Arch Linux Space Cleanup Commands

1. Check Disk Usage

```
df -h

sudo du -sh /*
```

2. Clean Package Cache

```
# Remove old package versions

sudo pacman -Sc

# Optimize cache (keep 3 versions)

sudo pacman -S pacman-contrib

paccache -r

# Keep only 2 versions

paccache -rk2
```

3. Remove Orphaned Packages

```
# List orphans

pacman -Qdtq

# Remove orphans

sudo pacman -Rns $(pacman -Qdtq)
```

4. Clear Journal Logs

```
# Check log size

journalctl --disk-usage

# Keep last 2 days

sudo journalctl --vacuum-time=2d

# Limit logs to 200MB

sudo journalctl --vacuum-size=200M
```

5. Find and Delete Large Files

```
sudo pacman -S ncdu

sudo ncdu /
```

6. Clean User Cache

```
rm -rf ~/.cache/*
```

7. Remove Unused Kernels

```
# List installed kernels

ls /boot/vmlinuz*

# Remove a kernel (example)

sudo pacman -R linux-lts510
```

8. Uninstall Unused Software

```
# List explicitly installed packages
```

```
pacman -Qe

# Remove a package

sudo pacman -Rns <package-name>
```

9. Docker Cleanup

```
docker system prune -a --volumes
```

10. Browser Cache

- Use browser shortcuts (e.g., Ctrl+Shift+Del).

11. Limit Journal Size

```
# Edit config

sudo nano /etc/systemd/journald.conf  # Add `SystemMaxUse=50M`

# Restart service

sudo systemctl restart systemd-journald
```

12. Find Duplicate Files

```
sudo pacman -S fdupes

fdupes -r /path/to/dir
```

13. Clear Temporary Files

```
sudo rm -rf /tmp/*
```

14. Btrfs Snapshots (if using snapper)

```
snapper list
```

```
snapper delete <snapshot-id>
```