

Monthly Cloud Technology Market Report

December 2021

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 30.11.21

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

Key Takeaways

- By 2025 >95% of new digital workloads deployed on Cloud, up from 30% in 2021. (Source www.datamation.com/cloud/cloud-computing-market-474b-2022/)
- Market growth of 16% expected in 2022 – hitting almost \$500bn. (www.datamation.com/cloud/cloud-computing-market-474b-2022/)
- Ongoing pandemic & surge in digital WFH - making cloud centrepiece of new digital experiences.¹
- Over 85% of enterprises to embrace Cloud by 2025. Can't fully execute their digital strategies without Cloud-native tech/platforms. (Source: www.datamation.com/cloud/cloud-computing-market-474b-2022/)
- Gartner forecasts end-user spending on public cloud services to reach \$396bn in 2021 and grow 21.7% in 2022. (Source: <https://www.gartner.com/en/newsroom/press-releases/2021-08-02-gartner-says-four-trends-are-shaping-the-future-of-public-cloud>)
- Best monthly performers – Extreme Networks (up 37.3%), Vonage (27.9%), Nvidia (27.8%), Arista Networks (21.1%), Pure Storage (15.3%), Beijing Sinnet Tech (12.4%), Apple (10.5%) and Zscaler (8.8%). (Source - Solactive)
- For 2021 largest contributors – includes Alphabet, Microsoft, Nvidia, Fortinet, Oracle, Dell, Datadog, Cisco, Palo Alto Networks, Intel and Vonage (see Table on next page).
- SKYY's 75 equal weighted 75 holdings – broadly reflect the Global Cloud industry with SaaS holdings (Software as a Service) now largest weighting followed by PaaS and IaaS. (Source - Solactive)
- Globally diversified - US exposure 72.3%, China 10.7%, Japan 4.3%, Israel 4.4% and Germany 2.5% (Source: HANetf November SKYY Fact Sheet).

Please note that all performance figures are showing net data. Past performance is not an indicator for future results and should not be the sole factor of consideration when selecting a product.

Macro Outlook

- Total Global Cloud computing market size is expected to reach \$1.3 trillion by 2028 - annualized growth rate (CAGR) of 19.1%.²
- Cloud's fast annualized growth – due to faster 5G and wireless services, allowing for wider adoption.³
- Multi-cloud (hybrid) platforms are helping more businesses scale up faster – including in heavily regulated areas such as US banks that were slow adopters (Wells Fargo and Morgan Stanley both signed large Cloud deals recently.)⁴

1 <https://indiadaily.com/technology/cloud-will-be-the-centrepiece-of-new-digital-experiences-gartner-business-journal/>

2 <https://www.globenewswire.com/news-release/2021/08/11/2278533/28124/en/Outlook-on-the-Cloud-Computing-Global-Market-to-2028-by-Service-Enterprise-Size-End-use-Deployment-and-Segment-Forecasts.html>

3 <https://www.sdxcentral.com/articles/news/5g-fixed-wireless-rides-pandemic-related-shift/2021/08/>

4 <https://www.wsj.com/articles/wells-fargo-embraces-multicloud-with-microsoft-google-deals-11631717100>

- Cloud security firms are benefiting from increased spending in response to the growing number of hacking and cybersecurity attacks.⁵
- IaaS segment likely to enjoy highest CAGR over next few years - increased adoption of multi-cloud/hybrid benefits, adds scalability and fast data accessibility.⁶
- Small & Medium Enterprises (SMEs) to emerge as fastest-growing area through 2028 - high demand due to lower IT hardware and software costs.⁷
- Public clouds expected to grow more dominant – leaders Amazon Web Services, Microsoft Azure, and Google cementing dominance.⁸
- Enterprise cloud spending, both public and private, increased 34.4% from a year previous, while non-cloud IT spending declined by eight percent. (Source: <https://www.infoworld.com/article/3601731/7-predictions-for-cloud-computing-in-2021.html>)
- Revenue growth to remain explosive through mid-decade, according to Deloitte's projections, never dipping below 30 percent annually. Global cloud spending will grow seven times faster than overall IT spending through this period. IDC forecasts that worldwide spending on public cloud services and infrastructure will nearly double, to around \$500 billion, by 2023. (Source: <https://www.infoworld.com/article/3601731/7-predictions-for-cloud-computing-in-2021.html>)

For 2021, leading contributors for our cloud computing ETF are shown below.

Holdings	% Average Weight	Total Return (%)	Contribution to Return (%)
NVIDIA CORP	2.37	150.48	2.08
ALPHABET INC-CL A	2.49	61.92	1.53
FORTINET INC	2.11	72.21	1.25
ORACLE CORP	2.24	42.41	1.08
MICROSOFT CORP	2.29	49.88	1.04
INTEL CORP	2.47	1.28	0.93
ZSCALER INC	1.51	73.74	0.89
DATADOG INC - CLASS A	1.85	65.45	0.86
DELL TECHNOLOGIES -C	1.66	52.31	0.84
CISCO SYSTEMS INC	2.27	26.14	0.83
VONAGE HOLDINGS	1.06	60.16	0.77
PALO ALTO NETWORKS	2.10	53.90	0.75
PURE STORAGE CLASS A	1.19	36.97	0.73

For illustrative purposes only. Please note that all performance figures are showing net data.

5 <https://cybersecurityventures.com/cybersecurity-market-report/>

6 <https://www.globenewswire.com/news-release/2021/08/11/2278533/28124/en/Outlook-on-the-Cloud-Computing-Global-Market-to-2028-by-Service-Enterprise-Size-End-use-Deployment-and-Segment-Forecasts.html>

7 <https://www.globenewswire.com/news-release/2021/08/11/2278533/28124/en/Outlook-on-the-Cloud-Computing-Global-Market-to-2028-by-Service-Enterprise-Size-End-use-Deployment-and-Segment-Forecasts.html>

88 <https://www.zdnet.com/article/the-top-cloud-providers-of-2021-aws-microsoft-azure-google-cloud-hybrid-saas/>

HAN-GINS Cloud Technology UCITS ETF – Performance

As of 30.11.21

	1M	3M	6M	YTD	12M	2Y	3Y	SI
HAN-GINS Cloud Tech UCITS ETF	-1.77%	-2.99%	1.17%	9.35%	14.00%	45.94%	79.68%	67.96%
<i>Solactive Cloud Technology Index (NTR)</i>	<i>-1.77%</i>	<i>-2.90%</i>	<i>1.40%</i>	<i>9.85%</i>	<i>14.58%</i>	<i>47.50%</i>	<i>82.57%</i>	<i>58.31%</i>

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. Source: Bloomberg / HANetf. Data as of 30/11/2021. **Please note that all performance figures are showing net data. Past performance is not an indicator for future results and should not be the sole factor of consideration when selecting a product.**

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.

Important Information

Please note that all performance figures are showing net data.

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