FIRST TRUST CLOUD COMPUTING ETF (SKYY)

$60.11 USD

Fund Type: Technology ETFs
Issuer: FIRST TRUST ADVISORS
Benchmark Index: ISE CTA CLOUD COMPUTING INDEX
Date of Inception: 05/27/2011
AUM (million): $2,302.21
Number of holdings in the ETF: 62
Assets in top ten holdings: 40.24%
Expense Ratio: 0.60%
Dividend Yield: 0.52%

Price Fundamentals of SKYY
Current Price: $60.11
52-Week High: $60.91
52-Week Low: $45.37
NAV (06/30/2019): $57.78
1Yr ETF Ret (07/12/2019): 7.65%

Risk Statistics
Beta (against S&P 500): 1.04
Standard Deviation: 16.08%
R²: 71.35%

Zacks Opinion
SKYY focuses on companies that either support or utilize cloud computing for their business. Cloud computing is a process by which data can be stored virtually. This data can be easily accessed at any time via the Internet. The concept has been extremely successful in the present era of technological innovation. Moreover, firms intending to cut back on IT costs and seeking to drop the usage of servers are finding it indispensable. Thanks to the increased flexibility, an accelerated shift to the cloud-based solutions is expected in the coming days. However, no more "megaclouds" like AWS, Azure and Google are expected in the near future.

Key Points
- Heavy on software and Internet services
- Moderate company concentration risks
- Moderate expense ratio and trading costs

Reasons to Buy
- Cloud is a fast-evolving area; firms eye the space to cut down costs

Reasons to Sell
- High growth sector and thus accompanies high risks

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Holdings Breakdown
The fund holds a small basket of 28 securities that are weighted almost equally with no single company making up for more than 7.06% share. The performance of the fund is not heavily dependent on the returns of a particular stock or group of securities. The product has a tilt toward the large caps as about 69% of the portfolio falls in the said category while about 24% of it is classified as mid-cap stocks. The fund is heavy on software (38.7%), Internet software & services (14.8%), Communications Equipment (14.4%) and Internet & Direct Marketing Retail (11.4%).

Performance
Strong demand of the cloud-based services led to 12.1% one-year gains for the fund despite acute selloff seen in the tech space in early and late 2018 on rising rate and overvaluation concerns. The fund is up about 19.6% this year on improved market sentiments backed by a dovish Fed and cues of improvement in the U.S.-China trade relation. However, trade tensions escalated in May which has been drag to the broader market, and especially tech stocks. The broad-based selloff cut back on some year-to-date gains.

SKYY Top 5 Holdings
<table>
<thead>
<tr>
<th>Security</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oracle Corporation</td>
<td>4.96%</td>
</tr>
<tr>
<td>Microsoft Corporation</td>
<td>4.80%</td>
</tr>
<tr>
<td>Amazon.com, Inc.</td>
<td>4.74%</td>
</tr>
<tr>
<td>MongoDB, Inc.</td>
<td>4.47%</td>
</tr>
<tr>
<td>CenturyLink, Inc.</td>
<td>4.34%</td>
</tr>
</tbody>
</table>

Investment Objective
SKYY tracks the ISE Cloud Computing Index which follows a diversified benchmark of firms that are engaged in the cloud computing industry.

Analysis
The ETF charges investors an expense ratio of 60 basis points which makes it a moderately priced option in the technology equities ETF space. The fund has amassed more than $2.1 billion in assets. Yet it is a moderately option as it trades in volumes of around 120,000 shares a day resulting in a relatively tight bid-ask spread ratio and moderate trading costs. The fund has over 80% growth stocks in its portfolio which translates into higher volatility.

Description
Launched in July 2011, ISE Cloud Computing Index Fund (SKYY) is a passively managed exchange traded fund designed to track the ISE Cloud Computing Index.
Glossary

ACTIVE MANAGEMENT: A portfolio management strategy where the manager uses a variety of skills and attributes (like top-down approach, bottom-up approach, value investing, growth investing or absolute returns strategy) in the portfolio so that the fund outperforms the benchmark index.

ALPHA: A measure of outperformance that can be calculated as the return of the fund minus the benchmark's return. A positive alpha indicates the fund has outperformed the benchmark index whereas a negative alpha indicates underperformance.

AMERICAN DEPOSITORY RECEIPT: A negotiable non-US security that trades in the US financial market.

AUTHORIZED PARTICIPANTS: An entity chosen by an ETF sponsor to undertake the responsibility of obtaining the underlying assets needed to create an ETF. Authorized participants are typically large institutional organizations, such as market makers or specialists.

AVERAGE YIELD TO MATURITY: The expected rate of return on a fund's portfolio if it is held until the maturity while reinvesting all coupon payments at the bond yield.

BASKET: A portfolio of several stocks or securities that are selected for the inclusion in the fund with different weightings.

BETA: A measure of risk compared to the market benchmark. A beta of less than 1 indicates that the fund is less volatile than the market and vice versa.

BID/ASK SPREAD: The difference between the highest price that a buyer is willing to pay (often called bid price) for the underlying assets of the fund and the lowest price that a seller is willing to accept (often called ask price) for it.

CONTRARIAN: An investment style that goes against prevailing market trends (i.e. against the thinking of many) by buying assets that are performing poorly and then selling when they perform well.

CREATION UNIT: A set of securities or underlying assets that can be created or redeemed by Authorized Participants for a certain number of ETF shares with the fund or trust. The creation units can vary in size ranging from 25,000 to 600,000 shares each.

DIVIDEND YIELD: A financial ratio that measures how much a company pays out in dividends each year relative to its share price. It can be calculated as annual dividend per share divided by price per share.

EFFECTIVE DURATION: A measure of a fund's interest-rate sensitivity. The longer the duration, the more sensitive is the fund to changes in interest rates.

ENHANCED INDEXING: An investment idea that attempts to amplify the returns of an underlying asset or the fund with lower tracking error. Enhanced indexing combines elements of both passive and active management.

EXCHANGE TRADED FUND: The fund represents a basket of securities (that typically track an index), and is listed and traded like stocks on an exchange. ETFs can be traded throughout the day in amounts as little as one share.

EXCHANGE-TRADED NOTE: The note is a senior, unsecured, unsubordinated debt issued by a major bank. It has a maturity date and is backed only by the credit of the issuer. The ETN, however, do not actually hold any security, instead an issuing bank promises to pay to the investor the amount reflected by the index's performance (minus fees).

EXPENSE RATIO: An annual fee that the fund or ETF charge from the investors in order to provide exposure to the underlying asset.

FUND OF FUNDS: A fund that invests in other funds instead of investing directly in stocks, bonds or other securities.

FUNDAMENTAL INDEXING: A type of equity index in which stocks or securities are selected based on fundamental metrics such as revenue, dividend rates, earnings or book value.

INDEX: An imaginary portfolio of securities representing a particular market or a portion of it.

INVERSE ETF: An ETF that provides opposite (inverse) exposure to the underlying index though use of various financial and money market instruments over a specified period of time. This ETF is similar to holding a short position in order to take profit from the falling prices.

INVESTMENT STYLE: A different style of investing such as growth, value and blend in a basket of asset.

LEVERAGED ETF: An ETF that uses various financial instruments to amplify the returns (up to 3 times) of the underlying index over a specified period of time.
LIQUIDITY: The degree to which an asset or security can be bought or sold in the market without affecting the asset's price. Liquidity is characterized by a high level of trading activity.

MARKET CAPITALIZATION: Represents the aggregate value of the fund or underlying asset.

NET ASSET VALUE: Value of an ETF on per share basis and is calculated as total asset minus total liabilities divided by number of shares.

PASSIVE MANAGEMENT: A portfolio management strategy where the fund is the mirror image of the performance of the benchmark index.

PORTFOLIO TURNOVER: A percentage of underlying assets bought and sold in a given year.

R-SQUARED: A measure of correlation with the market benchmark. An R-Squared of 100 indicates perfect correlation of the fund that of market while an R-Squared of 0 indicates no correlation.

SECTOR ROTATION: A strategy that involves moving from one sector to another by selling the underlying assets or securities of a sector and purchasing securities or assets in another.

SEC YIELD: A standard yield that the bond funds must pay to its shareholders based on the most recent 30-day period covered by the fund's filings with the SEC.

SHORT ETF: An investment strategy that offers to take short position in the underlying index through various financial instruments.

STYLE BOX: A visual representation of the fund, created by Morningstar, to determine risk-return structures of the portfolio. A style box is comprised of nine squares, or categories, that classify securities by size (small, mid and large cap) along the vertical axis and by value, growth and blend characteristics along the horizontal axis.

TARGET DATE FUND: A fund that invests exclusively in the assets or securities with a certain defined maturity.

TRACKING ERROR: A measure of how closely a portfolio follows the benchmark index. It is calculated as the difference between the returns of fund portfolio and the benchmark index.

TREASURY INFLATION PROTECTED SECURITIES: The bonds that are issued by the U.S. Treasury to protect against inflation. These securities pay interest on an inflated-principal amount (principal rises with inflation) and when the securities mature, investors get either the inflation-adjusted principal or the original principal, whichever is greater.

VOLATILITY: A measure of risk calculated by the annualized daily movement in the fund price. The lower the volatility of the fund the better it is.

VOLUME: The number of shares traded in the market during a given period of time.

YIELD CURVE: A line that plots the interest rates of bonds having equal credit quality but differing maturity dates. The yield curve provides an idea of future interest rate change and economic activity. It generally compares the three-month, two-year, five-year and 30-year U.S. Treasury debt.

WEIGHTED MATURITY: The remaining time to maturity of the underlying securities in a portfolio. A fund with a short average maturity is more sensitive to current interest rate fluctuations than one with longer average maturity.

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The data on the front page and all the charts (except the sector weights chart) in the report represent market data as of 07/12/2019, while the report's text and the sector weights chart are as of 05/27/2019.