**Option 1: Turn Off and Turn On Instance on Weekends**

**Cost Calculation**

**Instance Costs**:

* **Full Month Instance Cost**: 24 hours/day×30 days×$1.212 per hour=$872.64
* **Instance Cost Savings for Weekends**: 48 hours/weekend×$1.212 per hour=$58
  + **Monthly Savings** (4 weekends): $58.18×4=$232.72

**EBS Volume Storage Costs During Weekends**:

* **EBS Storage Cost for Weekends (48 hours)**: 450 GB×$0.10 per GB-month×(48/720)=$3 per weekend
  + **Monthly EBS Storage Cost for Weekends**: $3×4=$12

**Total Costs**:

* **Monthly Cost with Instance On**: $872.64
* **Monthly Cost with Instance Off on Weekends**: $872.64−$232.72+$12=$651.92

**Savings**:

* **Monthly Savings**: $872.64−$651.92=$220.72
* **Weekly Savings**: $220.72/4=$55.18

**Option 2: Terminate Instance and Create AMI on Friday, Restore on Monday**

**Cost Calculation**

**Instance Costs**:

* **Full Month Instance Cost**: 24 hours/day×30 days×$1.212 per hour=$872.64
* **Instance Cost Savings for Weekends**: 48 hours/weekend×$1.212 per hour=$58.18
  + **Monthly Savings** (4 weekends): $58.18×4=$232.72

**AMI Costs**:

* **AMI Storage Cost for Weekends (100 GB for 3 days)**: 100 GB×$0.05 per GB-month×(3/30)=$0.50
  + **Monthly AMI Storage Cost for Weekends**: $0.50×4=$2

**Total Costs**:

* **Monthly Cost with Instance On**: $872.64
* **Monthly Cost with Instance Terminated and Restored**: $872.64−$232.72+$2=$642.92

**Savings**:

* **Monthly Savings**: $872.64−$642.92=$229.72
* **Weekly Savings**: $229.72/4=$57.43

**Summary**

**Option 1: Turn Off and Turn On Instance on Weekends**

* **Monthly Savings**: $220.72
* **Weekly Savings**: $55.18

**Option 2: Terminate Instance and Create AMI on Friday, Restore on Monday**

* **Monthly Savings**: $229.72
* **Weekly Savings**: $57.43

Both options offer similar savings, with the terminate-and-restore option providing slightly higher savings compared to the turn-off option.