

# AWS Limits

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- [AWS Service Limit](#)

Technologies	Units	Item Size	Timeout (s)	Write	Requests	Retention
API Gateways			30		Per region 10,000/s 5,000 concurrent	
Dynamo DB		400KB				
Kinesis	Shard			1MB/s 1000 Transaction/s		24hrs
Lambda			900			

## NAT Gateway

- Must use EIP
- 5Gbps auto scale up to 100Gbps
- No Security Group

## S3

- Objects can be 5TB in size
- Durability = 99.999999999% (11 9s)
- Availability = 99.99%
- Max buckets (default) = 100
- Virtual URL:
  - <http://bucket.s3.amazonaws.com>
  - <http://bucket.s3-aws-region.amazonaws.com>
- Path URL:
  - <http://s3-aws-region.amazonaws.com/bucket>
  - <Path style URL will be deprecated for all new buckets from Sep 2020>
- Object Key names use UTF-8 encoding and must not be longer than 1024 bytes
- Charges
  - Storage
  - Requests
  - Data Transfer Pricing (only data out. data into AWS is free)
  - Transfer Acceleration
  - Management Functions
    - Monitoring metrics
    - Storage Class Analysis
    - S3 Inventory
  - Object Tagging

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