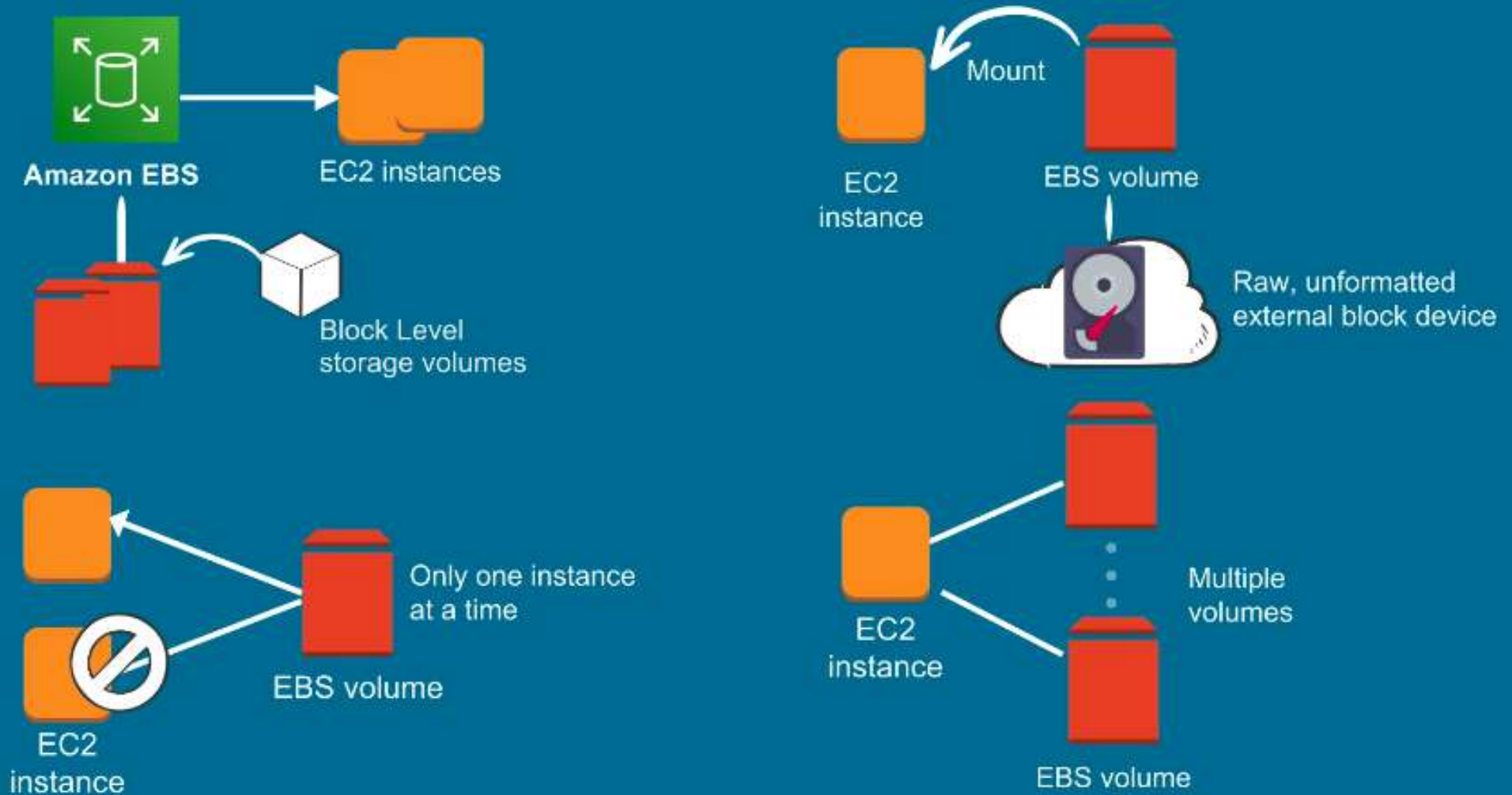
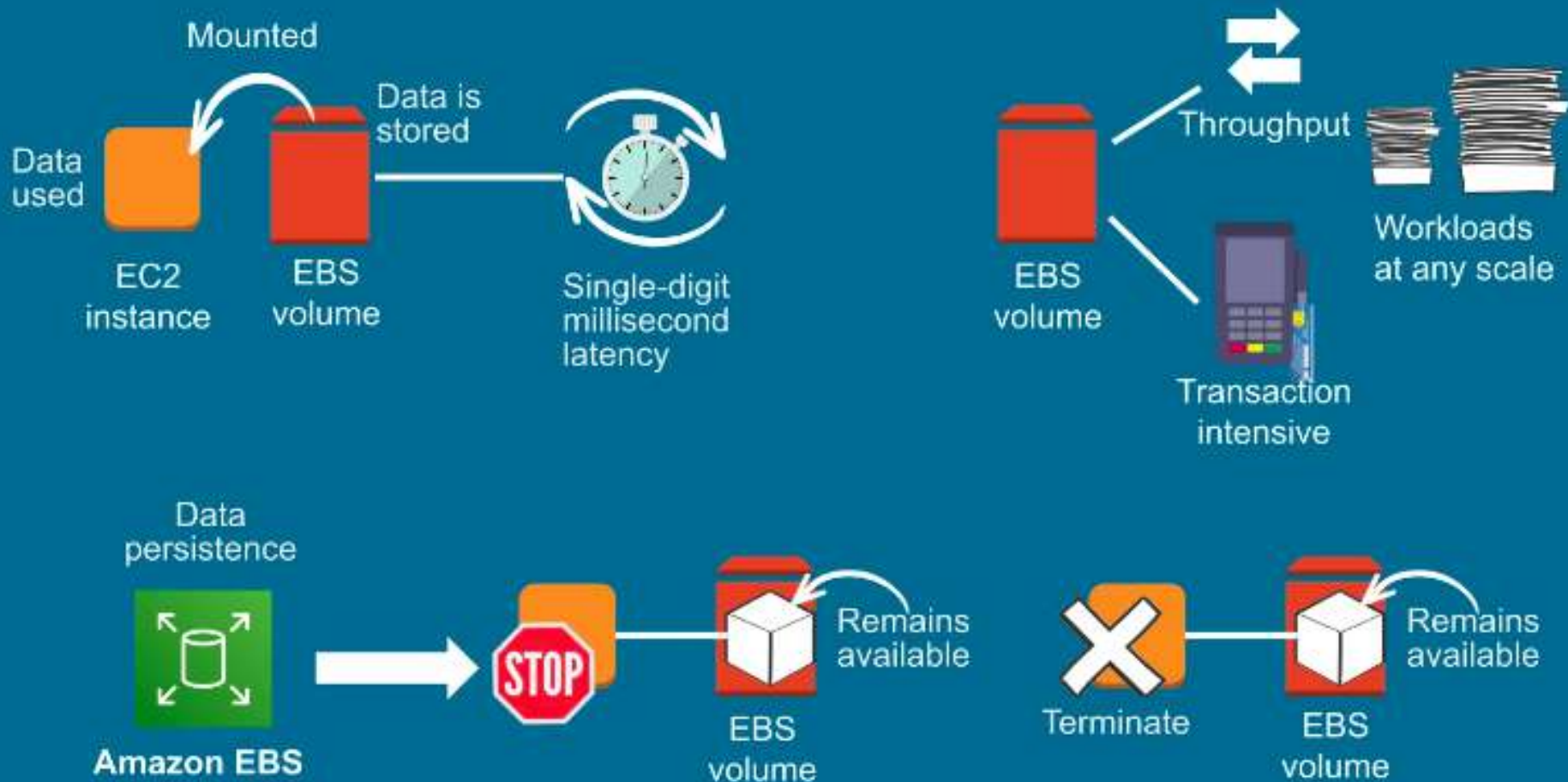


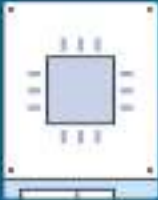
# Amazon Elastic Block Store



# Amazon Elastic Block Store



# Amazon EBS Volume Types



Solid-State Drive  
SSD-backed  
storage



Hard Disk Drive  
HDD-backed  
storage

# SSD-Backed Storage

Frequent R/W  
with small I/O

Use cases:

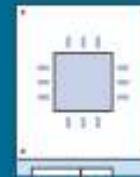


Databases



Boot volume

Solid-State Drive  
SSD-backed  
storage

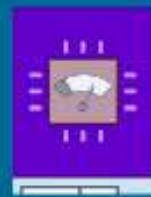


Dominant  
performance  
IOPS  
(Input/output  
operations per sec)

Provisioned IOPS SSD

General Purpose SSD

Highest  
performance



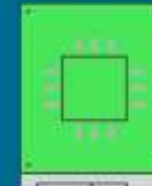
io2 Block  
express



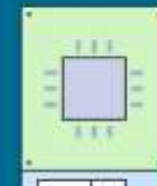
io2



io1



gp3



gp2



Latency-  
sensitive



Transaction  
workloads



Independent





# HDD-Backed Storage

Use cases:



MapReduce



Data warehouse



Log processing



Hard Disk Drive  
HDD-backed storage

Dominant performance



Throughput  
MB/s

Throughput Optimized HDD



st1

Cold HDD



sc1



Lowest cost

Frequently accessed



Throughput  
intensive

Less frequently  
accessed

