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Amazon EBS FAQs

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General

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Are Amazon EBS volume and snapshot ID lengths changing in 2018?

+

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Which volume should I choose?



Since io2 Block Express provides higher volume durability, should I still take snapshots and plan to replicate io2 Block Express volumes across Availability Zones (AZs) for high durability?



What are best practices for high availability on Amazon EBS?



How do I modify the capacity, performance, or type of an existing EBS volume?



Are EBS Standard Volumes still available?



Are Provisioned IOPS SSD (io2 Block Express and io1) volumes available for all Amazon EC2 instance types?



Performance

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What level of performance consistency can I expect to see from my Provisioned IOPS SSD (io2 Block Express and io1) volumes?



What level of performance latency can I expect to see from my Provisioned IOPS SSD (io2 Block Express and io1) volumes?



Does the I/O size of my application reads and writes affect the rate of IOPS I get from my Provisioned IOPS SSD (io2 Block Express) volumes?



What factors can affect the performance consistency I see with Provisioned IOPS SSD (io2 Block Express and io1) volumes?



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throughput I get from my HDD-backed volumes?



What factors can affect the performance consistency of my HDD-backed volumes?



Can I stripe multiple volumes together to get better performance?



How does Amazon EBS handle issues like storage contention?



What level of performance consistency can I expect to see from my General Purpose SSD (gp3 and gp2) volumes?



What level of performance latency can I expect to see from my General Purpose SSD (gp3 and gp2) volumes?



Do General Purpose SSD (gp3) volumes have burst?



How does burst work on General Purpose SSD (gp2) volumes?



What is EBS Block Express?



What workloads are suited for io2 Block Express?



Snapshots

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How can I use EBS direct APIs for Snapshots?



What block sizes are supported by GetSnapshotBlock and PutSnapshotBlock APIs?



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- | | |
|--|---|
| Does it take longer to snapshot an entire 16 TB volume as compared to an entire 1 TB volume? | + |
| Are snapshots versioned? Can I read an older snapshot to do a point-in-time recovery? | + |
| How can I discover Amazon EBS snapshots that are shared with me? | + |
| How can I find which Amazon EBS Snapshots are shared globally? | + |
| How can I find a list of Amazon public datasets stored in Amazon EBS Snapshots? | + |
| When would I use Fast Snapshot Restore (FSR)? | + |
| Does enabling FSR for my snapshot speed up snapshot creation? | + |
| How do I enable Fast Snapshot Restore (FSR)? | + |
| How do I use Fast Snapshot Restore (FSR)? | + |
| How many concurrent volumes can I create and what happens when I surpass this limit? | + |
| How do I know when a volume was created from an FSR-enabled snapshot? | + |
| What happens to FSR when I delete a snapshot? | + |
| Can I enable FSR for public and private snapshots shared with me? | + |

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snapshot stops sharing the snapshot or deletes it?

How do I automate application-consistent EBS Snapshots?



Encryption

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What is Amazon EBS encryption?



What is the AWS Key Management Service (KMS)?



Why should I use EBS encryption?



How are my Amazon EBS encryption keys managed?



Does EBS encryption support boot volumes?



Can I create an encrypted data volume at the time of instance launch?



Can I create additional encrypted data volumes at the time of instance launch that are not part of the AMI?



Can I launch an encrypted EBS instance from an unencrypted AMI?



Can I share encrypted snapshots and AMIs with other accounts?



Can I ensure that all new volumes created are always encrypted?



Billing and metering

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Do your prices include taxes?

+

Multi-Attach

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Is there an additional fee to enable Multi-Attach?

+

Can I boot an EC2 instance using a Multi-Attach enabled volume?

+

What happens if all of my attached instances do not have the 'deleteOnTermination' flag set?

+

Can my application use Multi-Attach?

+

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