

## First Trust Cloud Computing ETF

## As of 12/31/21

## » Fund Objective

This exchange-traded fund seeks investment results that correspond generally to the price and yield (before the fund's fees and expenses) of an equity index called the ISE CTA Cloud Computing Index™.

## >> Fund Facts

Fund Ticker	SKYY
CUSIP	33734X192
Intraday NAV	SKYYIV
Fund Inception Date	7/5/11
Expense Ratio	0.60%
Rebalance Frequency	Quarterly
Primary Listing	Nasdaq

### >> Index Facts

>> Performance Summary (%)

Index Ticker CPQ Index Inception Date 5/27/11

### >> Index Description

- The index is a modified equal weighted index designed to track the performance of companies involved in the cloud computing industry. To be included in the index, a security must be classified as a Cloud Computing company by the Consumer Technology Association (CTA) and meet the following criteria:
  - Minimum market capitalization of \$500 million;
  - · Minimum free float of 20%;
  - Minimum three-month average daily dollar trading volume (ADDTV) of \$5 million.
- >> Each security is then classified according to the following three business categories:
  - Infrastructure-as-a-Service (laaS): Companies that deliver cloud computing infrastructure servers, storage, and networks as an on-demand service.
  - Platform-as-a-Service (PaaS): Companies that deliver a platform for the creation of software in the form of virtualization, middleware, and/or operating systems, which is then delivered over the Internet.
- Software-as-a-Service (SaaS): Companies that deliver software applications over the Internet enabling other companies to conduct their operations using the application.
- » The index employs a modified equal weighted methodology called the Cloud Score Weighting.

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- At every index evaluation, each security has its Cloud Score calculated by receiving a score for each category (laaS, PaaS, and SaaS), 1 if it is operating in that category and 0 if it is not. The maximum score that can be achieved is a 6 (3 for laaS, 2 for Paas. 1 for Saas).
- Each company's total score is divided by the total sum of the scores in the universe to determine the weight of each security. Individual security weights are capped at 4.5%.

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>> The number of securities in the index is limited to 80 securities.

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The index is reconstituted and rebalanced quarterly.

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» Performance Summary (%)	Quarter		עוז	1 16	di	2 (69)2	5 I	ears	in tegis	SILIC	e inception
Fund Performance*											
Net Asset Value (NAV)	-0.45		10.55	10.5	55	29.96	25	5.47	20.19		17.39
After Tax Held	-0.71		10.20	10.2	20	29.68	2.	5.19	20.00		17.21
After Tax Sold	-0.27		6.25	6.2	25	23.93	20	).95	17.40		14.88
Market Price	-0.44		10.59	10.5	59	29.75	25	5.48	20.22		17.39
Index Performance**											
ISE CTA Cloud Computing Index™	-0.25		11.23	11.2	23	30.61	26	5.29	20.86		18.04
S&P Composite 1500 Information Technology Index	16.35		33.76	33.	76	42.10	31	1.35	23.63		22.05
S&P 500 Index	11.03		28.71	28.	71	26.07	18	3.47	16.55		15.16
» Calendar Year Total Returns (%)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SKYY	_	15.53	33.35	7.42	5.89	15.42	33.39	6.23	25.78	57.84	10.55
S&P Composite 1500 Information Technology Index	_	14.75	28.99	18.95	5.60	14.78	37.29	-0.75	49.75	43.23	33.76
S&P 500 Index	-	16.00	32.39	13.69	1.38	11.96	21.83	-4.38	31.49	18.40	28.71
» 3-Year Statistics	Standard De	eviation (%	6)	Alpha		Beta		Sharpe Ra	atio	Correl	ation
SKYY	21.	80		3.85		1.00		1.27		8.0	30

>> 2-16q1 Statistics	Stalldard Deviation (%)	Alpiid	Dela	Stidi pe Ratio	Correlation
SKYY	21.80	3.85	1.00	1.27	0.80
S&P Composite 1500 Information Technology Index	19.54	11.66	1.04	1.86	0.93
S&P 500 Index	17.41	_	1.00	1.36	1.00

Performance data quoted represents past performance. Past performance is not a guarantee of future results and current performance may be higher or lower than performance quoted. Investment returns and principal value will fluctuate and shares when sold or redeemed, may be worth more or less than their original cost. You can obtain performance information which is current through the most recent month-end by visiting www.ftportfolios.com.

<sup>\*\*</sup>Performance information for the ISE CTA Cloud Computing Index is for illustrative purposes only and does not represent actual fund performance. Indexes do not charge management fees or brokerage expenses, and no such fees or expenses were deducted from the performance shown. Indexes are unmanaged and an investor cannot invest directly in an index.



<sup>\*</sup>NAV returns are based on the fund's net asset value which represents the fund's net assets (assets less liabilities) divided by the fund's outstanding shares. After Tax Held returns represent return after taxes on distributions. Assumes shares have not been sold. After Tax Sold returns represent the return after taxes on distributions and the sale of fund shares. Returns do not represent the returns you would receive if you traded shares at other times. Market Price returns are determined by using the midpoint of the national best bid offer price ("NBBO") as of the time that the fund's NAV is calculated. Returns are average annualized total returns, except those for periods of less than one year, which are cumulative. After-tax returns are calculated using the historical highest individual federal marginal income tax rates and do not reflect the impact of state and local taxes. Actual after-tax returns depend on the investor's tax situation and may differ from those shown. The after-tax returns shown are not relevant to investors who hold their fund shares through tax-deferred arrangements such as 401(k) plans or individual retirement accounts.

# First Trust Cloud Computing ETF

### >> Portfolio Information

Number Of Holdings	67
Maximum Market Cap.	\$2,525.08 Billion
Median Market Cap.	\$19.02 Billion
Minimum Market Cap.	\$361 Million
Price/Book	5.62
Price/Sales	4.06

## >> Top Holdings (%)

Arista Networks, Inc.	4.07
Pure Storage, Inc. (Class A)	3.69
Alphabet, Inc.	3.59
Microsoft Corporation	3.57
VMware, Inc.	3.49
Oracle Corporation	3.38
Amazon.com, Inc.	3.34
Rackspace Technology, Inc.	3.32
Alibaba Group Holding Limited	3.27
Kingsoft Cloud Holdings - ADR	3.20

## >> Top Industry Exposure (%)

Software	47.48
IT Services	23.82
Technology Hardware, Storage & Peripherals	7.44
Communications Equipment	6.78
Internet & Direct Marketing Retail	6.61
Interactive Media & Services	3.59
Diversified Telecommunication Services	2.98
Health Care Technology	1.30

You should consider the fund's investment objectives, risks, and charges and expenses carefully before investing. Contact First Trust Portfolios L.P. at 1-800-621-1675 or visit www.ftportfolios.com to obtain a prospectus or summary prospectus which contains this and other information about the fund. The prospectus or summary prospectus should be read carefully before investing.

### **Risk Considerations**

A fund's return may not match the return of its underlying index. A fund invests in securities included in the index regardless of investment merit and the securities held by a fund will generally not be bought or sold in response to market fluctuations.

Investors buying or selling fund shares on the secondary market may incur customary brokerage commissions. Market prices may differ to some degree from the net asset value of the shares. Investors who sell fund shares may receive less than the share's net asset value. Shares may be sold throughout the day on the exchange through any brokerage account. However, unlike mutual funds, shares may only be redeemed directly from a fund by authorized participants in very large creation/redemption units. If a fund's authorized participants are unable to proceed with creation/redemption orders and no other authorized participant is able to step forward to create or redeem, fund shares may trade at a discount to a fund's net asset value and possibly face delisting.

A fund's shares will change in value, and you could lose money by investing in a fund. One of the principal risks of investing in a fund is market risk. Market risk is the risk that a particular stock owned by a fund, fund shares or stocks in general may fall in value. There can be no assurance that a fund's investment objective will be achieved. The outbreak of the respiratory disease designated as COVID-19 in December 2019 has caused significant volatility and declines in global financial markets, which have caused losses for investors. While the development of vaccines has slowed the spread of the virus and allowed for the resumption of "reasonably" normal business activity in the United States, many countries continue to impose lockdown measures in an attempt to slow the spread. Additionally, there is no guarantee that vaccines will be effective against emerging variants of the disease.

The risks related to investing in cloud computing companies include interruptions or delays in service, security breaches involving sensitive, proprietary and confidential information, privacy concerns and laws, and other regulations that may limit or otherwise affect the operations of such companies.

As the use of Internet technology has become more prevalent in the course of business, funds have become more susceptible to potential operational risks through breaches in cyber security.

Depositary receipts may be less liquid than the underlying shares in their primary trading market.

A fund may be a constituent of one or more indices which could greatly affect a fund's trading activity, size and volatility.

There is no assurance that the index provider or its agents will compile or maintain the index accurately. Information technology companies are subject to certain risks, including rapidly changing technologies, short product life cycles, fierce competition, aggressive pricing and reduced profit margins, loss of patent, copyright and trademark protections, cyclical market patterns, evolving industry standards and frequent new product introductions. Certain companies may be smaller and less experienced companies, with limited product lines, markets or financial resources. Information technology company stocks, especially those which are Internet related, have experienced extreme price and volume

fluctuations that are often unrelated to their operating performance. Many Internet companies have incurred large losses since their inception and may continue to incur large losses in the hope of capturing market share and generating future revenues. Accordingly, many such companies expect to incur significant operating losses for the foreseeable future, and may never be profitable.

Securities of non-U.S. issuers are subject to additional risks, including currency fluctuations, political risks, withholding, the lack of adequate financial information, and exchange control restrictions impacting non-U.S. issuers.

A fund and a fund's advisor may seek to reduce various operational risks through controls and procedures, but it is not possible to completely protect against such risks.

High portfolio turnover may result in higher levels of transaction costs and may generate greater tax liabilities for shareholders.

A fund with significant exposure to a single asset class, country, region, industry, or sector may be more affected by an adverse economic or political development than a broadly diversified fund.

Securities of small- and mid-capitalization companies may experience greater price volatility and be less liquid than larger, more established companies.

Trading on the exchange may be halted due to market conditions or other reasons. There can be no assurance that the requirements to maintain the listing of a fund on the exchange will continue to be met or be unchanged.

First Trust Advisors L.P. is the adviser to the fund. First Trust Advisors L.P. is an affiliate of First Trust Portfolios L.P., the fund's distributor.

The information presented is not intended to constitute an investment recommendation for, or advice to, any specific person. By providing this information, First Trust is not undertaking to give advice in any fiduciary capacity within the meaning of ERISA, the Internal Revenue Code or any other regulatory framework. Financial professionals are responsible for evaluating investment risks independently and for exercising independent judgment in determining whether investments are appropriate for their clients.

#### **Definitions**

Standard Deviation is a measure of price variability (risk). Alpha is an indication of how much an investment outperforms or underperforms on a risk-adjusted basis relative to its benchmark. Beta is a measure of price variability relative to the market. Sharpe Ratio is a measure of excess reward per unit of volatility. Correlation is a measure of the similarity of performance. The S&P Composite 1500 Information Technology Index is a capitalization-weighted index of companies classified by GICS as information technology within the S&P Composite 1500 Index. The S&P 500 Index is an unmanaged index of 500 stocks used to measure large-cap U.S. stock market performance.

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