



# Thinking outside the box using VM's

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Christian Asare-Anderson Client Platform Engineer



Christian.Asare-Anderson

MacAdmin:Christian.Asare-Anderson

Linkedin





# Overview

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1. Problem Scenario
2. How People reaction to change
3. Seed Testing with VM
4. Example Json File
5. Questions?



# William Wallace

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*"There's a difference between us.  
You think the people of this land exist to provide you with  
position.  
I think your position exists to provide those people with  
freedom  
and I go to make sure that they have it."*

# Problem

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**Hello IT. Have you tried  
turning it off and on again?**



**Burn it.**

# Reaction to change - Ignore

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# Reaction to change - Avoid the Risk

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**I'll just put this over here with the rest of the fire.**

# Reaction to change - Act

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# Solution Seed Testing with VM

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Notification of update to Slack Channel



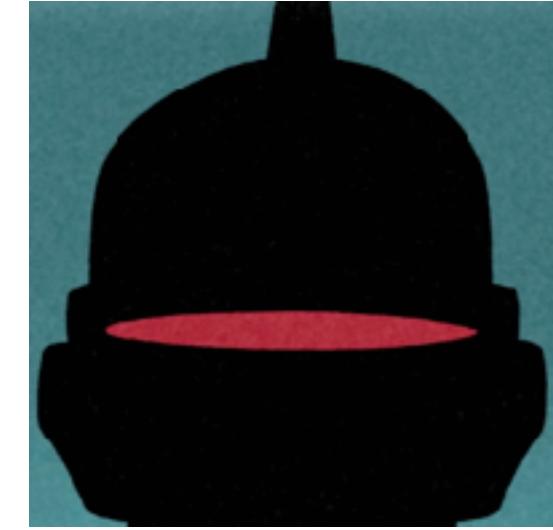
Download Seeded OS using MDS or installinstallmacos.py



Converted to DMG WITH AUTO DMG



Create JSON FILE  
CONFIGURED  
Calling the Dmg you created



Call the JSON file via terminal Vfuse-t /location



Start VM

**Non DEP**

**DEP**

# Example Json

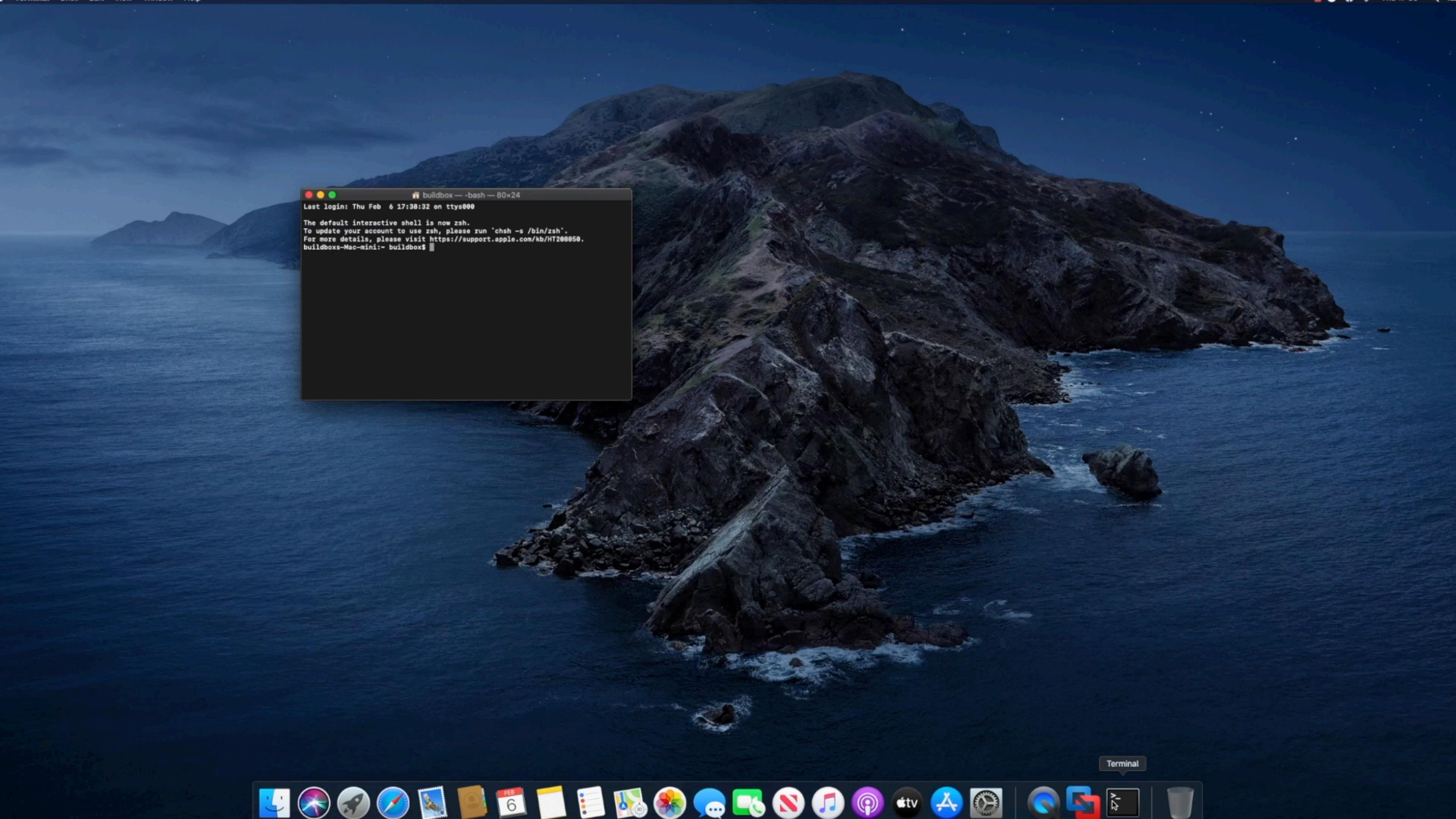
```
{  
    "source_dmg": "/Users/buildbox/Documents/VM/osx-10.15.1-19B88.apfs.dmg",  
    "output_dir": "/Users/christian.anderson/Documents/Virtual Machines.localized",  
    "output_name": "MacOS 10.15.1",  
    "cache": false,  
    "hw_version": 16,  
    "mem_size": 8192,  
    "disk_type": 0,  
    "bridged": false,  
    "enable3d": false,  
    "hw_model": "Macmini8,1",  
    "snapshot": true,  
    "snapshot_name": "S-MacM15.1",  
    "fusion_path": "/Applications/VMware Fusion.app"  
}
```

Non DEP

```
{  
    "source_dmg": "//Users/christian.anderson/Documents/VM/osx-10.15.3-19D76.apfs.dmg",  
    "output_dir": "/Users/christian.anderson/Documents/Virtual Machines.localized",  
    "output_name": "MacOS 10.15.1_DEP",  
    "cache": false,  
    "hw_version": 16,  
    "mem_size": 8192,  
    "disk_type": 0,  
    "bridged": false,  
    "enable3d": false,  
    "hw_model": "Macmini8,1",  
    "serial_number": "C0C0C0C0C0VY",  
    "snapshot": true,  
    "snapshot_name": "SDEP-MacM15.1",  
    "fusion_path": "/Applications/VMware Fusion.app"  
}
```

DEP

Your DEP S/N here



A Mac desktop background featuring a coastal landscape with mountains and the ocean. A terminal window is open in the bottom-left corner, displaying a login message.

```
buildbox — bash — 80x24
Last login: Thu Feb  6 17:38:32 on ttys000
The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
buildbox-Mac-mini:~ buildbox$
```

Terminal



# Benefits of VM test environments

“You can run multiple flavours of OS’s in each VM with ease. This allows for quicker testing and deployment for the end user.”  
- Juan Hernandez



“Cost saving - Using a virtual environment for testing means we don’t have to have expensive equipment sitting around depreciating.” - Jordan Coombs



“VM testing empowers IT by providing a wide range of testing environments such as Beta tests, Final release tests, VMs for team-specific profiles and any unique environments that you might face. For instance, specific Geos where the security workflows are completely different and more restricted than your general Mac estate.” - Luis Pinto



Thank you



*“Discipline, it is the bridge between your goals and accomplishing them” Jim Rohn*

Credit for helping us develop our workflow

MOD TITAN

SOUNDSNW

Mr Macintosh

ScriptingOSX

Luis Pinto

