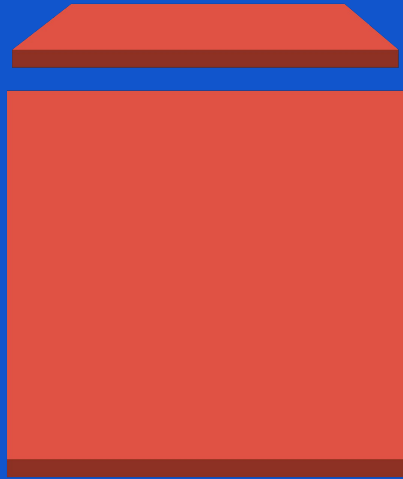


Elastic Block Store

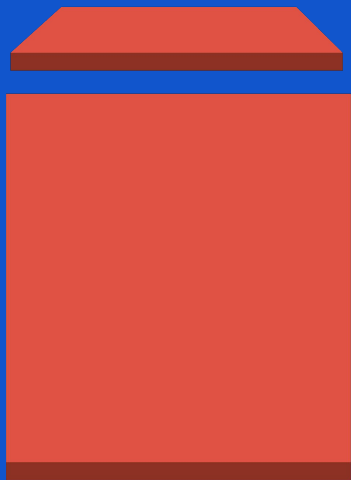


What is EBS?

- Amazon Elastic Block Store (Amazon EBS) provides block level storage volumes for EC2 instances.
- Amazon EBS is recommended when data must be quickly accessible and requires long-term persistence

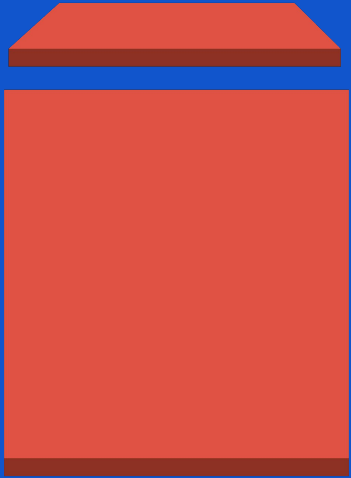


EBS Volume Types



- General purpose SSD
- Provisioned IOPS SSD
- Throughput Optimized HDD
- Cold HDD
- Magnetic

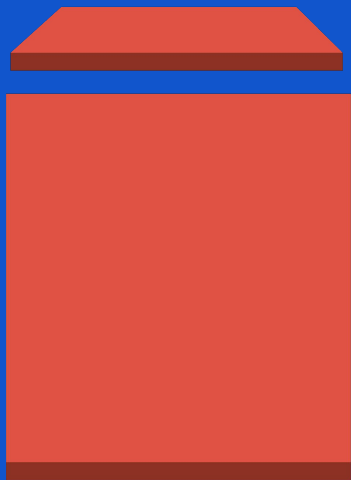
General Purpose SSD



- General purpose SSD volume that balances price and performance for a wide variety of transactional workloads
- Recommended for
 - Low latency interactive applications
 - Dev & Test Environments



Provisioned IOPS SSD



- **Provisioned IOPS SSD**

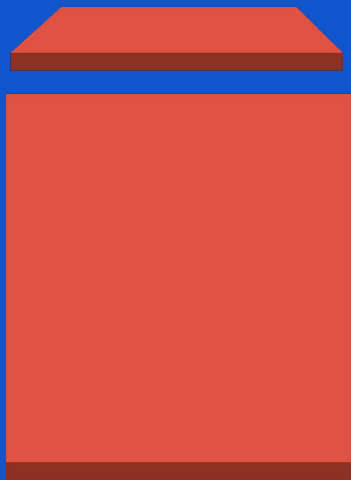
- Highest-performance SSD volume designed for mission-critical applications

- **Recommended For**

- Critical business applications that require consistent IOPS performance, or more than 10,000 IOPS or 160 MiB/s of throughput per volume
- Large database workloads, such as:
 - MongoDB
 - Cassandra
 - Microsoft SQL Server
 - MySQL
 - PostgreSQL
 - Oracle



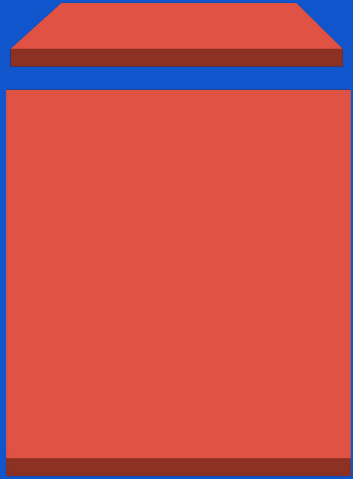
Throughput Optimized Hard Disk Drives (HDD)



- Low cost HDD volume designed for frequently accessed, throughput-intensive workloads
 - Streaming workloads requiring consistent, fast throughput at a low price
 - Big data
 - Data warehouses
 - Frequently accessed data



Cold Hard Disk Drives (HDD)



- Throughput-oriented storage for large volumes of data that is infrequently accessed
- Scenarios where the lowest storage cost is important

Magnetic



- Magnetic volumes are backed by magnetic drives and are suited for workloads where data is accessed infrequently, and scenarios where low-cost storage for small volume sizes is important.
- Note:
 - Magnetic is a Previous Generation Volume. For new applications, we recommend using one of the newer volume types.

