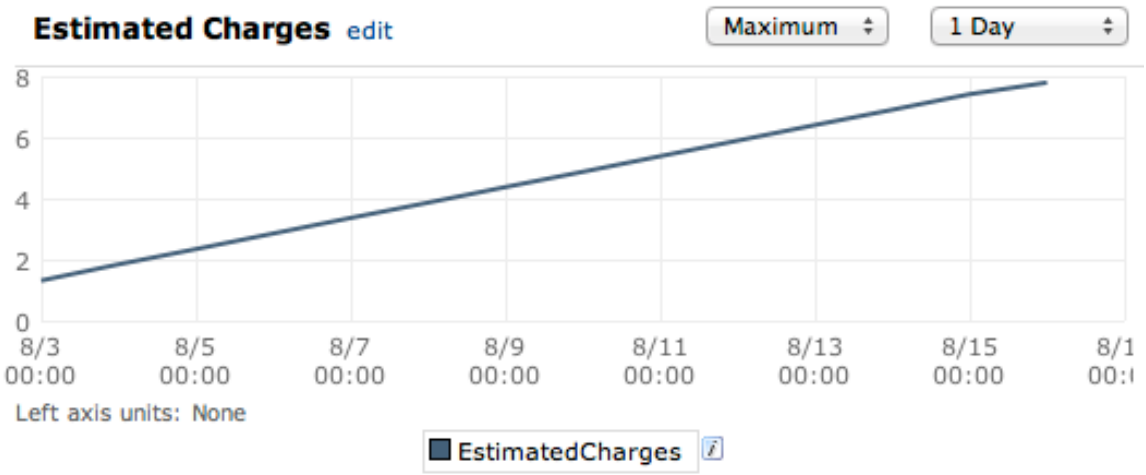
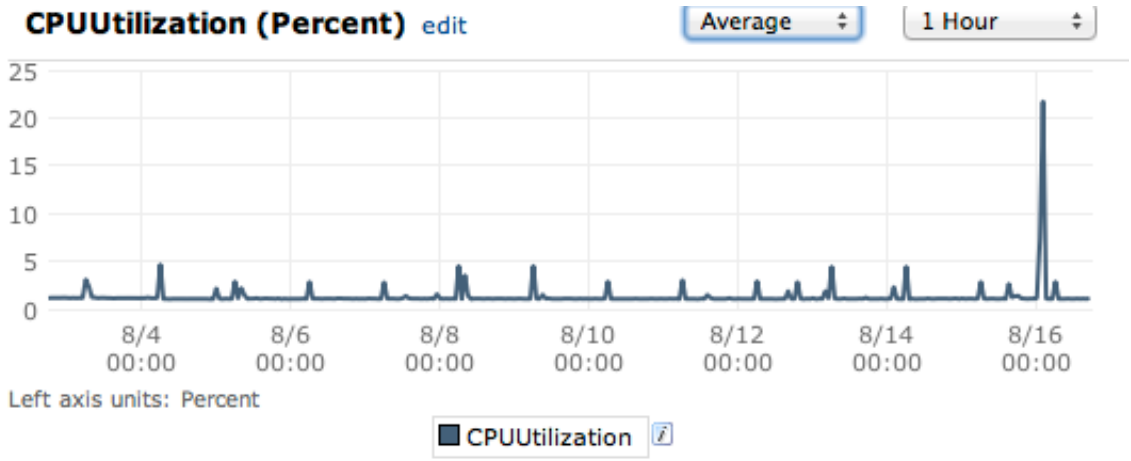
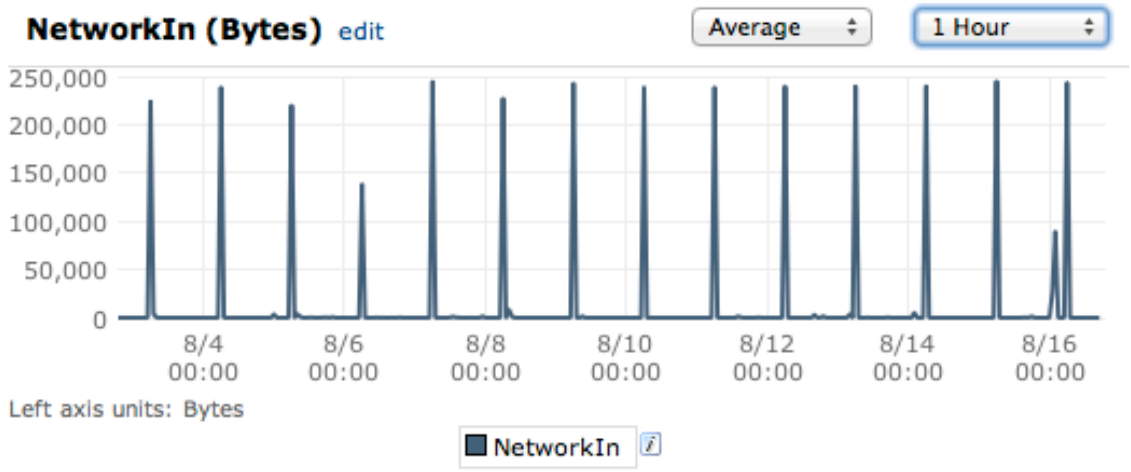
Costs and Experiences

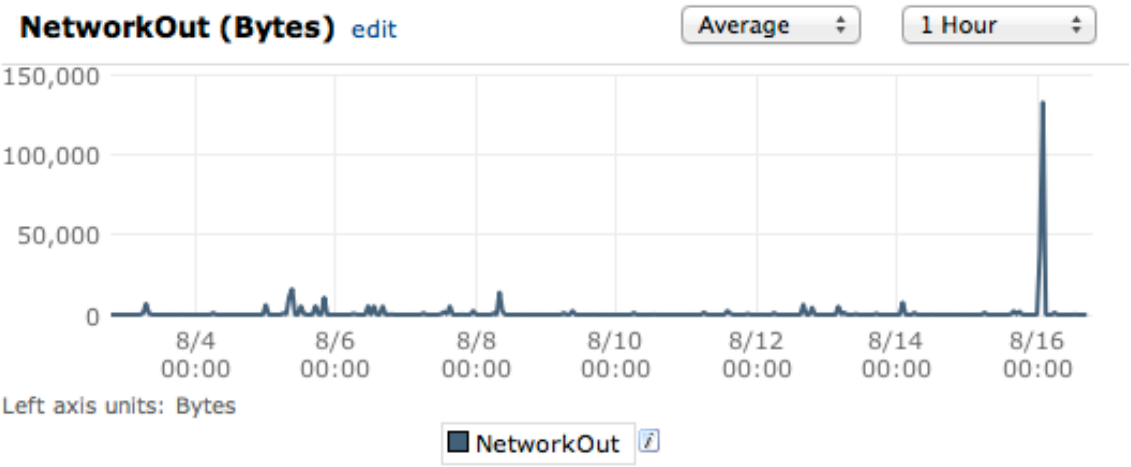
Our costs for the two-week period 8/3 – 8/16 are shown below. The AWS instance was running continuously during this period with roughly 20 ESIP members connecting and using our service. During this period of community usage, our expenses were roughly $20 per month. We experiences significantly lower costs during development months when we could turn the instance off when not in use.



The next set of figures illustrate the average CPU usage and network traffic of our instance over the same 8/3 – 8/16 period. Our experience is that the AWS micro instance satisfied our requirements for deploying services to ESIP members. As mentioned in our configuration document, we did run into memory and storage issues when developing our applications; however, once running, the micro instance provided sufficient resources to use the services. Note that our user base, roughly 15 ESIP members, is relatively small and we do not have usage data for more substantial user bases.


CPUUtilization (Percent) edit
Average
1 Hour
25
20
15
10
5
0
8/4 00:00
8/6 00:00
8/8 00:00
8/10 00:00
8/12 00:00
8/14 00:00
8/16 00:00
Left axis units: Percent
CPUUtilization


NetworkIn (Bytes) edit
Average
1 Hour
250,000
200,000
150,000
100,000
50,000
0
8/4 00:00
8/6 00:00
8/8 00:00
8/10 00:00
8/12 00:00
8/14 00:00
8/16 00:00
Left axis units: Bytes
NetworkIn


NetworkOut (Bytes) edit
Average
1 Hour
150,000
100,000
50,000
0
8/4 00:00
8/6 00:00
8/8 00:00
8/10 00:00
8/12 00:00
8/14 00:00
8/16 00:00
Left axis units: Bytes
NetworkOut