Nimble Capacity on Demand (Hosted) 40TB Minimum			2014 40TB	2015 50TB
Level	Gold (City Hall)	Silver (PD)		
Cost per TB/month	$159.73	$136.18		
IOPS	$2,000.00	$1,000.00		
Cost per Gig	$0.16	$0.14		
OpEX Cost	$6,389.00			$7,986.25
		$5,447.00		$6,809.00
Total Yearly Costs				$177,543.00
Total Projected 5 Year Costs				

MNJ - Seagate Capacity on Demand (Hosted) 40TB Minimum		2014 40TB	2015 50TB
Cost per TB/month	$20.48		
IOPS	?????		
Cost per Gig	$0.02		
OpEX Cost	$819.20	$819.20	$1,024.00
Install Cost		$3,700.00	
Equipment Costs	$12,000.00		$12,000.00
Data Retreival Costs	$0.07	$0.00	$0.00
Total Yearly Costs		$25,530.40	$24,288.00
Total Projected 5 Year Costs			

Windstream - Seagate Capacity on Demand (Hosted) 40TB Minimum		2014 40TB	2015 50TB
Cost per TB/month	$51.70		
IOPS	?????		
Cost per Gig	$0.05		
OpEX Cost	$2,068.00	$2,068.00	$2,585.00
Install Cost		$775.00	
Equipment Charges	$600.00	$600.00	$600.00
Internet Transport	$8,000.00		$8,000.00
Total Yearly Costs		$32,791.00	$134,220.00
Total Projected 5 Year Costs			

Convergent Solutions (Hosted) 40TB Minimum		2014 40TB	2015 50TB
Cost per TB/month	$30.00		
IOPS	?????		
Cost per Gig	$0.03		
OpEX Cost	$1,200.00	$1,200.00	$1,500.00
Equipment Costs	$200.00	$2,400.00	$2,400.00
Data Retreival Costs	$0.00	$0.00	$0.00
Total Yearly Costs		$16,800.00	$20,400.00
Total Projected 5 Year Costs			

Amazon Web Services (Hosted) 40TB Minimum	2014 40TB	2015 50TB

Cost per TB/month	$30.00			
IOPS	?????			
Cost per Gig	$0.03			
OpEX Cost	$1,200.00		$1,200.00	$1,500.00
Equipment Costs	$125.00		$1,500.00	$1,500.00
Data Retreival Costs	$0.08		$3,840.00	$3,840.00
Total Yearly Costs			$19,740.00	$23,340.00

Total Projected 5 Year Costs

Premise Based Nimble Solution (Current)			$2,014.00	$2,015.00
CS460 (File Server)	22 TB Usable	$75,000.00		
Maintenance		$7,600.00	$7,600.00	$8,360.00
Expansion Shelf	30 TB Usable	$60,000.00		
Maintenance		$6,000.00		
Total Available	22 TB Usable		22 TB	22 TB
Current Usage	14TB Usable		14 TB	16 TB
CS220 (City Hall)	8 TB Usable	$37,000.00		
Maintenance		$3,700.00	$3,700.00	$4,070.00
Expansion Shelf	30 TB Usable	$40,000.00		
Maintenance		$2,800.00	$2,800.00	$3,080.00
Expansion Shelf	30 TB Usable	$40,000.00		
Maintenance		$2,800.00	$2,800.00	$3,080.00
Expansion Shelf	30 TB Usable	$40,000.00		
Maintenance		$2,800.00		
Total Available	68 TB		68 TB	68 TB
Current Usage	41 TB		41 TB	51 TB
CS220 (Police)	8 TB Usable	$37,000.00		
Maintenance		$3,700.00	$3,700.00	$4,070.00
Expansion Shelf	30 TB Usable	$40,000.00		
Maintenance		$2,800.00	$2,800.00	$3,080.00
Expansion Shelf	30 TB Usable	$40,000.00		
Maintenance		$2,800.00	$2,800.00	$3,080.00
Expansion Shelf	30 TB Usable	$40,000.00		
Maintenance		$2,800.00		
Total Available	68 TB		68 TB	68 TB
Current Usage	41 TB		41 TB	51 TB
Yearly Maintenance			$26,200.00	$28,820.00

One Time Costs

Total Yearly Costs on Premise	$26,200.00	$28,820.00
Total Projected 5 Year Costs		

Discussed with TW Telecom and they do not offer hosted storage solutions.

*** - PD received 30,355 recorded incidents in 2014. Per Frank DeFranco in the first 30 days each incident is
periodically. So we took 30,555 and divided that by 12 to get 12647.92 incidents per month. Per Frank each
roughly at 4TB of data retreival per month. 5% (About 2TB of 40TB) is included in the price. Over and above

*** - PD looked at 92 OptiCOP files that equal 72 hours of video in 2014. In 2013 they looked at 127 files for
year. Our current video utilization is 100GB per day or 4.2GB per hour. Fc

2016 60TB	2017 70TB	2018 80TB	2019 90TB	2020 100TB
$9,583.50	$11,180.75	$12,778.00	$14,375.25	$15,972.50
$8,170.80	$9,532.60	$10,894.40	$12,256.20	$13,618.00
$213,051.60	$248,560.20	$284,068.80	$319,577.40	$355,086.00
				$1,597,887.00

2016 60TB	2017 70TB	2018 80TB	2019 90TB	2020 100TB
$1,228.80	$1,433.60	$1,638.40	$1,843.20	$2,048.00
				$12,000.00
$0.00	$0.00	$0.00	$0.00	$0.00
$14,745.60	$17,203.20	$19,660.80	$22,118.40	$36,576.00
				$160,122.40

2016 60TB	2017 70TB	2018 80TB	2019 90TB	2020 100TB
$3,102.00	$3,619.00	$4,136.00	$4,653.00	$5,170.00
$600.00	$600.00	$600.00	$600.00	$600.00
$8,000.00	$8,000.00	$8,000.00	$8,400.00	$8,400.00
$140,424.00	$146,628.00	$152,832.00	$163,836.00	$170,040.00
				$907,980.00

2016 60TB	2017 70TB	2018 80TB	2019 90TB	2020 100TB
$1,800.00	$2,100.00	$2,400.00	$2,700.00	$3,000.00
$2,400.00	$2,400.00	$2,400.00	$2,400.00	$2,400.00
$0.00	$0.00	$0.00	$0.00	$0.00
$24,000.00	$27,600.00	$31,200.00	$34,800.00	$38,400.00
				$176,400.00

2016 60TB	2017 70TB	2018 80TB	2019 90TB	2020 100TB

Col 1	Col 2	Col 3	Col 4	Col 5
$1,800.00	$2,100.00	$2,400.00	$2,700.00	$3,000.00
$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,500.00
$3,840.00	$3,840.00	$3,840.00	$3,840.00	$3,840.00
$26,940.00	$30,540.00	$34,140.00	$37,740.00	$41,340.00
				$194,040.00
$2,016.00	$2,017.00	$2,018.00	$2,019.00	$2,020.00
			$80,000.00	
$9,196.00	$10,115.60	$11,127.16	$8,000.00	$8,800.00
		$60,000.00		
		$6,000.00	$6,600.00	$7,260.00
22 TB	22 TB	52 TB	52 TB	52 TB
18 TB	20 TB	22 TB	24 TB	26 TB
			$80,000.00	
$4,477.00	$4,924.70	$5,417.17	$8,000.00	$8,800.00
$3,388.00	$3,726.80	$4,099.48	$4,509.43	$4,960.37
$3,388.00	$3,726.80	$4,099.48	$4,509.43	$4,960.37
	$40,000.00			
	$2,800.00	$3,080.00	$3,388.00	$3,726.80
68 TB	98 TB	98 TB	98 TB	98 TB
61 TB	71 TB	81 TB	91 TB	
			$80,000.00	
$4,477.00	$4,924.70	$5,417.17	$8,000.00	$8,800.00
$3,388.00	$3,726.80	$4,099.48	$4,509.43	$4,960.37
$3,388.00	$3,726.80	$4,099.48	$4,509.43	$4,960.37
	$40,000.00			
	$2,800.00	$3,080.00	$3,388.00	$3,726.80
68 TB	98 TB	98 TB	98 TB	98 TB
61 TB	71 TB	81 TB	91 TB	
$31,702.00	$40,472.20	$50,519.42	$55,413.71	$60,955.08
	$80,000.00	$60,000.00	$240,000.00	

$31,702.00	$120,472.20	$110,519.42	$295,413.71	$60,955.08

$647,882.42

viewed around 5 times. After 30 days recorded incidents may be viewed
incident is approx 301MB. If we multiply that by the number of incidents we are
the price per retreival is $0.07/GB. If the amount of incidents does not change in

87 hours of video. I decided to split the difference and go with 80 hours of video per
or data retreival we are looking at 336GB per year.

All OpEx costs should be doubled to accommodate the replication of data.

Server and storage to store a minimum of 30 days locally. Replace at 5 years
This is the cost to retreive our data. The cost is per GB. 1st 5% of total data is included. After that is $0.07/g

All OpEx costs should be doubled to accommodate the replication of data.

One Time fee minus discounts

This is a per month agreement. With a 5% increase after three years.

All OpEx costs should be doubled to accommodate the replication of data.

On demand always available

Monthly Fee for Managed Firewall Service
This is the cost to retreive our data. The cost is per GB.

On demand always available

Monthly Fee for Storage Gateway
This is the cost to retreive our data (4TB per month currently). The cost is per GB.

Equipment is End of Life in 2019 / New Equipment Purchased

Expansion shelf is needed to keep up with the growing need for storage.

Equipment is End of Life in 2019 / New Equipment Purchased

Expansion shelf is needed to keep up with the growing need for storage.

Equipment is End of Life in 2019 / New Equipment Purchased

Expansion shelf is needed to keep up with the growing need for storage.

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