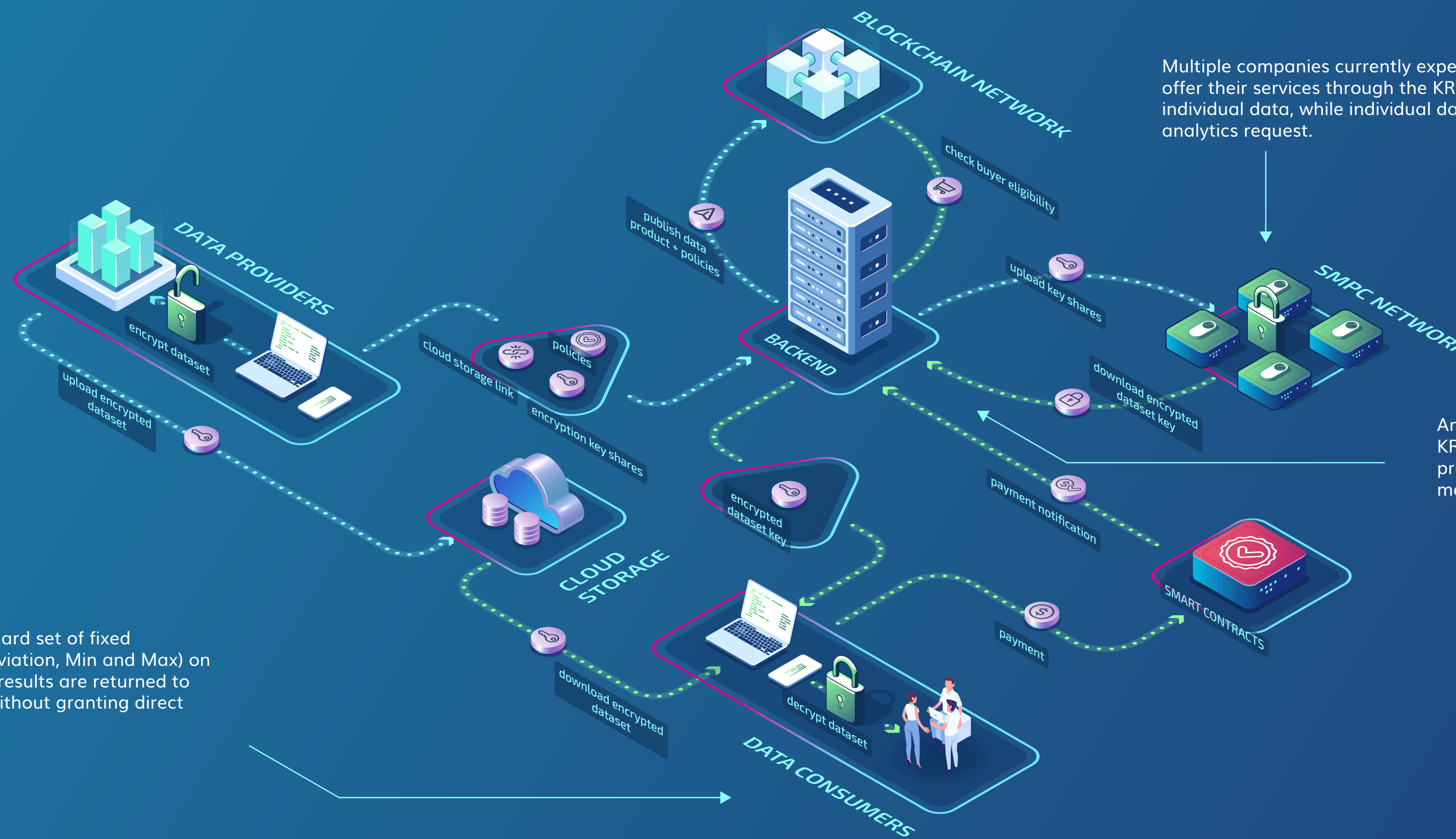# KRAKEN

Use case 4
DATA ANALYTICS AS A SERVICE (DAaaS)

KRAKEN platform enables distributed analytics as an additional service, based on SMPC

Multiple companies currently experimenting with these techniques will be able to offer their services through the KRAKEN platform, leveraging the availability of individual data, while individual data owners will be remunerated for each analytics request.

Analytics service providers will be able to leverage KRAKEN in two different ways for two different processes: refinement of analytics services and marketing of analytics as a service.

Data consumers will be able to pay for standard set of fixed analytics queries (e.g., Average, Standard deviation, Min and Max) on the data advertised in the marketplace. The results are returned to the consumer when payment is confirmed, without granting direct access to the data

BLOCKCHAIN NETWORK

SMPC NETWORK

DATA PROVIDERS

BACKEND

CLOUD STORAGE

SMART CONTRACTS

DATA CONSUMERS

encrypt dataset

upload encrypted dataset

cloud storage link

policies

encryption key shares

publish data product + policies

check buyer eligibility

upload key shares

download encrypted dataset key

payment notification

encrypted dataset key

payment

download encrypted dataset

decrypt dataset

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