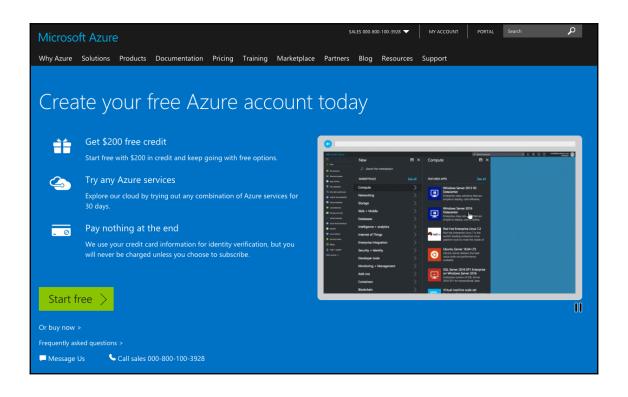
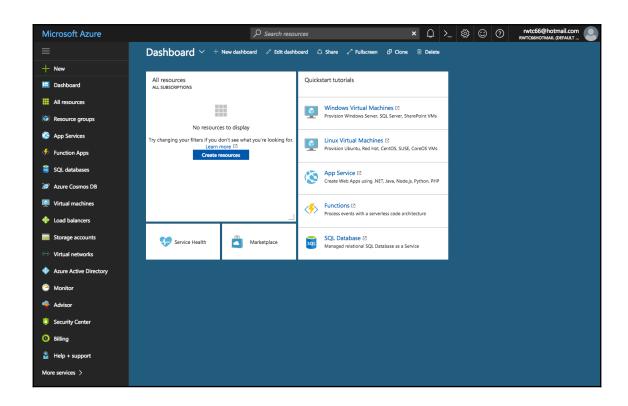
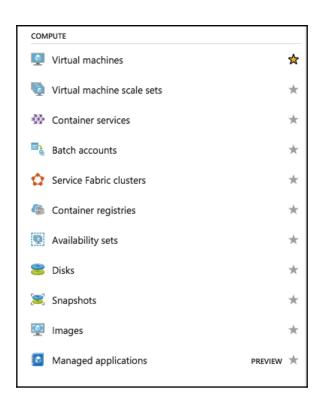
Chapter 1: Introducing Microsoft Azure Cloud and Cosmos DB

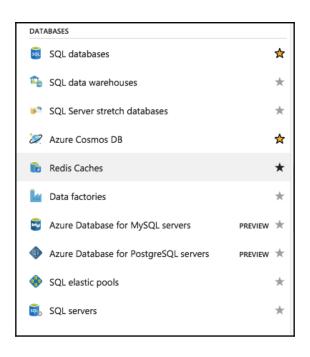


Execution Models	Virt Macl	tual hines	Webs	ites	Cloud Services	Mobile Services
Data Management	SC Data	` -	Tabl	es	Blobs	
Networking	Virt Netv		Trafi Mana			
Business Analytics	SC Repo		HDIns	ight		
Messaging	Que	eues	Servi Bu:			
Caching	Cacl	hing	CDI	N		
ldentity		Window Active D	s Azure Directory			
Media	Med Servi					
Commerce	Marke	tplace	Stor	re e		
Big Compute	HI Sche	PC duler				
SDKs	.NET	Java	PHP	Python	Node.js	Ruby

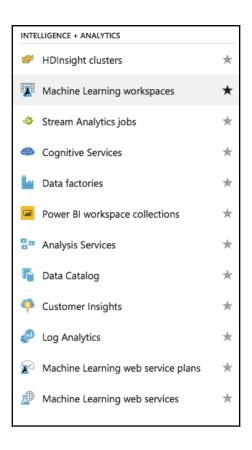


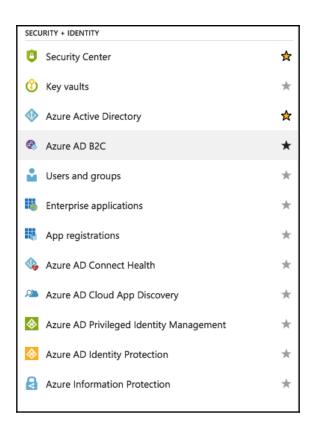


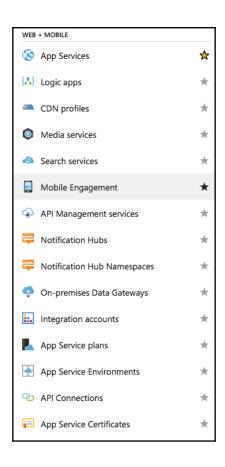


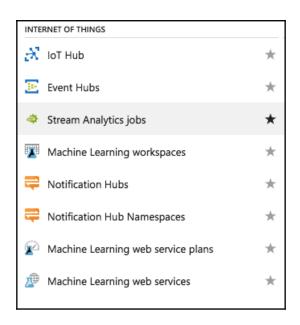


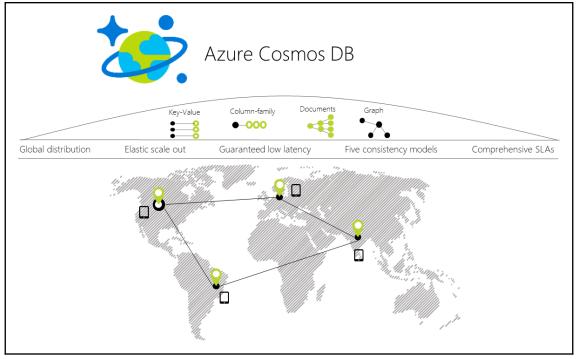
NET	WORKING	
↔ >	Virtual networks	☆
•	Load balancers	☆
4	Application gateways	*
Ω	Virtual network gateways	*
*	Local network gateways	*
	DNS zones	*
4	Route tables	\star
=30.	CDN profiles	*
	Traffic Manager profiles	*
۵	ExpressRoute circuits	*
B	Network Watcher	*
•	Network security groups	*
•	Network security groups (classic)	*
7,	Network interfaces	*
7	Public IP addresses	*
×	Connections	*

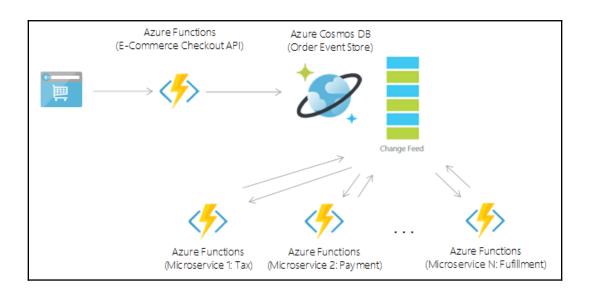




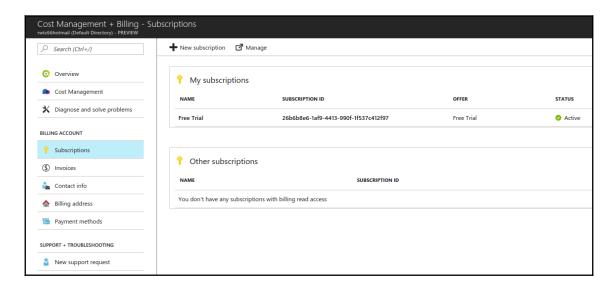


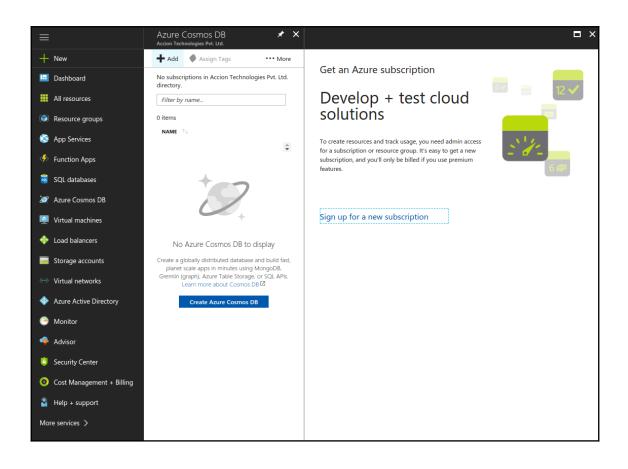


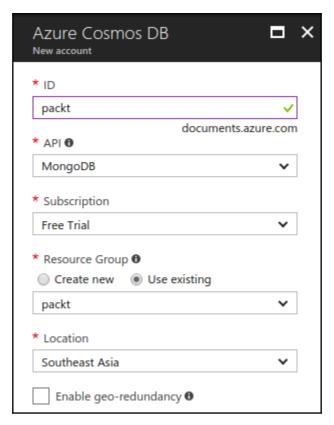


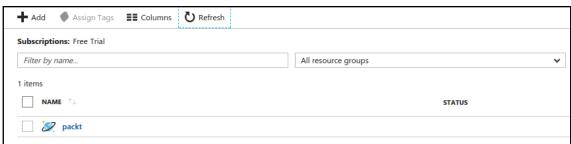


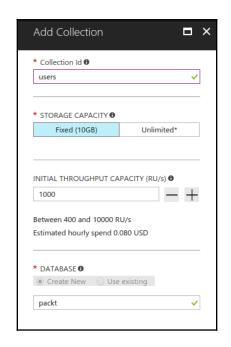
Chapter 2: Cosmos DB Global Turnkey Distribution

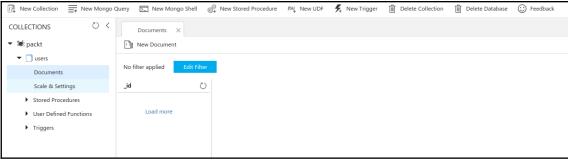


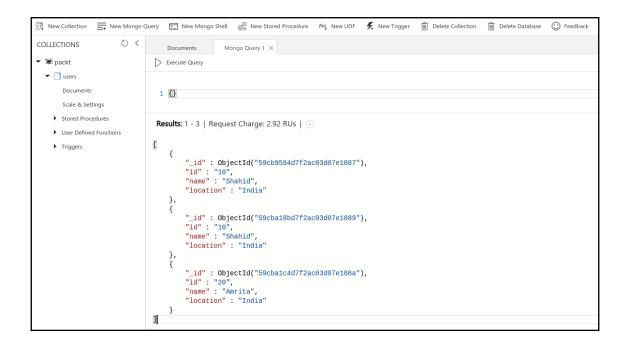


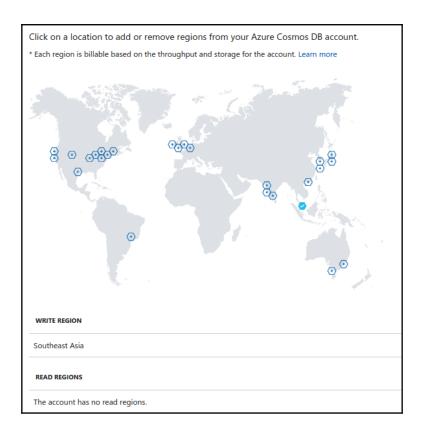






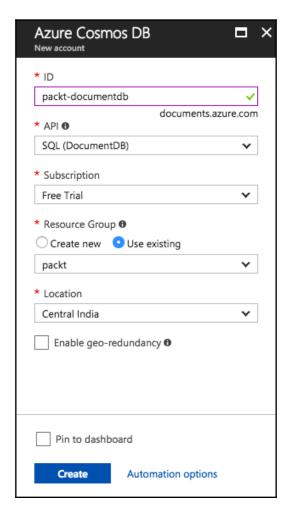


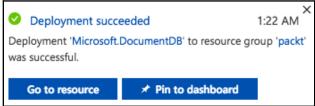






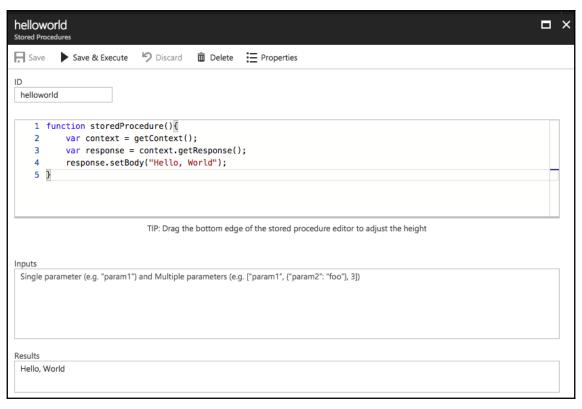
Chapter 3: Cosmos DB Multi-Model Databases



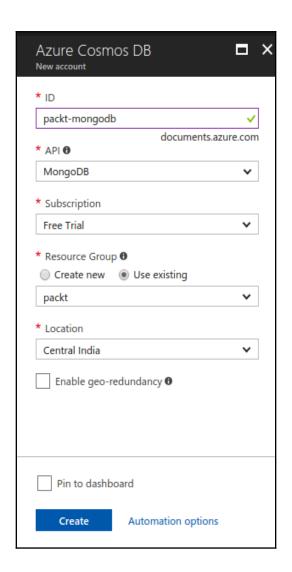


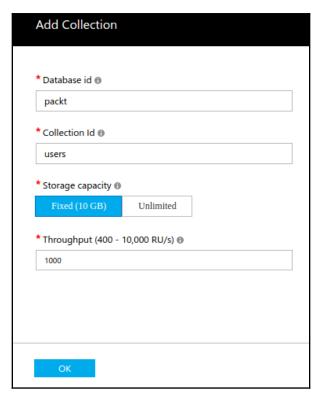
* Database id packt * Collection Id • Tollection Id • Tol
packt
* Collection Id ⊕
users
* Storage capacity Fixed (10 GB) Unlimited
* Throughput (400 - 10,000 RU/s) ⊕
1000
ОК

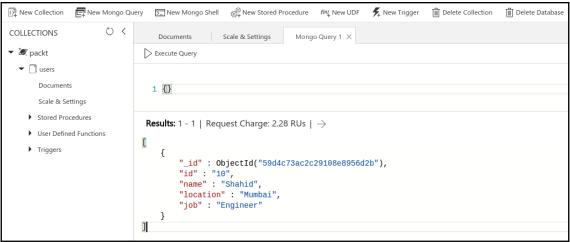
```
\times
    Documents
                       Query 1
Execute Query
 1 SELECT * FROM users
Results: 1 - 2 | Request Charge: 2.57 RUs | \rightarrow
   {
       "id": "10",
        "name": "Shahid",
       "location": "Mumbai",
       "job": "Engineer",
        "_rid": "rU8TAI3u0wABAAAAAAAAA==",
       "_self": "dbs/rU8TAA==/colls/rU8TAI3u0wA=/docs/rU8TAI3u0wABAAAAAAAA==/",
       "_etag": "\"00003d00-0000-0000-0000-59d3ed140000\"",
       "_attachments": "attachments/",
       "_ts": 1507061012
   },
       "id": "20",
        "name": "Amrita",
       "location": "Mumbai",
       "job": "content editor",
        "_rid": "rU8TAI3u0wACAAAAAAAAA==",
        "_self": "dbs/rU8TAA==/colls/rU8TAI3u0wA=/docs/rU8TAI3u0wACAAAAAAAAAA==/",
       "_etag": "\"00003e00-0000-0000-0000-59d3ed700000\"",
       "_attachments": "attachments/",
       "_ts": 1507061104
   }
]
```

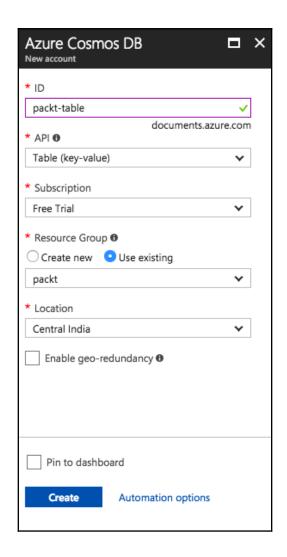


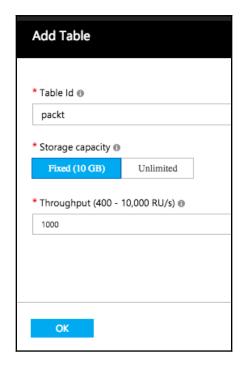


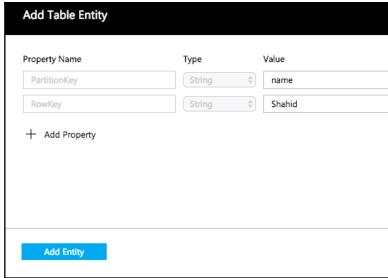


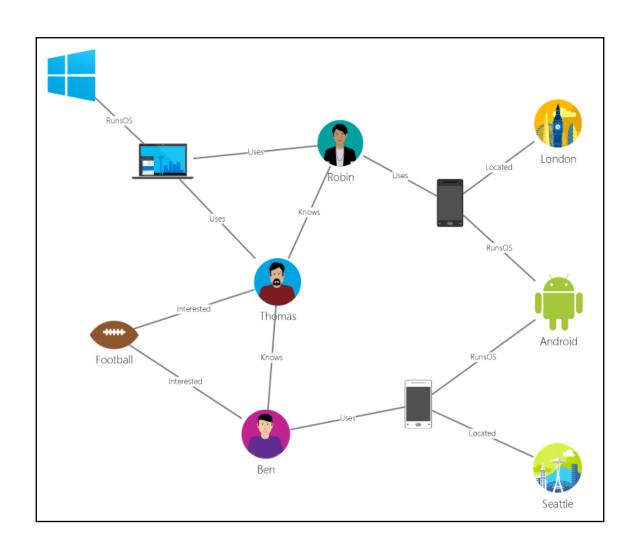


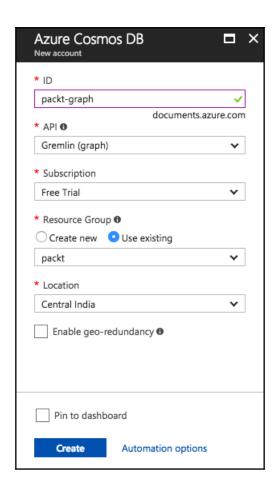


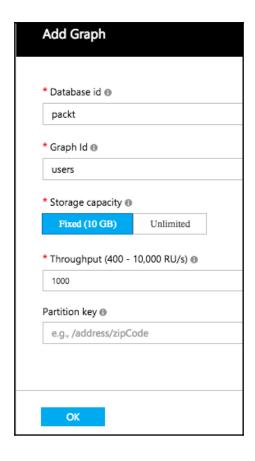


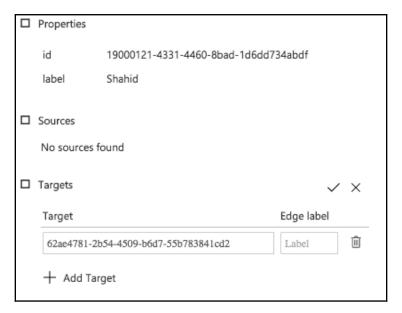






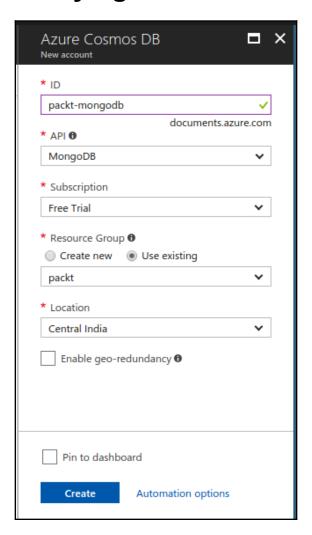




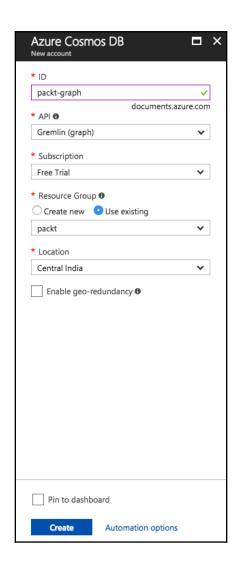


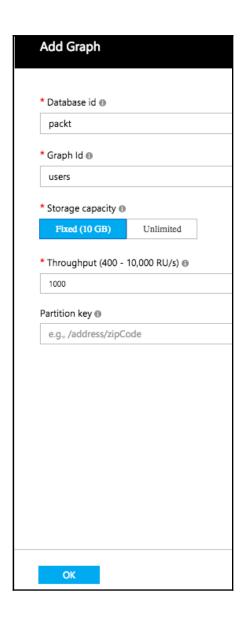


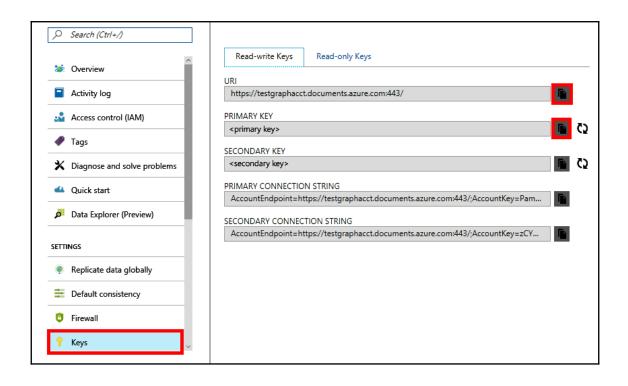
Chapter 4: Querying Cosmos DB

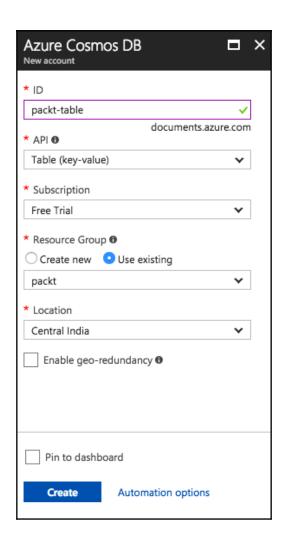


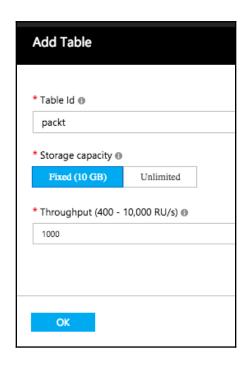
Add Collection		
* Database id ⊕		
packt		
* Collection Id 📵		
users		
* Storage capacity 🛭		
Fixed (10 GB)	Unlimited	
* Throughput (400 - 1	0,000 RU/s) 📵	
1000		
OK		

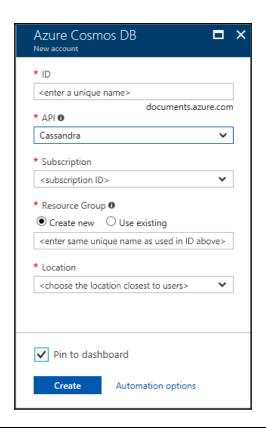


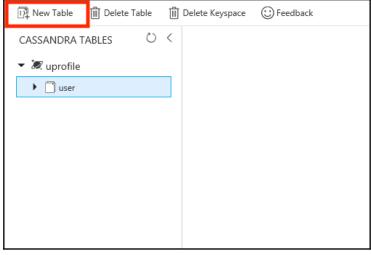




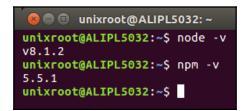


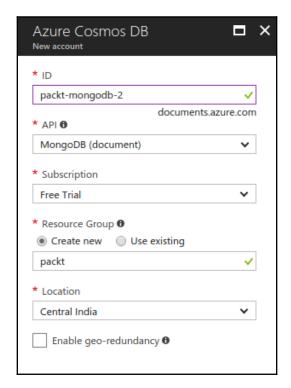


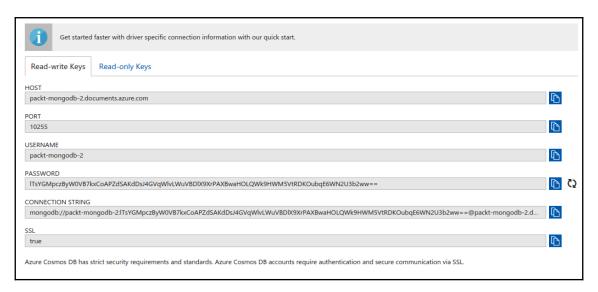




Chapter 5: Integrating Cosmos DB with Node.js



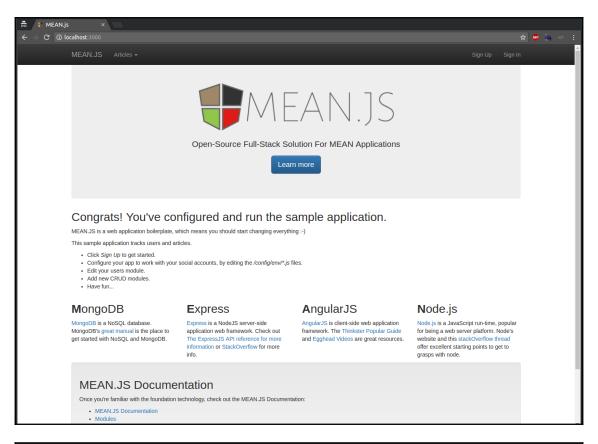


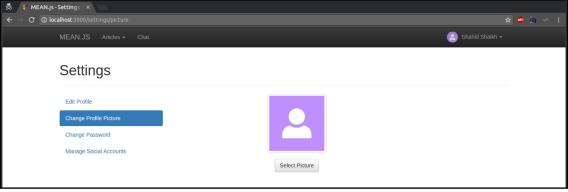


```
unixroot@ALIPL5032:~/Desktop/mean$ npm start

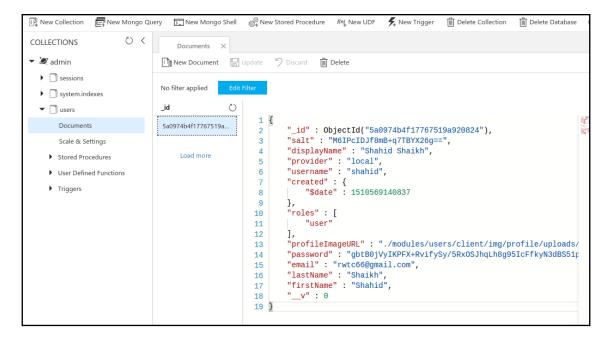
> meanjs@0.5.0 start /home/unixroot/Desktop/mean
> gulp

[16:29:37] Using gulpfile ~/Desktop/mean/gulpfile.js
[16:29:37] Starting 'default'...
[16:29:37] Starting 'env:dev'...
[16:29:37] Finished 'env:dev' after 158 µs
[16:29:37] Starting 'copyLocalEnvConfig'...
[16:29:37] Finished 'makeUploadsDir'...
[16:29:37] Finished 'copyLocalEnvConfig' after 27 ms
[16:29:37] Starting 'lint'...
[16:29:37] Starting 'lint'...
[16:29:37] Starting 'less'...
[16:29:39] Finished 'less' after 1.99 s
[16:29:39] Starting 'sass'...
[16:29:40] Finished 'sass' after 601 ms
[16:29:40] Starting 'csslint'...
[16:29:43] Finished 'csslint'...
[16:29:43] Finished 'csslint' after 3.18 s
```

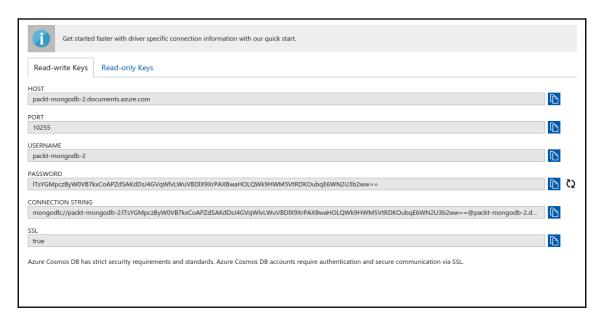




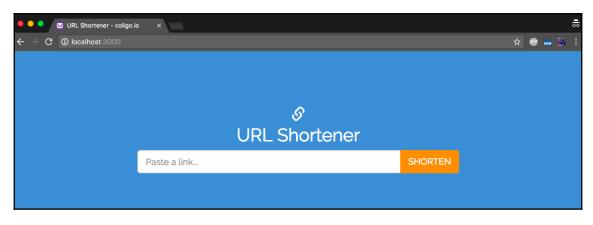
DATABASE	THROUGHPUT (RU/S)
admin	1000
ddiiii	1000
admin	400
admin	1000



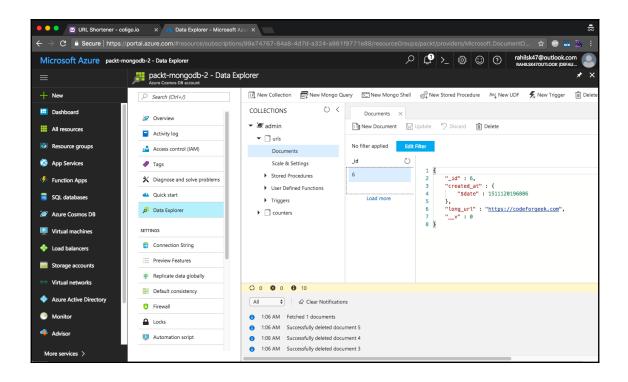
Chapter 6: Building a High-Performance Link Shortening and Tracking System Using Cosmos DB



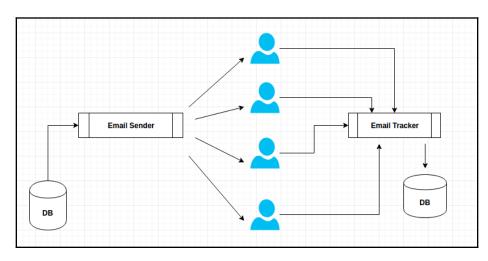


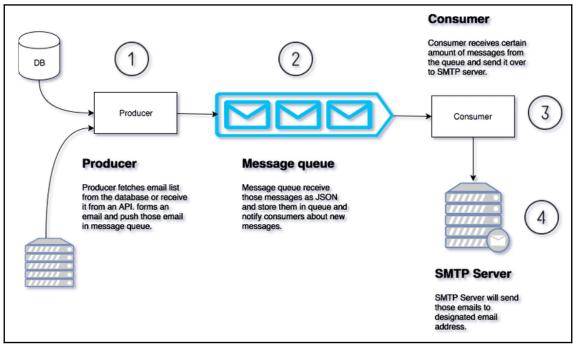


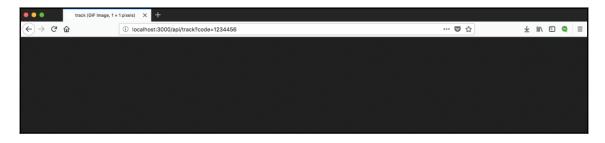


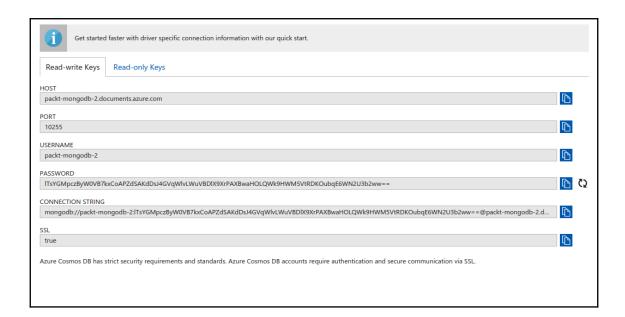


Chapter 7: Building a Highly Available, Real-Time Email Tracking System using Cosmos

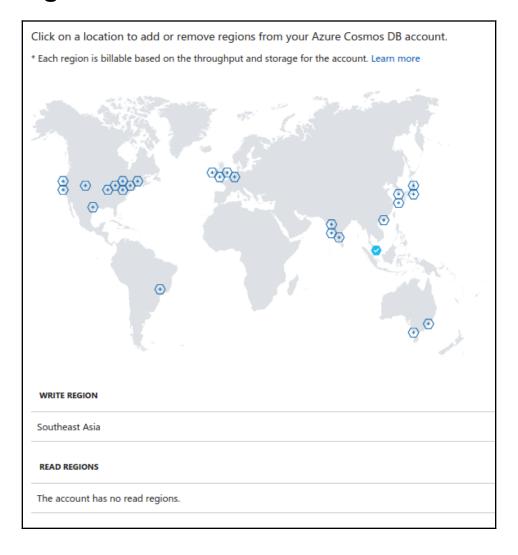








Chapter 8: Cosmos DB Deployment and Management





No Virtual machines to display

Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.

Create Virtual machines

