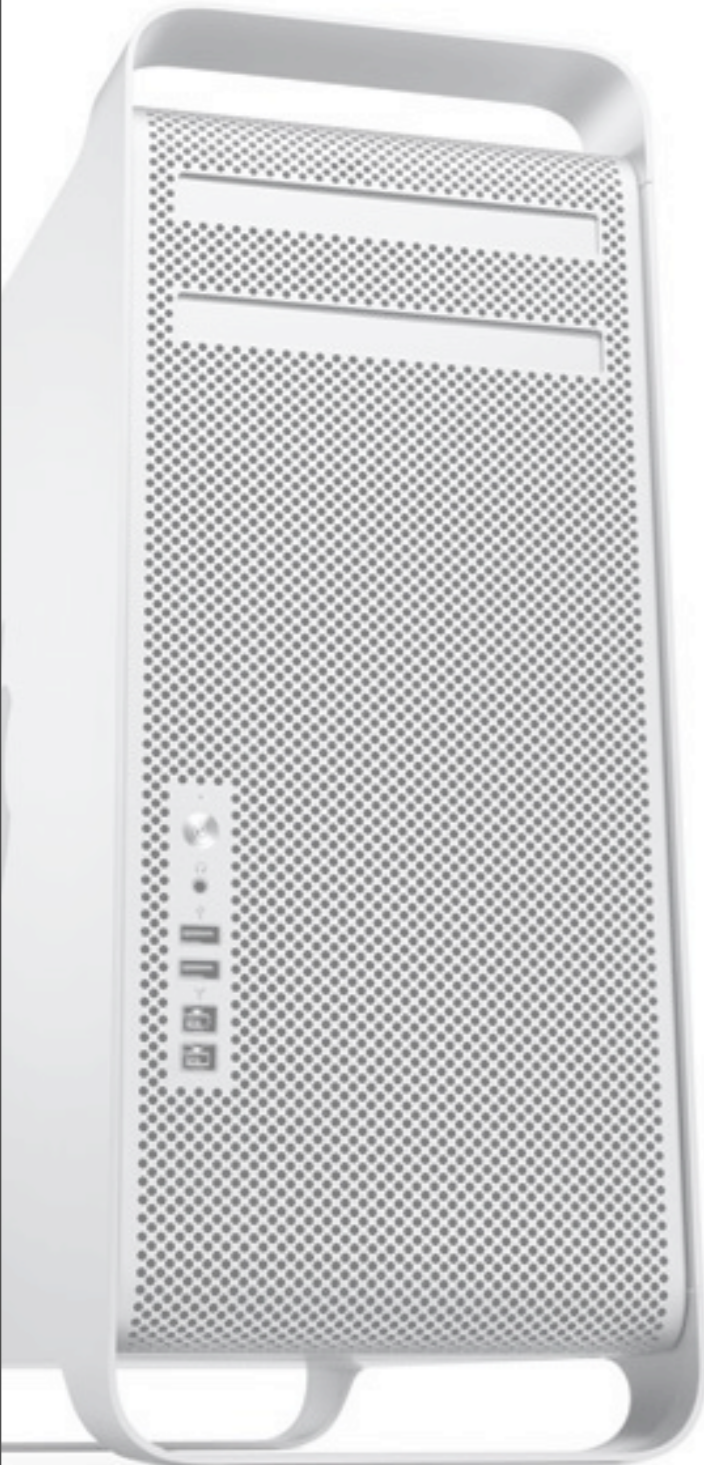


# Reposado

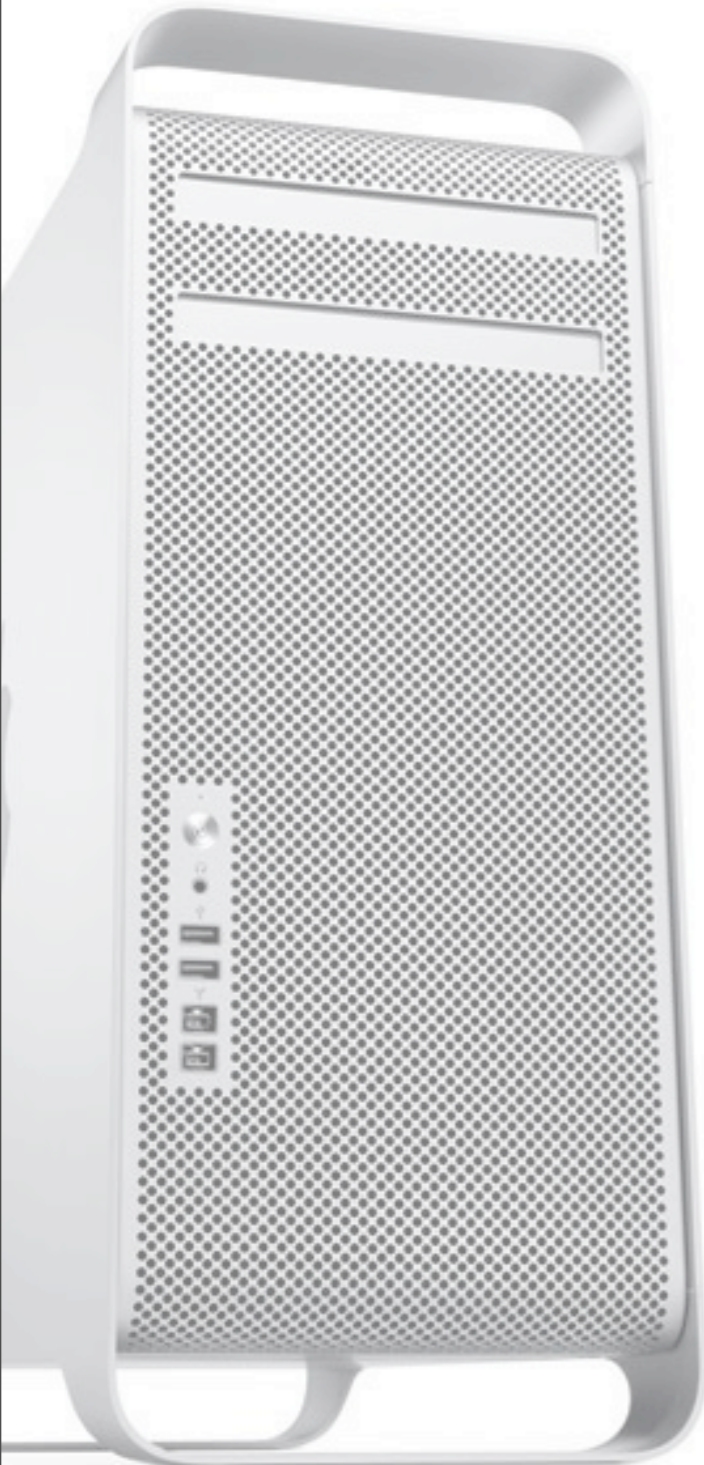
## Branches

`http://su.example.com/content/catalogs/others/index-leopard-snowleopard.merged-1_testing.sucatalog`

`http://su.example.com/content/catalogs/others/index-leopard-snowleopard.merged-1_release.sucatalog`

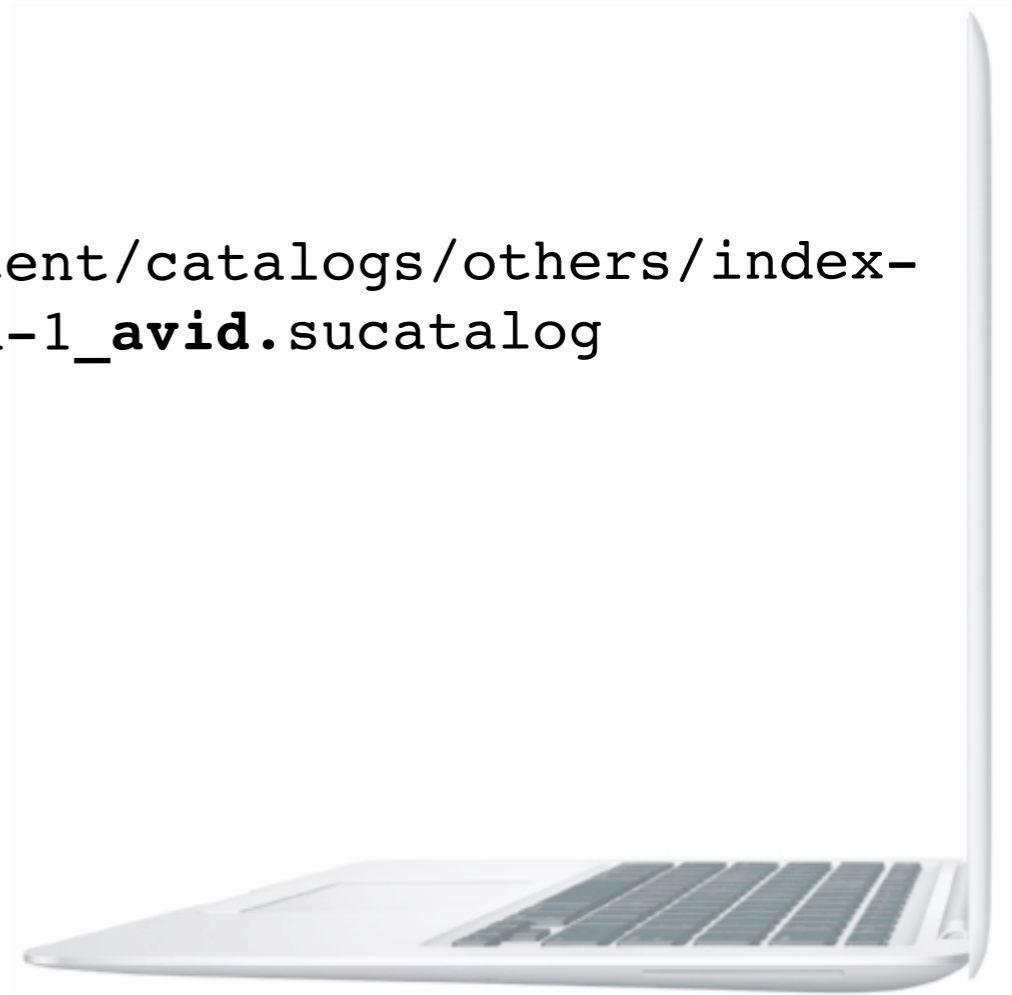


# Reposado



-or-

`http://su.example.com/content/catalogs/others/index-leopard-snowleopard.merged-1_avid.sucatalog`





# BevMo!

1320

**CLUB BEV!**  
More Inspiration  
More Great Deals  
More Savings  
More Fun  
More Than Just a Store

**BevMo!**  
Selling Schedule

BevMo!

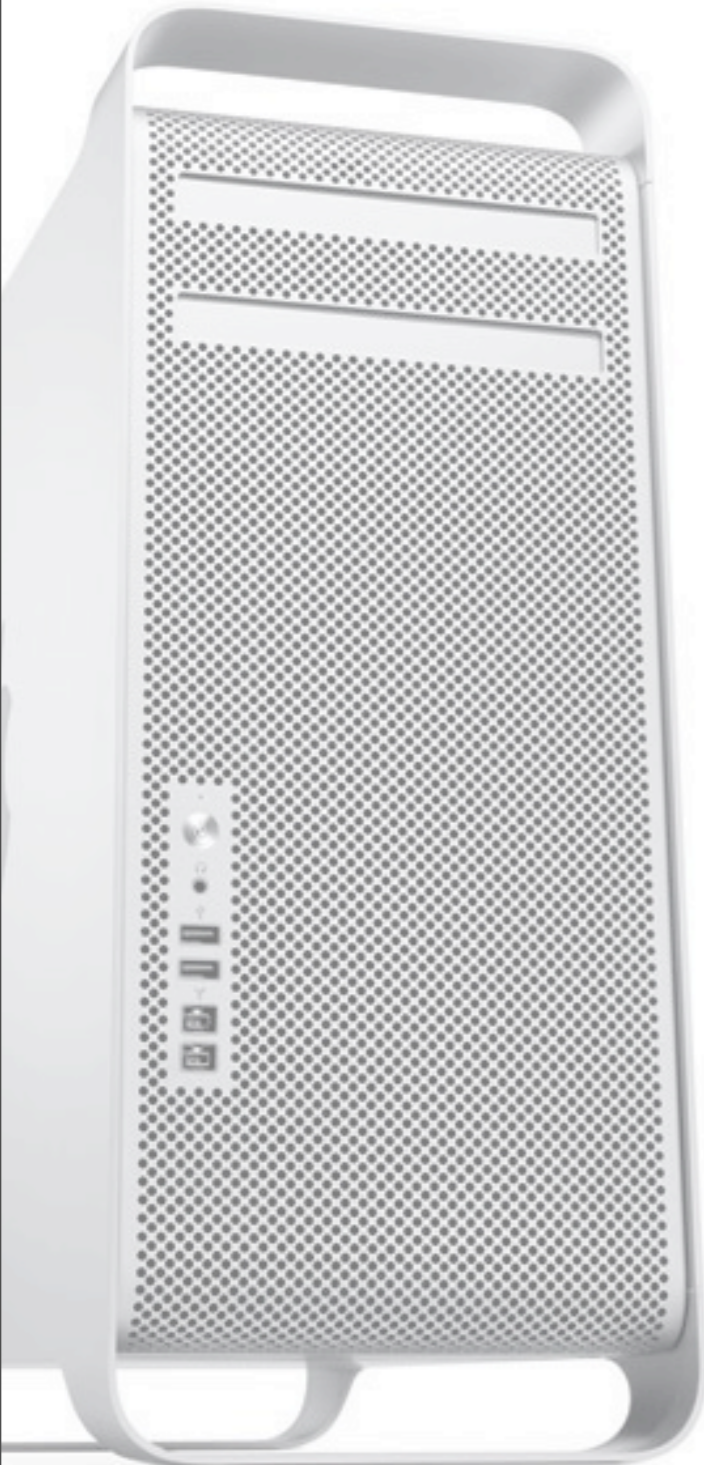
BevMo!



# Reposado

[http://www.disneyanimation.com/  
technology/opensource.html](http://www.disneyanimation.com/technology/opensource.html)

<https://github.com/wdas/reposado>





# Questions?

