

Build hallucination-free semantic search applications with OriginTrail and Milvus

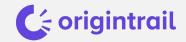
Branimir Rakic, founder and CTO of Trace Labs

Upcoming Events

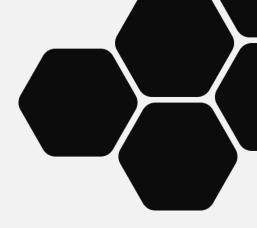




zilliz.com/event







Hallucination-free semantic search applications with OriginTrail and Milvus

Sept 7th 2023

origintrail.io

@origin_trail

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'The Godfather of A.I.' Leaves Google and Warns of Danger Ahead

For half a century, Geoffrey Hinton nurtured the technology at the heart of chatbots like ChatGPT.

Now he worries it will cause serious harm.



A lawyer used ChatGPT to do "legal research" and cited a number of nonexistent cases in a filing, and is now in a lot of trouble with the judge



- As the use of generative artificial intelligence has evolved within law firms, your affiant
 consulted the artificial intelligence website Chat GPT in order to supplement the legal research
 performed.
- 7. It was in consultation with the generative artificial intelligence website Chat GPT, that your affiant did locate and cite the following cases in the affirmation in opposition submitted, which this Court has found to be nonexistent:

Case 1:22-cv-01461-PKC Document 32-1 Filed 05/25/23 Page 2 of 6

<u>Varghese v. China Southern Airlines Co Ltd.</u> 925 F.3d 1339 (11th Cir. 2019) <u>Shaboon v. Egyptair</u> 2013 IL App (1st) 111279-U (III. App. Ct. 2013) <u>Petersen v. Iran Air</u> 905 F. Supp 2d 121 (D.D.C. 2012) <u>Martinez v. Delta Airlines, Inc.</u>, 2019 WL 4639462 (Tex. App. Sept. 25, 2019)

Estate of Durden v. KLM Royal Dutch Airlines, 2017 WL 2418825 (Ga. Ct. App. June 5, 2017)

Miller v. United Airlines, Inc., 174 F.3d 366 (2d Cir. 1999)

6:02 AM · May 27, 2023 · 5M Views

5.381 Retweets **1.341** Ouotes **30.9K** Likes **2.539** Bookmarks

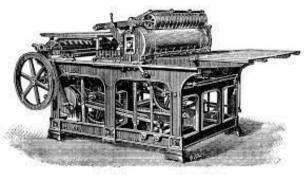


In an overflow of misinformation, trusted data becomes the cornerstone of humanity's security and prosperity.



Knowledge Revolutions

Scarcity Fragmentation Trust





Replication Connectivity Decentralized Al

Knowledge is a new asset class.



Leading global companies' share knowledge assets via OriginTrail



Trusted factory

BSI and SCAN are utilizing the OriginTrail to share security audits for over 40% of US imports as OriginTrail knowledge assets.



Rail Travel Safety

Ensuring the safety of train travel by tracking every piece of rail track material used by the Swiss Federal Railways with knowledge assets.

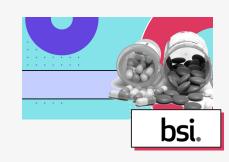
Food and Beverage Traceability

A "transparency-by-design" traceability solution ensuring brand's core consumer promise for a start-up Irish Distillery.



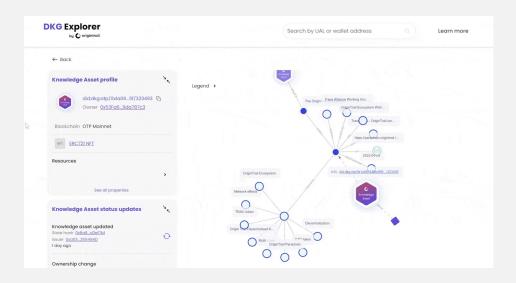
Pharmaceuticals

Making sure patients receive the right treatment is crucial for the global healthcare system. We help achieve that and are proud to be supported by the World Economic Forum along the way.



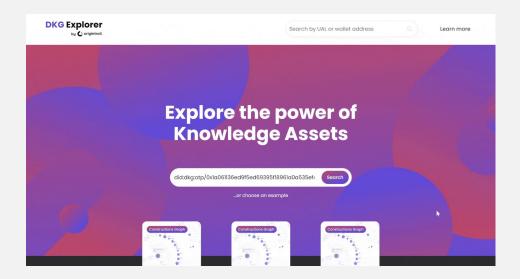


Create and **own** knowledge with a unique NFT.



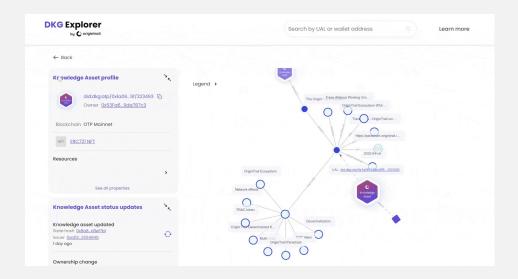


Discover knowledge in a public, decentralized index.





Verify knowledge via tamper proof blockchain proofs.





Build trusted AI systems with trusted knowledge

OriginTrail synergizes

blockchains and knowledge graphs

Knowledge Asset Applications

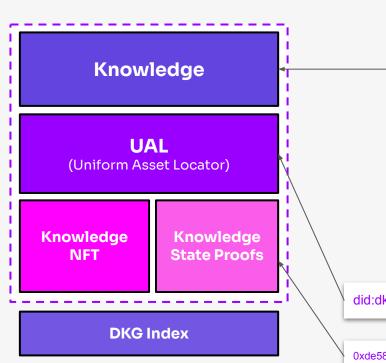
OriginTrail Layer 2:
Decentralized Knowledge Graph

OriginTrail Layer 1:

Multi-chain consensus (Blockchains)

- Multi-chain Decentralized Knowledge Graph (DKG)
- Based on standards (W3C, ERC, GS1)
- UALs (Uniform Asset Locators) as standardized decentralized identifiers
- Knowledge Creation incentives via OriginTrail Parachain Token (OTP) for publishers and infrastructure runners
- Use cases include search & discovery engines, QA systems, knowledge marketplaces, aggregation, multi-party verification etc

Knowledge Assets: Example

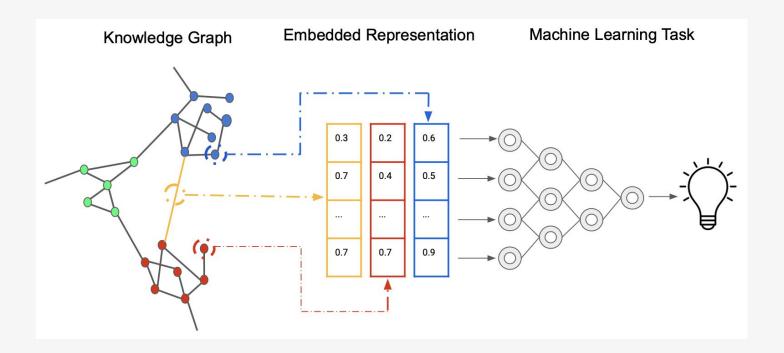


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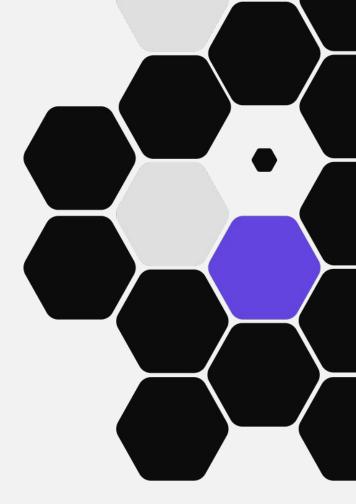
Symbolic & Neural approach combination



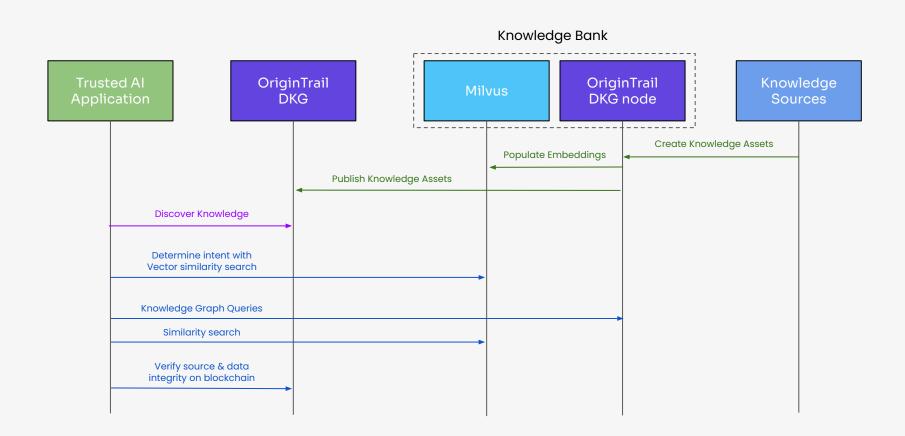


Example Knowledge Asset Application:

Extractive Question Answering based on Milvus and OriginTrail



Example Q&A application architecture





Trusted AI with OriginTrail:

Join the fight against misinformation and participate in <a href="Image: 1mm] Imillion TRAC grants



chatdkg.ai

Is there a way to prevent AI hallucinations?







Knowledge is power. Knowledge shared is power multiplied.

origintrail.io chatdkg.ai

