MongoDB Atlas-Creating a Cluster

This lesson introduces MongoDB Atlas and shows how to create a cluster step by step.

WE'LL COVER THE FOLLOWING ^

- MongoDB Atlas: Definition
- Create a Cluster

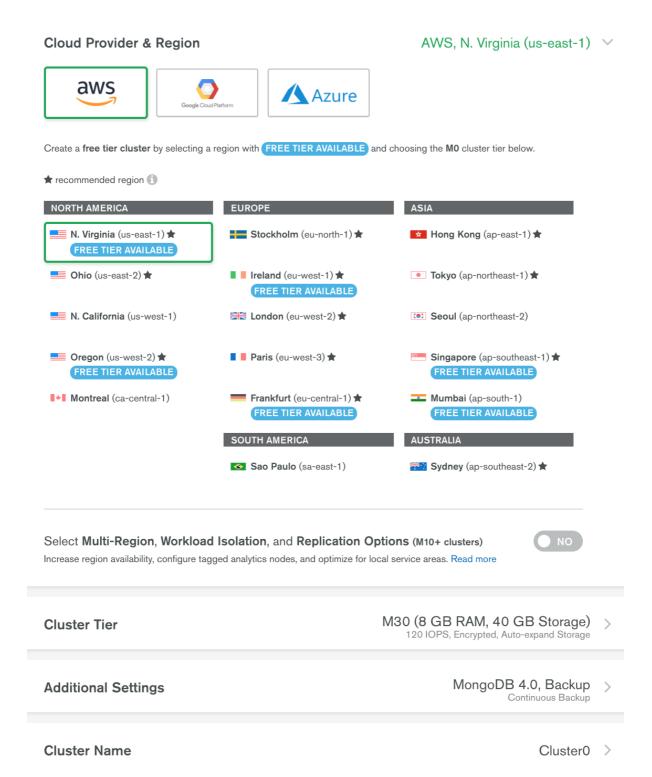
MongoDB Atlas: Definition

MongoDB Atlas is Mongo's response to our advanced world. In its essence, MongoDB Atlas is a **Database as a Service** (**DaaS**), i.e., MongoDB is hosted on the cloud.

The general idea is that the developer will no longer need to take care of database management and have an operating and distributed database cluster. Also, with Mongo AtlasDB, you can use all of the MongoDB features inside of serverless architecture.

Create a Cluster

The first step on your MongoDB Atlas journey would be to create an account on MongoDB cloud service. Once you do that, the cluster creation dialogue will be automatically opened.



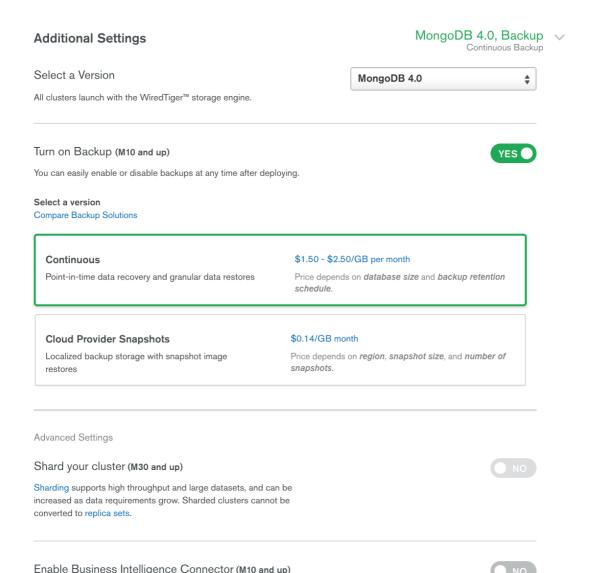
We were very inspired when we created our account, so we named our first cluster FirstCluster. Also, since the guys at MongoDB were cool, and gave us some free coupons, I created the cluster on one of the servers in Frankfurt for 0.09\$ per hour.

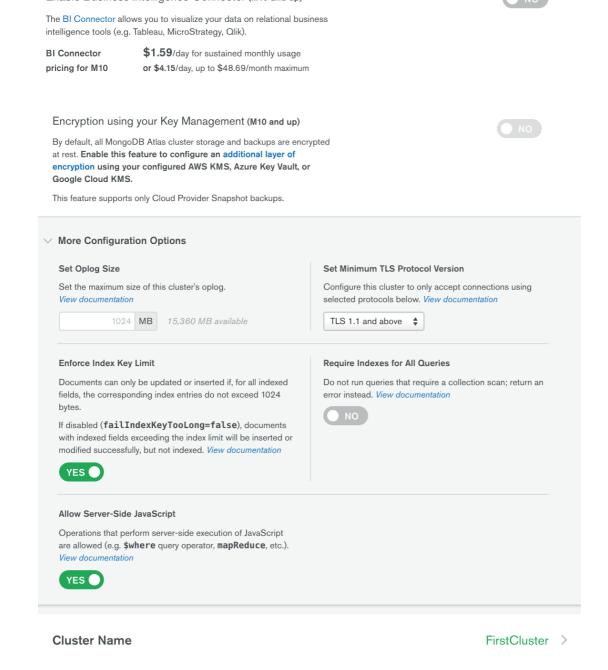
MongoDB allows you to create a Free Tier cluster if you want to test out MongoDB Atlas. You can deploy only one Free Tier cluster per Atlas project.

Dedicated Clusters for development environments and low-traffic applications

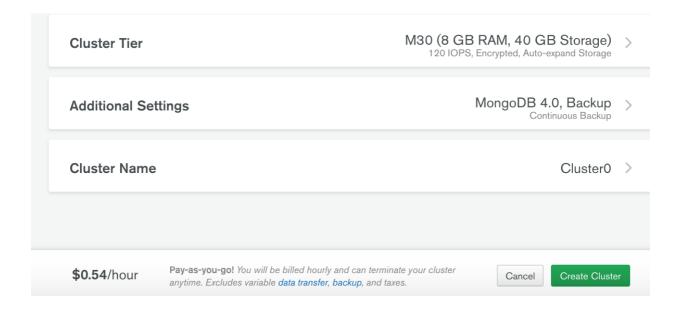
	Tier	RAM	Storage	vCPU	Base Price
•	M10	2 GB	10 GB	1 vCPU	from \$0.08 /hr
	Storage	10 GB is included in the base price 10 GB 20 GB			
	IOPS	100 IOPS			
Addi	tional Info	350 max connections Low to Moderate network performance			
	M20	4 GB	20 GB	2 vCPUs	from \$0.20 /hr

After that, you will be allowed to change additional settings such as selecting the MongoDB version, turning on back up, cluster name, etc. If you need to know more about clusters, nodes, and configuring MongoDB check out one of the previous chapters.



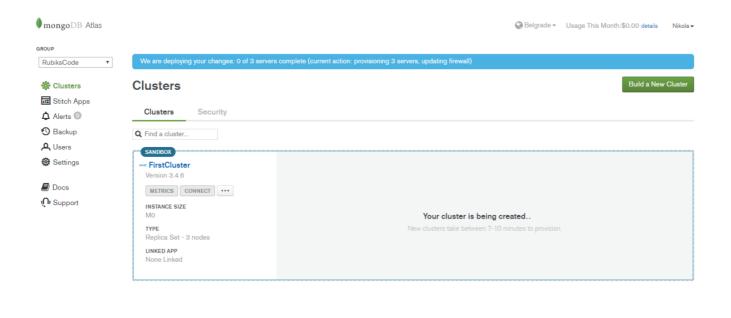


Finally, click the *Create Cluster* option at the end of the page to deploy your first Atlas cluster.



will open up billing information for you to fill out before your cluster is created.

And then voila, the Atlas cluster is created:



Now that your cluster has been created, in the next lesson, you'll learn how to connect to MongoShell using this cluster.