

Technology

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COMPANY UPDATE / ESTIMATE CHANGE TARGET CHANGE

| Ney Mellics | Key | Metrics |
|-------------|-----|---------|
|-------------|-----|---------|

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|------------------------------------|---------|--------------|
| VMW - NYSE - as of 8/14/17 | | \$98.02 |
| Price Target | | \$124.00 |
| 52-Week Range | \$70.32 | - \$ 98.20 |
| Diluted Shares Outstanding (000's) | | 408,424 |
| Market Cap. (\$000's) | | \$40,033,695 |
| 1-Mo. Average Daily Volume (000's) | | 1,323 |
| Institutional Ownership (%) | | 23 |
| Debt/Total Capital (net) % Q1'18 | | 0 |
| ROE % | | 15 |
| Book Value / Share | | \$19.75 |
| Price / Book Value | | 5.0x |
| Indicated Dividend / Yield | \$0.00 | 0.0% |
| Current EBITDA Margin % | | 25.70 |
| | | |

EPS FY 2/2

| | | Prior | Current | | rior | Current |
|------|--------|--------|---------|------|------|---------|
| | 2016A | 2018E | 2018E* | 2 | 019E | 2019E |
| 1Q | \$0.86 | | \$0.99 | 4 \$ | 1.06 | \$1.11 |
| 2Q | \$0.97 | \$1.12 | \$1.17 | \$ | 1.25 | \$1.32 |
| 3Q | \$1.14 | \$1.24 | \$1.33 | \$ | 1.36 | \$1.46 |
| 4Q | \$1.43 | \$1.55 | \$1.61 | \$ | 1.69 | \$1.76 |
| Year | \$4.40 | \$4.91 | \$5.10 | \$ | 5.35 | \$5.65 |
| P/E | 22.3x | | 19.2x | | | 17.3x |

*Note fiscal year '17 changes to Dell FYE '18

Revenue (\$mil)

| | | Prior | Current | Prior | Current |
|------|---------|---------|-----------|---------|---------|
| | 2016A | 2018E | 2018E* | 2019E | 2019E |
| 1Q | \$1,589 | | \$1,736 A | \$1,833 | \$1,858 |
| 2Q | \$1,693 | \$1,805 | \$1,899 | \$1,970 | \$2,028 |
| 3Q | \$1,778 | \$1,899 | \$1,980 | \$2,021 | \$2,108 |
| 4Q | \$2,032 | \$2,153 | \$2,209 | \$2,285 | \$2,349 |
| Year | \$7,092 | \$7,576 | \$7,824 | \$8,111 | \$8,342 |

Company Description: Palo Alto, CA based-VMware Inc. is the global leader in virtualization and cloud infrastructure solutions. VMware products include three key growth areas including, (SDDC) Software-Defined-Data-Center, (EUC) End-user Computing, & the Hybrid Cloud. License revenues constitute 36% of total revenue, while service revenue which includes software maintenance and professional services revenue represent 64% of total revenue.

VMware Inc.

VMW - NYSE - Long-term Buy - 3

Positive Preliminary Q2 Results, Improved Full Year Guidance, Expanded Buyback; Raising PT to \$124

- **Preliminary** Results. Yesterday, **VMware** preannounced positive preliminary results on broad based product strength. VMware expects Q2 revenue of \$1.894 billion to \$1.906 billion, compared to our prior view of \$1.805 billion. Operating margin was guided 30 bps above our prior Q2 view of 30.5% to a midpoint of 30.8%. Q2 non GAAP EPS is expected between \$1.15 and \$1.19, compared to our prior \$1.12 view. VMware now expects FY'18 EPS of \$5.08 on revenue of \$7.830 billion, above our prior view of \$4.91 on revenue of \$7.576 billion. FY'18 operating margin is expected 50 bps above our prior view on the better than expected top line growth. In conjunction with the positive update, the company announced it will issue an unspecified amount of senior notes. The proceeds of which will be used to repurchase an additional \$1 billion in VMW common shares. This is in addition to the \$900 million remaining on the current buyback. remaining proceeds will be used to pay off \$1.23 billion in notes due to parent company DELL EMC.
- Valuation & Opinion. We increase our fiscal year end 2019 price target to \$124 from \$107. We maintain our Long-term Buy rating. The 16% increase to our price target is the result of multiplying our improved FYE'19 EPS estimate of \$5.65 by 22x, the multiple is above our prior 20x forward P/E multiple and the current 20x forward multiple. We incorporate the higher multiple into our share price calculation due to better than expected fiscal 1H'18 results and an improved fiscal 2H'18 outlook.

Note Important Disclosures on Pages 5-6 Note Analyst Certification on Page 5

VALUATION

We increase our price target to \$124 from \$107. Our updated price target offers investors a potential 30% return as of today's intraday price of \$95.50 through our investment timeframe of FYE'19 (2/2/2019). We calculate our price target by multiplying our FYE'19 EPS estimate of \$5.65, an increase from our prior estimate of \$5.35, by 22x. Our new 22x multiple is above our prior 20x forward P/E multiple. We apply an expanded multiple as we believe investors could be willing to pay a higher premium for mid-teen earnings growth and significantly improved cash flow generation. We believe VMware's new partnerships with public cloud providers, along with continued strength from new products NSX and vSAN, as well as cross-cloud services is boosting growth offsetting VMware's mature standalone vSphere business. As depicted in the chart below, a 22x multiple would align VMW's multiple with the overall IT sector which is growing substantially slower than VMware.

VMware Historical Consensus Forward P/E Multiple to Sector Average



Source: Thomson Reuters

SUITABILITY

We assign shares of VMW a suitability rating of 3 on our scale of 1-4 (1 = most conservative, 4 = most aggressive). A 3 rating is given based on VMware's high levels of competition within VMware's new end markets while the x86 server virtualization market is mature. We believe the company has a solid balance sheet and continues to generate significant free cash flow. VMware's unique ownership structure inside a larger Dell conglomerate has both positive and negative attributes. We believe a suitability rating of 3 incorporates VMware's risk profile. Shares of VMW are suitable for aggressive growth oriented investors seeking long-term capital appreciation, in our view.

RISKS & CONSIDERATIONS

Risks to our valuation include but are not limited to:

- Changes in macroeconomic conditions can affect global IT spending.
- Total revenue growth may slow as the compute virtualization market matures. A majority of workloads have been virtualized and, therefore, VMW now focuses on products and services for the platform-as-a-service and software-as-a-service markets. If these solutions are adopted more slowly or less broadly VMware growth may slow.
- Retaining key personnel and the integration of newly acquired businesses.
- Breach of security could impact the company for a significant period of time.
- Foreign currency effects as well as fluctuations in sales cycle and the lack of predictability of future revenues.
- Reliance on third party channel partners, as a majority of sales were from these sources.
- Dell's controlling stake gives VMware stakeholders limited rights which may have negative impacts to long-term goals.
- VMW shares may experience high levels of price volatility due to a small outstanding float.

VMware Inc. Non GAAP Income Statement (in \$000's except per share data)

| Viliware Inc. Non GAAF Income | | 2010 | | | 2042 | 2014 | 2045 | 2040 | | 04140 | Q2'18E | Q3'18E | Q4'18E | 20405 | 2019E |
|---------------------------------------|---------------|-------------|----------------|----------------|----------------------|----------------------|-------------------------|----------------------|-------------|---------------------------------------|------------|------------|--------------------|----------------------|----------------------|
| | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | Stub Period | Q1'18 | Q2 18E | Q3 I8E | Q4 18E | 2018E | 2019E |
| Revenue: | | | | | | | l . | | | | | | | | 1. |
| License | . ,, | \$1,401,424 | \$1,841,169 | \$2,086,990 | \$2,269,727 | \$2,591,000 | \$2,720,000 | \$2,794,000 | | \$ 610,000 | \$ 734,160 | \$ 773,920 | \$ 949,090 | \$3,067,170 | , , . |
| Services | 994,495 | \$1,455,919 | \$1,925,927 | 2,518,057 | 2,936,839 | 3,444,000 | 3,928,000 | 4,298,000 | | 1,126,000 | 1,164,390 | 1,206,570 | 1,259,500 | 4,756,460 | 5,101,056 |
| Total Revenues | 2,023,937 | 2,857,343 | 3,767,096 | 4,605,047 | 5,206,566 | 6,035,000 | 6,648,000 | 7,092,000 | | 1,736,000 | 1,898,550 | 1,980,490 | 2,208,590 | 7,823,630 | 8,342,400 |
| Operating expenses: | | | | | | | | | | | | | | | |
| Cost of license revenues | 30,792 | 52,414 | 74,857 | 92,682 | 83,025 | 83,000 | 80,000 | 57,000 | | 12,000 | 16,350 | 14,560 | 15,540 | 58,450 | 59,112 |
| Cost of services revenues | 217,720 | 292,318 | 384,865 | 450,644 | 489,016 | 679,000 | 784,000 | 839,000 | | 233,000 | 238,050 | 233,200 | 243,090 | 947,340 | 1,006,611 |
| Research and development | 441,602 | 537,820 | 661,874 | 778,792 | 845,701 | 992,000 | 1,072,000 | 1,198,000 | | 337,000 | 342,465 | 349,170 | 348,540 | 1,377,175 | |
| Sales and marketing | 675,532 | 931,705 | 1,222,868 | 1,477,880 | 1,661,779 | 1,941,000 | 2,068,000 | 2,133,000 | | 531,000 | 557,303 | 555,165 | 635,325 | 2,278,793 | 2,423,303 |
| General and administrative | 174,567 | 230,067 | 256,187 | 314,093 | 358,557 | 462,000 | 534,000 | 571,000 | | 128,000 | 144,540 | 150,075 | 149,040 | 571,655 | 602,479 |
| Operating income | 483,724 | 813,019 | 1,166,445 | 1,490,956 | 1,768,488 | 1,878,000 | 2,110,000 | 2,294,000 | | 495,000 | 599,843 | 678,320 | 817,055 | 2,590,218 | |
| Investment income | 8,233 | 6,633 | 16,157 | 26,557 | 29.720 | 39,000 | 49.000 | 75,000 | | 23,000 | 23.000 | 23,000 | 23,000 | 92.000 | 94.000 |
| Interest expense, net | (6,958) | (4,069) | (3,906) | (4,654) | (3,865) | (26,000) | (27,000) | (28,000) | | (7,000) | (7,000) | (7,000) | , | . , | . , |
| Other income, net | (2,980) | (14,182) | (9,009) | (732) | (3,863) | 1,000 | (5,000) | (2,000) | | 7,000 | 5,000 | (7,000) | (7,000) | 12,000 | 14,000 |
| · · · · · · · · · · · · · · · · · · · | | | , , , | | | | | | ' | , , , , , , , , , , , , , , , , , , , | , | 694,320 | - | | |
| Income before income taxes | 482,019 | 801,401 | 1,169,687 | 1,512,127 | 1,792,469 331,322 | 1,892,000 349,000 | 2,127,000 398,000.00 | 2,339,000 478,000 | | 518,000 106,190 | 620,843 | 145,807 | 833,055 174,942 | 2,666,218 563,524 | 2,876,400 589,662 |
| Income tax provision | 80,989 | 162,494 | 233,936 | 276,538 | , | | , | • | | , | 136,585 | | | | , |
| Net income | \$ 401,030 | ,, | | \$1,235,589 | . , , | . , , | | \$1,861,000 | | \$ 411,810 | \$ 484,257 | \$ 548,513 | . , | | \$2,286,738 |
| Non GAAP basic EPS | | \$ 1.56 | \$ 2.22 | \$ 2.90 | \$ 3.40 | \$ 3.59 | \$ 4.08 | \$ 4.43 | | | \$ 1.18 | | | | 1 - |
| Non GAAP diluted EPS | \$ 1.00 | \$ 1.51 | | | \$ 3.38 | \$ 3.55 | \$ 4.06 | \$ 4.40 | | \$ 0.99 | * | | | \$ 5.10 | |
| Basic shares outstanding | 394,269 | 409,805 | 421,188 | 426,655 | 429,120 | 430,356 | 424,025 | 420,540 | | 408,431 | 409,000 | 408,000 | 406,000 | 407,858 | 401,000 |
| Diluted shares outstanding | 399,776 | 423,446 | 431,750 | 433,588 | 432,813 | 434,063 | 426,033 | 423,201 | | 414,018 | 413,000 | 411,500 | 410,000 | 412,130 | 405,000 |
| Y/Y Growth Rate | | | | | | | | | | | | | | | |
| Total revenue | 7.6% | 41.2% | 31.8% | 22.2% | 13.1% | 15.9% | 10.2% | 6.7% | | 9.3% | 12.1% | 11.4% | 8.7% | 10.3% | 6.6% |
| License revenue | -12.6% | 36.1% | 31.4% | 13.4% | | 14.2% | 5.0% | 2.7% | | 6.6% | 14.0% | 12.0% | | | |
| Service revenue | 41.5% | 46.4% | 32.3% | 30.7% | 16.6% | 17.3% | 14.1% | 9.4% | | 10.7% | 11.0% | 11.0% | | | |
| Cost of license revenue | 27.8% | 70.2% | 42.8% | 23.8% | -10.4% | 0.0% | -3.6% | -28.8% | | -20.0% | 9.0% | 12.0% | | | |
| Cost of service revenue | 7.7% | 34.3% | 31.7% | 17.1% | 8.5% | 38.9% | 15.5% | 7.0% | | 17.7% | 15.0% | 10.0% | | | |
| R&D | 2.1% | 21.8% | 23.1% | 17.7% | | 17.3% | 8.1% | 11.8% | | 17.8% | 18.5% | 13.0% | | | |
| S&M | 12.7% | 37.9% | 31.3% | 20.9% | | 16.8% | 6.5% | 3.1% | | 4.5% | 5.8% | 9.5% | | | |
| G&A | 13.5% | 31.8% | 11.4% | 20.5% | 14.2% | 28.8% | 15.6% | 6.9% | | -5.9% | -1.0% | 3.5% | | | |
| | 3.2% | 68.1% | 43.5% | 22.6% 27.8% | 18.6% | 6.2% | 12.4% | 8.7% | | 11.0% | 17.8% | 14.6% | | | |
| Operating income | 3.2% -3.5% | | 43.5% 46.5% | | | | | 7.6% | | 12.5% | 17.0% | 13.1% | | | |
| Net income | | 59.3% | | 32.0% | 18.3% | 5.6% | 12.1% | | | | | | | | |
| EPS | -4.1% | 50.4% | | 31.5% | | 5.3% | | 8.4% | | 15.3% | 21.0% | 16.8% | | | |
| Shares outstanding | 0.7% | 5.9% | 2.0% | 0.4% | -0.2% | 0.3% | -1.8% | -0.7% | | -2.4% | -3.3% | -3.2% | -1.6% | -2.6% | -1.7% |
| Percent of Revenue | | | | | | | | | | | | | | | |
| License revenue | 50.9% | 49.0% | 48.9% | 45.3% | 43.6% | 42.9% | 40.9% | 39.4% | | 35.1% | 38.7% | 39.1% | 43.0% | 39.2% | 38.9% |
| Service revenue | 49.1% | 51.0% | 51.1% | 54.7% | 56.4% | 57.1% | 59.1% | 60.6% | 5 | 64.9% | 61.3% | 60.9% | 57.0% | 60.8% | 61.1% |
| Gross margin | 87.7% | 87.9% | 87.8% | 88.2% | 89.0% | 87.4% | 87.0% | 87.4% | | 85.9% | 86.6% | 87.5% | | 87.1% | |
| R&D | 21.8% | 18.8% | 17.6% | 16.9% | 16.2% | 16.4% | 16.1% | 16.9% | | 19.4% | 18.0% | 17.6% | | | |
| S&M | 33.4% | 32.6% | 32.5% | 32.1% | | 32.2% | 31.1% | 30.1% | | 30.6% | 29.4% | 28.0% | | | |
| G&A | 8.6% | 8.1% | 6.8% | 6.8% | | 7.7% | 8.0% | 8.1% | | 7.4% | 7.6% | 7.6% | | | |
| Operating margin | 23.9% | 28.5% | 31.0% | 32.4% | | 31.1% | 31.7% | 32.3% | | 28.5% | 31.6% | 34.3% | | | - |
| Tax rate | 16.8% | 20.3% | | 18.3% | | 18.4% | | 20.4% | | 20.5% | 22.0% | 21.0% | | | |
| | | | | | | | | | | | | | | | |
| Net profit margin | 19.8% | 22.4% | 24.8% | 26.8% | 28.1% | 25.6% | 26.0% | 26.2% | D | 23.7% | 25.5% | 27.7% | 29.8% | 26.9% | 27.4% |

Source: Company data & Hilliard Lyons estimates. Note: We do not include transition period financials in our outlook and future y/y comparisons will not be a direct comparison.

VMware Inc. Balance Sheet (in \$000's)

| Assets | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Q1'16 | Q2'16 | Q3'16 | Q4'16 | 2016 | Q1'18 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
| Cash and cash equivalents | \$1,840,812 | \$2,486,461 | \$1,628,965 | \$1,955,756 | \$1,609,322 | \$2,305,000 | \$2,071,000 | \$2,493,000 | \$2,785,000 | \$ 2,991,000 | \$ 2,654,000 | \$2,790,000 | \$2,790,000 | \$3,864,000 |
| Short-term investments | - | 27,360 | 1,694,675 | 2,556,450 | 3,021,512 | 3,870,000 | 5,004,000 | 5,016,000 | 5,461,000 | 5,674,000 | 5,600,000 | 5,195,000 | 5,195,000 | 4,748,000 |
| Accounts receivable, net | 338,014 | 534,196 | 614,726 | 882,857 | 1,150,906 | 1,220,000 | 1,520,000 | 1,633,000 | 1,089,000 | 1,215,000 | 1,119,000 | 1,856,000 | 1,856,000 | 867,000 |
| Due from Dell, net | - | 26,402 | 55,481 | 73,799 | 67,934 | - | 49,000 | 74,000 | 12,000 | 96,000 | 23,000 | 132,000 | 132,000 | 127,000 |
| Deferred tax asset | 44,573 | 63,360 | 100,689 | 128,471 | 179,430 | 190,000 | 248,000 | - | - | - | - | - | - | - |
| Other current asset | 166,689 | 44,701 | 203,119 | 80,439 | 90,935 | 96,000 | 238,000 | 144,000 | 147,000 | 167,000 | 159,000 | 362,000 | 362,000 | 172,000 |
| Total current assets | 2,390,088 | 3,182,480 | 4,297,655 | 5,677,772 | 6,120,039 | 7,681,000 | 9,130,000 | 9,360,000 | 9,494,000 | 10,143,000 | 9,555,000 | 10,335,000 | 10,335,000 | 9,778,000 |
| Property and equipment, net | 418,212 | 402,356 | 419,065 | 525,490 | 664,669 | 845,000 | 1,035,000 | 1,128,000 | 1,108,000 | 1,073,000 | 1,050,000 | 1,049,000 | 1,049,000 | 993,000 |
| Capitalized software costs, net | 134,553 | 169,293 | 151,945 | 154,236 | 128,701 | 107,000 | 174,000 | 193,000 | 195,000 | 218,000 | 232,000 | 248,000 | 248,000 | 240,000 |
| Deferred tax asset | 68,280 | 102,529 | 149,126 | 156,855 | 103,001 | 60,000 | 165,000 | 456,000 | 464,000 | 442,000 | 462,000 | 462,000 | 462,000 | 724,000 |
| Intangible assets, net | 56,984 | 94,557 | 210,928 | 407,375 | 731,852 | 607,000 | 748,000 | 616,000 | 582,000 | 577,000 | 538,000 | 517,000 | 517,000 | 474,000 |
| Goodwill | 771,088 | 1,115,769 | 1,568,600 | 1,759,080 | 2,848,130 | 3,027,000 | 3,964,000 | 3,993,000 | 3,993,000 | 4,031,000 | 4,032,000 | 4,032,000 | 4,032,000 | 4,032,000 |
| Total assets | 3,839,205 | 5,066,984 | 6,797,319 | 8,680,808 | 10,596,392 | 12,327,000 | 15,216,000 | 15,746,000 | 15,836,000 | 16,484,000 | 15,869,000 | 16,643,000 | 16,643,000 | 16,241,000 |
| Liabilities and Stockholders' Equity | | | | | | | | | | | | | | |
| Accounts payable | 74,708 | 50,566 | 58,913 | 49,747 | 89,562 | 109,000 | 203,000 | 138,000 | 106,000 | 115,000 | 104,000 | 125,000 | 125,000 | 116,000 |
| Accrued expenses and other | 260,687 | 334,523 | 459,813 | 587,650 | 674,746 | 626,000 | 811,000 | 746,000 | 622,000 | 735,000 | 649,000 | 898,000 | 898,000 | 897,000 |
| Due to related parties | | | | | | | - | - | - | - | - | - | - | 680,000 |
| Unearned revenues | 544,355 | 908,953 | 1,270,426 | 1,764,109 | 2,195,926 | 2,558,000 | 2,982,000 | 3,245,000 | 3,181,000 | 3,276,000 | 3,279,000 | 3,531,000 | 3,531,000 | 3,317,000 |
| Total current liabilities | 879,750 | 1,294,042 | 1,789,152 | 2,401,506 | 2,960,234 | 3,293,000 | 3,996,000 | 4,129,000 | 3,909,000 | 4,126,000 | 4,032,000 | 4,554,000 | 4,554,000 | 5,010,000 |
| Note payable to Dell | 450,000 | 450,000 | 450,000 | 450,000 | 450,000 | 450,000 | 1,500,000 | 1,500,000 | 1,500,000 | 1,500,000 | 1,500,000 | 1,500,000 | 1,500,000 | 820,000 |
| Unearned revenues | 325,634 | 416,345 | 589,668 | 944,309 | 1,264,639 | 1,534,000 | 1,851,000 | 1,831,000 | 1,795,000 | 1,846,000 | 1,815,000 | 2,093,000 | 2,093,000 | 1,918,000 |
| Deferred tax liability | 47,825 | 60,300 | 30,096 | | - | | | | | | | | | |
| Other liabilities | 65,929 | 103,346 | 129,960 | 114,711 | 181,538 | 234,000 | 283,000 | 363,000 | 361,000 | 376,000 | 388,000 | 399,000 | 399,000 | 425,000 |
| Total liabilities | 1,769,138 | 2,324,033 | 2,988,876 | 3,910,526 | 4,856,411 | 5,511,000 | 7,630,000 | 7,823,000 | 7,565,000 | 7,848,000 | 7,735,000 | 8,546,000 | 8,546,000 | 8,173,000 |
| Stockholders' Equity | | | | | | | | | | | • | | | |
| Total stockholders' equity | 2,070,067 | 2,742,951 | 3,808,443 | 4,770,282 | 5,739,981 | 6,816,000 | 7,586,000 | 7,923,000 | 8,271,000 | 8,636,000 | 8,134,000 | 8,097,000 | 8,097,000 | 8,068,000 |
| Total liabilities and stockholders' equity | 3,839,205 | 5,066,984 | 6,797,319 | 8,680,808 | 10,596,392 | 12,327,000 | 15,216,000 | 15,746,000 | 15,836,000 | 16,484,000 | 15,869,000 | 16,643,000 | 16,643,000 | 16,241,000 |

Source: Company data Note: We do not include transition period financials in our outlook and future y/y comparisons will not be a direct comparison.

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Other companies mentioned: Dell Technologies Inc. (DVMT-\$67.74).

Additional information is available upon request.

Analyst Certification

I, Stephen Turner, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject company(ies) and its (their) securities. I also certify that I have not been, am not, and will not be receiving direct or indirect compensation in exchange for expressing the specific recommendation(s) in this report.

Important Disclosures

Hilliard Lyons' analysts receive bonus compensation based on Hilliard Lyons' profitability. They do not receive direct payments from investment banking activity.

The author of this report or members of his household have a long position in the common stock of VMware Inc., but may not engage in buying or selling contrary to the recommendation.

Suitability Ratings

- 1 A large cap, core holding with a solid history
- 2 A historically secure company which could be cyclical, has a shorter history than a "1" or is subject to event driven setbacks
- **3** An above average risk/reward ratio could be due to small size, lack of product diversity, sporadic earnings or high leverage
- **4** Speculative, due to small size, inconsistent profitability, erratic revenues, volatility, low trading volume or a narrow customer or product base

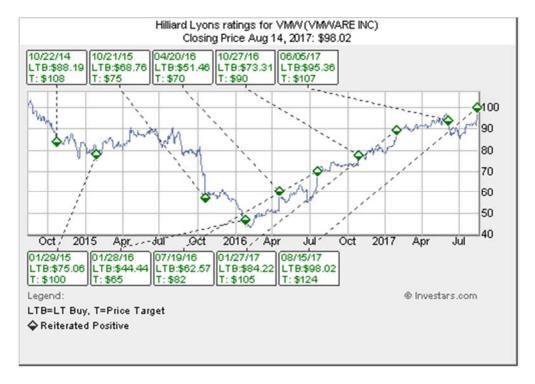
Investment Ratings

Buy - We believe the stock has significant total return potential in the coming 12 months.

Long-term Buy - We believe the stock is an above average holding in its sector, and expect solid returns to be realized over a longer time frame than our Buy rated issues, typically 2-3 years.

Neutral - We believe the stock is an average holding in its sector, is currently fully valued, and may be used as a source of funds if better opportunities arise.

Underperform - We believe the stock is vulnerable to a price setback in the next 12 months.



| | | d Lyons nded Issues | Investment Banking Provided in Past 12 Mo. | | | | |
|------------------|------|------------------------|--|-------------------|--|--|--|
| | # of | % of | Fiovided ii | T F a St. 12 WIO. | | | |
| Rating | •. | d Stocks Covered | Banking | No Banking | | | |
| | | | | | | | |
| Buy | 38 | 30% | 11% | 89% | | | |
| Hold/Neutral | 77 | 61% | 8% | 92% | | | |
| Sell | 11 | 9% | 0% | 100% | | | |
| As of 9 August 2 | 017 | | | | | | |

Other Disclosures

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