AI-04537 Ubuntu Docker Cleanup CLI

Here is a complete cheat sheet containing every command mentioned across our conversation, consolidated into a single block for easy copy-pasting or saving to a script.

Bash

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# ================================================================================
# DISK SPACE & DOCKER CLEANUP CHEAT SHEET
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# --------------------------------------------------------------------------------
# 1. DISK USAGE & SYSTEM DIAGNOSTICS
# --------------------------------------------------------------------------------
# Check overall disk space usage across all mounted filesystems
df -h

# Check Docker space usage broken down by Images, Containers, Volumes, and Cache
docker system df

# List Docker images sorted by size (largest first)
docker images --format "table {{.Repository}}\t{{.Tag}}\t{{.Size}}\t{{.ID}}" | sort -k3 -h -r

# See all running containers with their names, images, and statuses
docker ps --format "table {{.ID}}\t{{.Names}}\t{{.Image}}\t{{.Status}}"

# Check directory size breakdown in /var and /home
sudo du -h --max-depth=1 /var 2>/dev/null | sort -hr
sudo du -h --max-depth=1 /home 2>/dev/null | sort -hr

# Find the top 10 largest files on the system
sudo find / -type f -exec du -Sh {} + 2>/dev/null | sort -rh | head -n 10

# Install and launch ncdu for an interactive terminal disk usage analyzer
sudo apt update && sudo apt install -y ncdu
sudo ncdu /

# --------------------------------------------------------------------------------
# 2. DOCKER CLEANUP COMMANDS
# --------------------------------------------------------------------------------
# Remove all exited/stopped containers in one command
docker rm $(docker ps -a -q -f status=exited)

# Stop and remove a specific container by name or ID
docker stop <container_name_or_id>
docker rm <container_name_or_id>
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# Delete a specific Docker image manually
docker rmi <image_id>

# Run general Docker system cleanup (removes stopped containers & dangling images)
docker system prune -a

# Delete all unused Docker persistent volumes
docker volume prune

# Delete all Docker images NOT attached to an active running container
docker image prune -a

# Navigate to a lab directory and bring down a Compose stack (stops containers safely)
cd ~/dockerlab/<project_folder>
docker compose down

# ------------------------------------------------------------------------------
# 3. OS & SYSTEM LOG CLEANUP (UBUNTU / DEBIAN)
# ------------------------------------------------------------------------------
# Clean local APT archive cache and purge orphaned dependency packages
sudo apt-get clean
sudo apt-get autoremove --purge -y

# Vacuum systemd journal logs to free space (caps total log size at 100MB)
sudo journalctl --vacuum-size=100M
```