**🛠️ Goal:**

* Simulate disk usage increasing **50MB every 10 minutes**
* Watch it grow over time (so Datadog can forecast the trend)
* This will help you **test Datadog forecast-based alerts**

**✅ Step-by-Step Simulation Script**

**🔹 1. Create a simulation script**

Save the following as simulate-disk-usage.sh:

#!/bin/bash

# Configuration

TARGET\_DIR="/tmp/fake-disk-usage"

FILE\_PREFIX="junkfile"

INCREMENT\_MB=50

INTERVAL\_MINUTES=10

# Create the directory if it doesn't exist

mkdir -p "$TARGET\_DIR"

echo "Simulating disk usage increase by ${INCREMENT\_MB}MB every ${INTERVAL\_MINUTES} minutes..."

echo "Target directory: $TARGET\_DIR"

count=1

while true; do

FILE\_NAME="${TARGET\_DIR}/${FILE\_PREFIX}\_${count}.dat"

echo "[$(date)] Creating $FILE\_NAME with size ${INCREMENT\_MB}MB..."

dd if=/dev/urandom of="$FILE\_NAME" bs=1M count=$INCREMENT\_MB status=none

echo "Total disk used in $TARGET\_DIR: $(du -sh $TARGET\_DIR | cut -f1)"

count=$((count + 1))

sleep "${INTERVAL\_MINUTES}m"

done

**🔹 2. Make the script executable**

chmod +x simulate-disk-usage.sh

**🔹 3. Run the script in the background**

nohup ./simulate-disk-usage.sh > simulate.log 2>&1 &

This will keep increasing disk usage every 10 minutes by 50MB.

**🔍 Validate with df and du**

* To monitor disk usage live:

watch -n 10 'df -h /tmp'

* To check directory size growth:

watch -n 10 'du -sh /tmp/fake-disk-usage'

**🧼 Cleanup (when done)**

pkill -f simulate-disk-usage.sh

rm -rf /tmp/fake-disk-usage