

Monthly Cloud Technology Market Report

February 2023

HANetf & GinsGlobal

HAN-GINS Cloud Technology UCITS ETF

SKYY

59bps

IE00BDDRE924

Product Inception Date: 05/10/2018

For Professional Clients Only. Capital at risk.

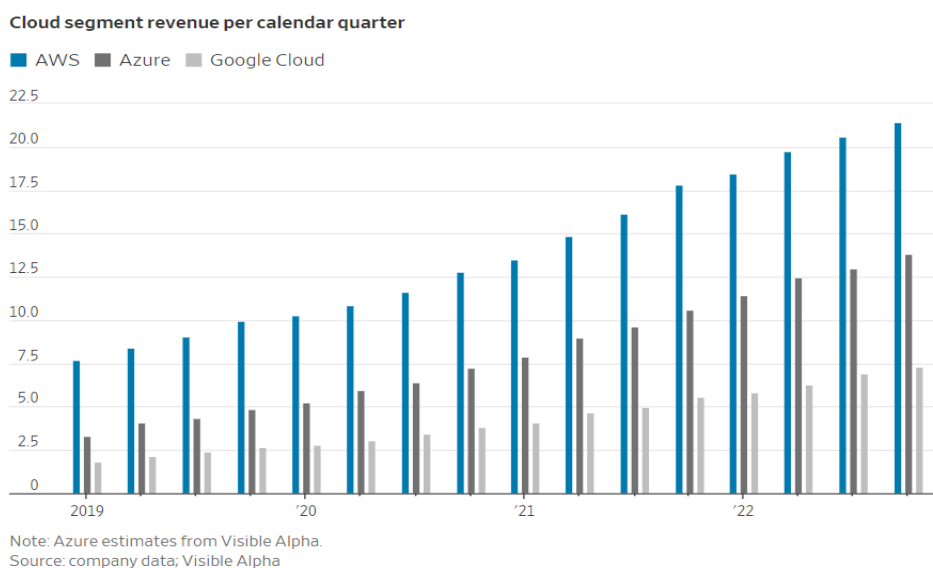
All data as of 31/01/2023

This report was written by, and is the opinion of, the SKYY index providers GinsGlobal.

Key Takeaways

- SKYY only Article 8 ESG-compliant ETF and using a Global benchmark (US 79% weight).¹
- SKYY gained 10.66% this month, boosted by global/China holdings.
- SKYY holdings are representative of Global Cloud industry - SaaS, PaaS and IaaS.
- Top 5 & 10 weightings remain half of key competitors. (Approximately 12% and 21% respectively)
- SKYY's 75 holdings, low risk Equal Weighted approach ensures less MegaCap exposure.
- SKYY has amongst the lowest PE ratios, Price/Book and Price/Sales numbers – versus competitors.
- Globally diversified - US 81.1%, China 9.8%, Japan 2.9%.
- Best December performers SUMA, AVAYA, SANGFOR, SALESFORCE, NVIDIA, TUYA, INSDEEGA, TWILIO & KINGSOFT. (Table below).
- Asian Cloud fastest growing per capita via speedy 5G connections – Mobile Gaming fastest growing gaming area.²

Source of all data: Gins Global / Solactive. Data as of 31.01.2023. **Please note that all performance figures are showing net data.** Past performance is not indicative of future performance and when you invest in ETFs, your capital is at risk.



For illustrative purposes only. Graph displays expected figures from 2023 onwards.

¹ <https://etp.hanetf.com/SKYY-supplement.pdf>

² <https://www.prysmiangroup.com/en/insight/telecoms/nexst/asia-pacific-public-cloud-services-spending-up-nearly-29-per-cent-in-2021>

Marco Outlook

- Digital Tech revolution converging around Cloud Computing.
- Strong Tech bounce-back in 2023 – worst US Inflation/Fed fear now past, we expect a soft landing.
- Cloud underpins Video Streaming, Online Gaming, Mobile, 5G and Cybersecurity services.
- ChatGPT, BARD and other AI systems to be integrated into Cloud by Microsoft and Google.
- Ultra-fast networks, 5G & Wi-Fi 6E – require Cloud to power huge data.
- Current lowest average P/E ratios in almost a decade.
- 50% of Corporate IT spend shifting to Cloud by 2025 – globally.
- Tipping Point - strong Global Adoption rates (Govt, Banks & H/care).
- Pentagon \$9bn Cloud contract awarded to Big 4 Cloud IaaS firms - more Govt spending to follow.
- Regulated industry adoption – banks, insurance, healthcare amongst largest new adopters.
- \$1trillion of new Revenues moving to the Cloud within 3 years. (Gartner source above).
- Google, Amazon (AWS), Oracle & Microsoft continue to post 25%+ YoY growth.
- Only 25% of corporate workloads in the Public Cloud – huge upside. (Gartner)
- Cloud size set to double in 4 years; powering WFH/Hybrid & Digital Video Streaming & Online Gaming.
- Large US Federal & State Govt Cloud Computing & Cybersecurity spending.
- Cloud's ongoing cost savings & WFH trend - boosting adoption during recessionary times.
- Cloud Gaming booming - CAGR of 16%.

Sources available upon request. **Please note that all performance figures are showing net data.** Past performance is not indicative of future performance and when you invest in ETFs, your capital is at risk. When you invest in ETFs your capital is at risk.

SKYY Top Contributors – January 2023:

HOLDINGS	Average Weight (%)	Total Return (%)	Contribution to Return (%)
SUMO LOGIC INC	1.45	46.05	0.67
AVAYA HOLDINGS CORP	0.06	43.88	0.03
SANGFOR TECHNOLOGIES INC-A	1.80	38.03	0.69
INSEEGO CORP	0.33	35.31	0.11
NVIDIA CORP	1.53	33.69	0.52
TUYA INC	0.69	29.84	0.20
SALESFORCE INC	1.35	26.68	0.36
FASTLY INC - CLASS A	1.29	26.37	0.34
KINGSOFT CLOUD HOLDINGS LTD	1.60	25.33	0.41
ALIBABA GROUP HOLDING-SP ADR	1.51	25.10	0.38
TWILIO INC	1.16	22.22	0.26
BAIDU INC - SPON ADR	0.59	21.51	0.13
SEAGATE TECHNOLOGY PLC	0.80	18.37	0.15
SERVICENOW INC	1.31	17.22	0.23

GUIDEWIRE SOFTWARE INC	1.36	17.07	0.23
CLOUDFLARE INC - CLASS A	1.27	17.03	0.22
MERIDIANLINK INC	1.35	15.66	0.21
DIGITALOCEAN HOLDINGS INC	1.14	15.23	0.17

Cloud Technology Performance

As of 31.01.2023

	1M	3M	6M	YTD	12M	2Y	3Y	SI
HAN-GINS Cloud Technology UCITS ETF	10.66%	7.30%	-0.74%	10.66%	-24.50%	-25.79%	-3.74%	15.87%
<i>Solactive Cloud Technology Index (NTR)</i>	10.78%	7.52%	-0.43%	10.78%	-24.12%	-25.58%	-2.96%	17.58%

Please note that all performance figures are showing net data. Source: Bloomberg / HANetf. Data as of 31/01/2023
Performance before inception is based on back tested data. Back testing is the process of evaluating an investment strategy by applying it to historical data to simulate what the performance of such strategy would have been. Back tested data does not represent actual performance and should not be interpreted as an indication of actual or future performance. Past performance for the index is in USD. Past performance is not an indicator for future results and should not be the sole factor of consideration when selecting a product. Investors should read the prospectus of the Issuer ("Prospectus") before investing and should refer to the section of the Prospectus entitled 'Risk Factors' for further details of risks associated with an investment in this product. When you invest in ETFs and ETCs, your capital is at risk.

Product Details

HAN-GINS Cloud Technology UCITS ETF, is a UCITS compliant cloud computing ETF domiciled in Ireland.

The SKYY Cloud ETF tracks the Solactive Cloud Technology Index and seeks to provide exposure to companies active in the field of cloud computing, such as service providers or producers of equipment or software focused on cloud computing.

Please remember that the value of your investment may go down as well as up and past performance is no indication of future performance.

Visit the [SKYY Fund Page](#) for more information.

Exchange	BBG Code	RIC	ISIN	Valoren	SEDOL	Currency	TER
London Stock Exchange	SKYY LN	SKYY.L	IE00BDDRF924	-	BYVJ8T8	USD	0.59%
London Stock Exchange	SKYP LN	SKYP.L	IE00BDDRF924	-	BYVJ973	GBP	0.59%
Borsa Italiana	SKYY IM	SKYY.MI	IE00BDDRF924	-	BFX1CC0	EUR	0.59%
Deutsche Boerse Xetra	5XYE GY	5XYE.DE	IE00BDDRF924	-	BFX38L7	EUR	0.59%
SIX Swiss Exchange	SKYY SW	SKYY.S	IE00BDDRF924	44096882	BMYC3V7	CHF	0.59%



Anthony Ginsberg, GinsGlobal Index Funds

Anthony Ginsberg is the co-creator of the HAN-GINS Cloud Technology UCITS ETF (SKYY), enabling investors to gain exposure to the top 50 cloud companies across Developed and Emerging markets. SKYY tracks a rules-based index to identify and select companies involved in the field of cloud computing.

Anthony Ginsberg is the Managing Director of GinsGlobal Investment Management, a global asset management company offering a broad range of innovative index-linked products, for both retail and institutional investors. GinsGlobal designs index products for a number of leading financial institutions, including global insurers, banks and asset managers. GinsGlobal was founded in 2000 and has operations in North America, Africa, Middle East and Asia-Pacific.

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1. HANetf ICAV, an open-ended Irish collective asset management vehicle issuing under the terms in the Prospectus and relevant Supplement for the ETF approved by the Central Bank of Ireland (“CBI”) (“ETF Prospectus”) is the issuer of the ETFs. Investors should read the current version of the ETF Prospectus before investing and should refer to the section of the ETF Prospectus entitled ‘Risk Factors’ for further details of risks associated with an investment in the ETFs. Any decision to invest should be based on the information contained in the ETF Prospectus.
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 - i. the precious metals ETCs under the terms in the base prospectus approved by both the Central Bank of Ireland (“CBI”), the UK Financial Conduct Authority (“FCA”) and the final terms of the precious metals (together, “Metals ETC Prospectuses”);
 - ii. the carbon securities ETCs under the terms in the base prospectus approved by the UK Financial Conduct Authority (“FCA”) and the relevant final terms of the carbon securities (together, “FCA Carbon ETC Prospectus”); and
 - iii. the carbon securities ETCs under the terms in the base prospectus approved by the Central Bank of Ireland (“CBI”) and the final terms of the carbon securities (together, “CBI Carbon ETC Prospectus”).

Investors should read the latest versions of the relevant ETC prospectus before investing and should refer to the section of the relevant ETC prospectus entitled ‘Risk Factors’ for further details of risks associated with an investment in the ETCs. Any decision to invest should be based on the information contained in the relevant ETC prospectus.
3. ETC Issuance GmbH, a limited liability company incorporated under the laws of the Federal Republic of Germany, issuing under the terms in the Prospectus approved by the Bundesanstalt für Finanzdienstleistungsaufsicht (“BaFin”) and the final terms (“Cryptocurrency Prospectus”) is the issuer of the ETCM ETCs. Investors should read the latest version of the Cryptocurrency Prospectus before investing and should refer to the section of the Cryptocurrency Prospectus entitled ‘Risk Factors’ for further details of risks associated with an investment in the ETCs contained in the Cryptocurrency Prospectus. Any decision to invest should be based on the information contained in the Cryptocurrency Prospectus.

The ETF Prospectus, Metals ETC Prospectus, FCA Carbon ETC Prospectus, CBI Carbon ETC Prospectus and Cryptocurrency Prospectus can all be downloaded from www.hanetf.com.

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