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## Mac OS Configuration

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There are a number of OS enhancements that should be disabled to streamline performance and ensure that Catalyst can run un-interrupted.

### New Setup

If configuring the Mac from new, set the user to 'Catalyst' and the password to 'xxxx'

### AppNap

Ensure that AppNap is disabled for each instance of the Catalyst Application

- Right click on the Catalyst Application and select 'Get Info'
- Tick the box to select 'disable AppNap'

### System Preferences:

General	N/A
Screensaver	Disable Screensaver
Desktop	Set desktop to Black
Dock	N/A
Mission Control	Disable all Expose and Spaces shortcuts, including hot corners
Language & Region	N/A
Security & Privacy	Disable all & Ensure that 'allow applications from all sources' is selected
Spotlight	Drag the system HD to the privacy area to disable searching
Notification Centre	Disable and remove all items from notification Centre (can set to Do Not Disturb)
CD/DVD	Disable all
Displays	Set relevant resolutions and set colour profiles to 'Generic RGB' un-tick 'Mirror Displays'
Energy Saver	Disable all
Keyboard	Disable All except Screen Shots
Mouse / Trackpad	N/A
Printers	N/A
Sound	Set sound effects to internal speakers. Set up relevant input & output devices.
iCloud	N/A (Disabled)
Internet Accounts	N/A (Disabled)
App Store	Disable All
Network	Create a location called 'Catalyst' and ensure that IP and Subnet are in correct range Network 1: (eno) Artnet Configuration (e.g. IP: 2.0.0.101 Subnet: 255.0.0.0) Network 2: (en1) Control Configuration (e.g. IP: 192.168.0.101 Subnet: 255.255.0.0) Ensure that other network interfaces are disabled if not in use
Bluetooth	Disable All unless using Bluetooth Mouse & Keyboard
Extensions	Disable All
Sharing	Enable File Sharing Enable remote management. Setup for only 'Catalyst' user. Select all tick-boxes under 'options' Ensure you are logged in as admin. Remove all from login items
Users & Groups	N/A
Parental Controls	Disable all
Siri	Disable all
Time & Date	Set to the correct time
Time Machine	Disable all
Accessibility	Disable all unless required

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## **Terminal Commands:**

The following commands can be entered in to 'Terminal'

When using MacOS 10.12.6 it is necessary to disable SIP prior to entering some of these commands in Terminal.

### **Disable SIP (10.12.x only)**

Reboot into Recovery Mode (press and hold Command-R at startup) until you see the Apple logo

Then opening Terminal from the Utilities menu and enter the following command:

```
csrutil disable
```

### **Reboot and access Terminal to enter the following commands:**

#### **Disable Spotlight**

```
sudo mdutil -a -i off
```

#### **Disable Dashboard**

```
defaults write com.apple.dashboard mcx-disabled -boolean YES
```

```
killall Dock
```

#### **Disable Notification Centre**

```
launchctl unload -w /System/Library/LaunchAgents/com.apple.notificationcenterui.plist
```

```
killall NotificationCenter
```

#### **Disable Mission Control and Spaces**

```
defaults write com.apple.dock mcx-expose-disabled -bool TRUE
```

```
killall Dock
```

#### **Save to disk (not to iCloud) by default**

```
defaults write NSGlobalDomain NSDocumentSaveNewDocumentsToCloud -bool false
```

#### **Disable Resume system-wide**

```
defaults write NSGlobalDomain NSQuitAlwaysKeepsWindows -bool false
```

#### **Disable new disks requests for Time Machine**

```
defaults write com.apple.TimeMachine DoNotOfferNewDisksForBackup -bool true
```

#### **Disable "Displays have separate Spaces."**

```
defaults write com.apple.spaces spans-displays -bool TRUE
```

#### **Add Double Scroll Arrows to Both Ends of the Scroll Bar**

```
defaults write "Apple Global Domain" AppleScrollBarVariant DoubleBoth
```

#### **Disable Display Sleep, Disk Spindown, and System Sleep.**

```
sudo pmset -a displaysleep 0 disksleep 0 sleep 0
```

#### **Disable Screen Saver**

```
defaults -currentHost write com.apple.screensaver idleTime 0
```

#### **Disable Time Machine**

```
sudo tutil disable
```

#### **Disable Software Update**

```
sudo softwareupdate --schedule off
```

#### **Disable Hot Corners**

```
defaults write com.apple.dock wvous-tl-corner -int 1
```

```
defaults write com.apple.dock wvous-bl-corner -int 1
```

```
defaults write com.apple.dock wvous-tr-corner -int 1
```

```
defaults write com.apple.dock wvous-br-corner -int 1
```

### **Important:**

**You will need to restart the Mac for some changes to take effect.**

### **Enable SIP (10.12.x only)**

Reboot into Recovery Mode (press and hold Command-R at startup) until you see the Apple logo

Then opening Terminal from the Utilities menu and enter the following command:

```
csrutil enable
```

### **Reboot for or changes to take effect**