Wasabi is the best cloud storage solution for Rubrik users

wasabi hot cloud storage **&** **rubrik**

Wasabi is the lowest cost cloud storage solution for Rubrik users

- No egress fees
- No API request charges
- No data retrieval fees

Wasabi performance is better than AWS

- Upload and retrieve your data faster

Baseline storage fees – Each AWS storage class (S3 Standard, Infrequent Access, IA One-Zone) is covered by a different pricing scheme. S3 Standard and Wasabi hot cloud storage are the most similar. They both have four 9's of availability, and eleven 9's of data durability, but AWS S3 is close to 80% more expensive than Wasabi

$23/TB/mo. for AWS
$ 5.^{99}/TB/mo. for Wasabi

As customers move to "colder" AWS tiers, the per month baseline storage is lower, but the tradeoff is availability, data durability, and an increase in additional charges for API request, and data retrieval.

Cost to store 100TB of Rubrik backup data in AWS or Wasabi

rubrik 16MB file size	**amazon S3** Standard	**amazon S3** IA	**amazon S3** IA 1Z	**wasabi** hot cloud storage
Storage ($/GB/month)	$.023	$.0125	$.01	$.0059
Storage ($/TB/month)	$23	$12.^{50}	$10	$5.^{99}
100TB / Year	$27,600	$15,000	$12,000	$7,188
API PUT request charges per 100TB (file size example: 16MB = 6,250,00 PUTs x 12 mo.)	$.005 per 1K PUTs $31.^{25} per 100TB	$.01 per 1K PUTs $62.^{50} per 100TB	$.01 per 1K PUTs $62.^{50} per 100TB	Free
1-year total	$27,631	$15,062	$12,062	$7,188

API request charges matter – AWS charges customers for API requests (PUT/COPY/POST/GET). This means that every GB of data that Rubrik users store, retrieve, move, save, and/or make a copy of incurs additional charges. These costs are impossible to predict. Rubrik uses a 16MB file as its default size. This means that for every TB of data that Rubrik users send to the cloud, 62,500 API PUT requests are initiated. 100TB of backup data is over 6 million objects. Millions of objects generates a lot of API requests, which in turn drive up the cloud costs for AWS users. Wasabi does not charge for API requests.

Wasabi is the best cloud storage solution for Rubrik users

Cost to retrieve 10TB of Rubrik data from AWS or Wasabi

rubrik	amazon S3 Standard	amazon S3 IA	amazon S3 IA 1Z	wasabi hot cloud storage
Data Retrieval	Free	$.01 per GB $100	$.01 per GB $100	**Free**
Data Egress	$.087 per GB $870	$.087 per GB $870	$.087 per GB $870	**Free**
10TB Egress	$874	$970	$970	**$0**

AWS Charges for Data Egress–
If Rubrik customers want to get their data back from AWS, they face additional fees. AWS charges up to 9 cents per GB of data transferred out of their cloud.

AWS Data Retrieval Fees & API GET Charges–
Though the per GB storage price of AWS IA, IA1Z, and Archive storage tiers, are less than S3, retrieving data out from these tiers is more expensive.

Wasabi is faster than AWS–
Wasabi's reads and writes Rubrik data faster than AWS. This means less time is needed for uploads and downloads.

Wasabi vs. AWS S3 performance results
As the performance results chart on the right shows, Wasabi outperforms AWS for 10MB write performance. In fact, for 36 out of 40 test scenarios, Wasabi is faster than AWS S3 across a range of object sizes and compute threads. Access the benchmark test results at this link: Wasabi.com/performance

10MB Write Performance

Legend: ■ Wasabi ■ AWS S3

Threads	Wasabi	AWS S3
1	79.7	27.8
5	378.6	160.4
10	740.8	281.4
20	1280	574.5
30	1830	827.9

Throughput (MB/S) vs Threads