

Linux

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Homelab To Do

Given what you've been building in your homelab (BookStack, Nginx Proxy Manager, Cloudflare, Proxmox), I'd strongly recommend **Nextcloud Calendar**.

My Recommendation: Nextcloud Calendar

Why it fits your use case:

- ? Self-hosted (LXC or Docker)
- ? Native CalDAV support
- ? Subscribe to external ICS feeds (AFL, F1, MotoGP, NRL, Premier League, etc.)
- ? Excellent mobile support (iPhone and Android)
- ? Multiple calendars with different colours
- ? Can be exposed through NPM/Cloudflare like your other services
- ? Easy to back up alongside your other containers

You can have:

Calendar	Source
Work	Synced from Exchange
AFL	ICS subscription
Formula 1	ICS subscription
Family	Manually maintained
Personal	Your own events

All displayed in a single calendar application.

Exchange → Nextcloud Sync

Since you already mentioned **CalDavSynchronizer**, the typical setup is:

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Exchange Online



CalDav Synchronizer



Nextcloud Calendar (CalDAV)



iPhone Calendar App



CalDav Synchronizer runs on your Windows PC and mirrors your Outlook calendar into Nextcloud.

Alternative solutions include:

- Keeper.sh (open source) – supports Outlook, ICS and CalDAV sources. [\[github.com\]](https://github.com), [\[keeper.sh\]](https://keeper.sh)
 - DAVMail – provides CalDAV connectivity for Exchange/O365. [\[sourceforge.net\]](https://sourceforge.net)
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iPhone Access

On iOS you can simply add the Nextcloud account:

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Settings

→ Calendar

→ Accounts

→ Add Account

→ Other

→ Add CalDAV Account

Point it at:

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<https://calendar.yourdomain.com>

(or whatever hostname you choose).

Your native Apple Calendar app will then show:

- Work calendar
- Sports calendars
- Personal calendars

all together.

Best Sources for Sports ICS Feeds

A surprisingly good new project is:

Open Sports Cal – provides free ICS subscriptions for:

- AFL
- NBA
- NHL
- MLB
- Formula 1
- MotoGP
- Premier League
- World Cup
- Many others. [\[github.com\]](https://github.com)

You simply subscribe using the ICS URL and Nextcloud refreshes automatically.

If You Want Something Lighter Than Nextcloud

Baïkal

Very lightweight:

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Baikal

└─ CalDAV

└─ CardDAV

└─ Tiny footprint

└─ Easy LXC deployment

Excellent if you only need calendars and contacts.

The downside is that it's much more basic than Nextcloud.

What I Would Build In Your Homelab

For your current setup, I'd do:

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Proxmox LXC

|

└─ Nextcloud

|

└─ Personal Calendar

|

└─ Work Calendar

|

└─ AFL Calendar

|

└─ Formula 1 Calendar

|

└─ Family Calendar

|

└─ Nginx Proxy Manager

└─ Cloudflare

Then:

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Outlook (work)

↓

CalDav Synchronizer

↓

Nextcloud

↓

iPhone Calendar

That gives you a single calendar app on your phone showing work, sporting events, and personal schedules all in one place with no Microsoft dependency beyond the Exchange source.

Fedora Setup

Windows boot missing after installing linux

- Boot to windows 11 installation media
- Shift F10

<code>diskpart</code>	
<code>list disk</code>	
<code>list vol</code>	
<code>select vol X</code>	select FAT32 linux boot partition
<code>assign letter=S</code>	
<code>exit</code>	
<code>dir S:\EFI</code>	verify
<code>dir C:\Windows</code>	verify
<code>bcdboot C:\Windows /s S: /f UEFI</code>	create boot files
<code>dir S:\EFI</code>	verify
<code>sudo grub2-mkconfig -o /boot/grub2/grub.cfg</code>	generate grub config file
<code>grep menuentry /boot/grub2/grub.cfg</code>	verify (windows should be present)
<code>sudo nano /etc/default/grub</code> <code>GRUB_TIMEOUT=10</code> <code>GRUB_TIMEOUT_STYLE=menu</code>	
<code>sudo grub2-mkconfig -o /boot/grub2/grub.cfg</code>	regenerate grub config file
<code>bootctl status</code>	verify
<code>sudo nano /etc/fstab</code> <code>monty.nas:/mnt/storage/media /mnt/media nfs4</code> <code>_netdev,nofail,x-systemd.automount 0 0</code> <code>monty.nas:/mnt/storage/data /mnt/data nfs4</code> <code>_netdev,nofail,x-systemd.automount 0 0</code>	mount NFS shares persistently

Youtube in VLC

grep -r codeready /etc/	confir "code
subscription-manager repos --enable codeready-builder-for-rhel-10-x86_64-rpms	enabl
dnf install https://dl.fedoraproject.org/pub/epel/epel-release-latest-10.noarch.rpm	instal
dnf install vlc -y	try in
dnf install python3-pip -y	instal
python3 -m pip install --user yt-dlp	instal
python3 -m yt_dlp https://www.youtube.com/watch?v=l7tjgm_6LLk	down
python3 -m yt_dlp " https://www.youtube.com/watch?v=l7tjgm_6LLk " -o - vlc -	play \
sudo dnf install --nogpgcheck https://mirrors.rpmfusion.org/free/el/rpmfusion-free-release-\$(rpm -E %rhel).noarch.rpm https://mirrors.rpmfusion.org/nonfree/el/rpmfusion-nonfree-release-\$(rpm -E %rhel).noarch.rpm	instal
sudo dnf install -y --allowerasing ffmpeg ffmpeg-libs	instal --allo

Fedora AMDGPU driver and Mesa are built into the kernel

Multimedia codecs: [rpmfusion.org/Howto/Multimedia?highlight=\(\bCategoryHowto\b\)](https://rpmfusion.org/Howto/Multimedia?highlight=(\bCategoryHowto\b))

XFCE

Brightness shortcuts

```
bash -c 'ddcutil --display 1 setvcp 10 + 25; ddcutil --display 2 setvcp 10 + 25'
```

```
bash -c 'ddcutil --display 1 setvcp 10 - 25; ddcutil --display 2 setvcp 10 - 25'
```

sudo nano /etc/X11/xorg.conf.d/99-tearfree.conf section "OutputClass" Identifier "AMD Graphics" MatchDriver "amdgpu" Driver "amdgpu" Option "TearFree" "true" Option "AsyncFlipSecondaries" "true" Option "VariableRefresh" "true" EndSection	Enable vrr, adaptive sync, and disable tearing
xfconf-query -c xfwm4 -p /general/use_compositing -s false	Disable Mutter Compositor
	Enable RPM Fusion
sudo dnf upgrade --refresh	Update

<code>sudo dnf install steam</code>	
<code>sudo dnf install gamemode</code>	
<code>sudo dnf install mangohud</code>	
<code>mangohud gamemoderun %command%</code>	Steam game launch option:
<code>xrandr --props</code>	verify display settings adaptive sync tearing
<code>sudo dnf groupupdate multimedia</code>	install multimedia codecs
<code>sudo dnf swap ffmpeg-free ffmpeg --allowerasing</code>	swap Fedora's trimmed-down FFmpeg with the full version

Disable display compositor via Window Manager Tweaks (may introduce input lag)

Enable Resizable BAR (SAM) On your motherboard BIOS:

Above 4G Decoding ? Enabled
Re-Size BAR Support ? Enabled

Interesting

<https://groups.google.com/g/comp.os.minix/c/wlhw16QWltI?pli=1>

https://en.wikipedia.org/wiki/List_of_Linux_distributions