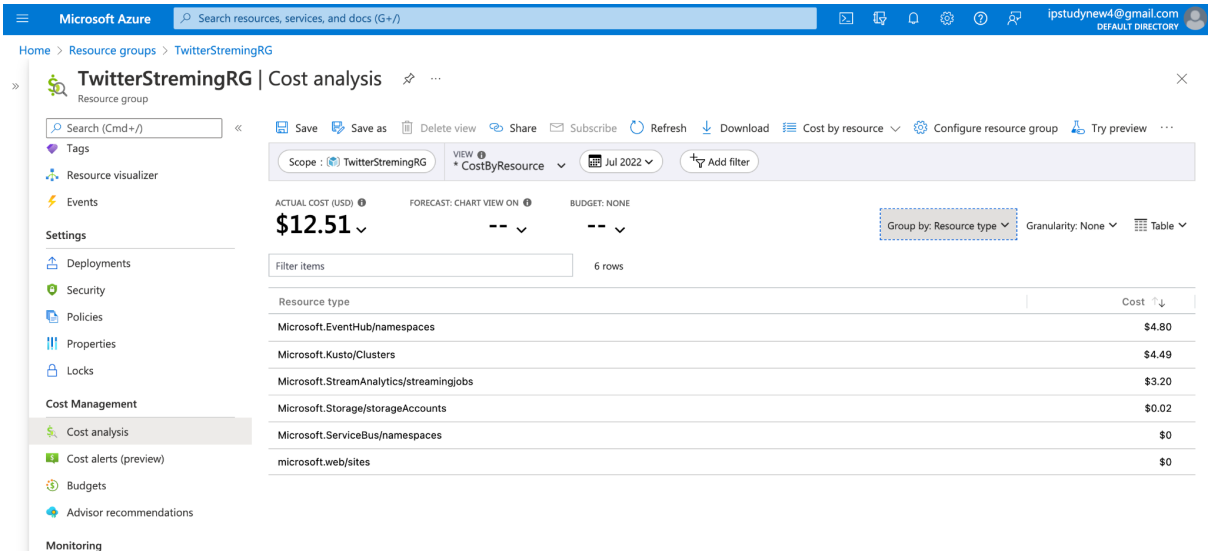
Pricing Calculator

Our system works periodically during the day. Based on a typical daily usage:

- EventHub: 678 incoming messages, 678 outgoing messages ((678 + 678) * 31 = 42036 per month)
- Stream Analytics Job: 678 input events, 746 output events ((678 + 746) * 31 = 44144 per month)
- Storage Account: 2kb per operation, 2.68k operations, 5.41 mb used (5.41mb * 31 = 167.71mb per month)
- Service Bus Topic: 68 incoming messages, 64 outgoing messages ((68 + 64) * 31 = 4092 per month)
- Data Explorer Cluster: 2 concurrent queries (2 * 31 = 61 per month)

Cost analysis:



Microsoft Azure Estimate									
Your Estimate			Initial		Initial x 10		Initial x 100		
Service category	Service type	Region	Description	Estimated monthly cost	Description	Estimated monthly cost	Description	Estimated monthly cost	
Analytics	Azure Stream Analytics	West US	Standard Type, 1 Streaming Unit(s) x 1 Month; Stream Analytics on 1 Device(s) with IoT Edge	$ 81,30	Standard Type, 10 Streaming Unit(s) x 1 Month; Stream Analytics on 10 Device(s) with IoT	$ 813,00	Standard Type, 100 Streaming Unit(s) x 1 Month; Stream Analytics on 100	$ 8 130,00	
Storage	Storage Accounts	East US	Data Lake Storage Gen2, Standard, LRS Redundancy, Hot Access Tier, Flat Namespace File Structure, 1 GB Capacity - Pay as you go, Write operations: 2 MB x 1,000 operations, Read operations: 2 MB x 1,000 operations, 0 Iterative read operations, 0 Iterative write	$ 54,02	Data Lake Storage Gen2, Standard, LRS Redundancy, Hot Access Tier, Flat Namespace File Structure, 10 GB Capacity - Pay as you go, Write operations: 2 MB x 1,000 operations, Read operations: 2 MB x 1,000 operations, 0 Iterative read operations, 0 Iterative write	$ 54,21	Data Lake Storage Gen2, Standard, LRS Redundancy, Hot Access Tier, Flat Namespace File Structure, 100 GB Capacity - Pay as you go, Write operations: 2 MB x 10,000 operations, Read operations: 2 MB x 9,998	$ 542,07	
Integration	Service Bus	West US	Basic tier: 0 million messaging operations/mo	$ 0,00	Basic tier: 10 million messaging operations/mo	$ 0,50	Basic tier: 100 million messaging	$ 5,00	
Analytics	Event Hubs	West US	Basic tier: 1 Throughput unit(s) x 31 Days, 0 million Ingress events	$ 11,16	Basic tier: 1 Throughput unit(s) x 31 Days, 10 million Ingress events	$ 11,44	Basic tier: 1 Throughput unit(s) x 31 Days, 100 million Ingress events	$ 13,96	
Analytics	Azure Data Explorer	West US	Production Environment, 1 GB of data collected per day, 7 days of Hot Cache, 30 days of total retention, 7 times estimated data compression, Auto Selected Engine Instances enabled, 1 Month of 2 x E2AV4 Engine Instances, 1 Month of Data Management Instances, 1 Month of	$ 628,10	Production Environment, 10 GB of data collected per day, 7 days of Hot Cache, 30 days of total retention, 7 times estimated data compression, Auto Selected Engine Instances enabled, 1 Month of 2 x E2AV4 Engine Instances, 1 Month of Data Management	$ 630,84	Production Environment, 100 GB of data collected per day, 7 days of Hot Cache, 30 days of total retention, 7 times estimated data compression, Auto Selected Engine Instances enabled, 1 Month of 2 x D11V2 Engine Instances, 1	$ 723,86	
Support		Support	0	$ 0,00	0	$ 0,00	0	$ 0,00	
		Licensing Program	Microsoft Customer Agreement (MCA)		Microsoft Customer Agreement (MCA)		Microsoft Customer Agreement (MCA)		
		Billing Account							
		Billing Profile							
		Total	774,5844157	$ 0,00	1509,984157	$ 0,00	9414,893571	$ 0,00	

With the current load it is enough to consider a minimum usage plan for all the resources. Analyzing the price change under the load exceeding the minimum in 10 and 100 times respectively, we can conclude that the price of Azure Stream Analytics and Storage Accounts changes proportionally to the load, and the cost of the other resources changes little in comparison to the minimum. So to reduce the project bill in the case of a significant load growth, it makes sense to consider changing a 'pay as you go plan' to a 'yearly subscription' for Storage Accounts and capturing a bigger than expected load amount in advance for the rest of resources.