- 1 Difference between OLAP and OLTP production of place
- => Online analytical processing (OLAP) and Online transaction

 Procesing System are data processing systems that

 help your store and Internal Systems, and analyze business
 data.
- The primary purpose of online analytical is to analyze in aggregated data, while the primary purpose of online transaction processing is to process database transactions
- -> We use OLAP systems to generate reports, perform comple data analysis, and identify trends. In contrast, we use OLTP systems to process orders, update inventory, and manage customer accounts.
- data-architecture, performance and requirements

Differences *

1) Data formatting mant proving at the some programs

olap systems use multidimensional data models, so conview the same data from different angles. Olap database store data in a cube format, where each dimension represents a different data attribute. Each cell represent a value or measure for intersection of dimension. In constrast, OLTP Systems are uni-dimensional and focus on one data aspect. They use a relational database to organize data into tables each now represent an entity inste

policing sa dalgogre.

1i) Data Architecture providices data read over data mice oberations, I am latte Bernson Penjaling

Desire they system and alota proceeding systems there OLTP database architecture prioritizes datas write operations-

iii) bestormance, monthine partie so redend becomist on & OLAP processing times can vary from minutes to hours depending on type and volume of data being analyzed. To updates an olap database, you periodically process da La in large barches money of smolete and son son do to and Hysias, and identify the adds. In contrast, we

OLTP, we measure OLTP processing Limes in millis econds or le OLTP datobases manage database updates in real-time.

Example différence: OLAP vo ou 1 pour de la la como de let's us consider a large netail company that operates bundreds of stores orross the country. The company has a W. Bruss Hil massive so database.

The company uses OLTP to process hansachions in real time update inventury levels and manage customer accounts. of affine the take they must east out to see the

In addition, company uses OLAP to analyze data collecte by OLTP. They perform complex quesies on large volumes of historical data to identify patterns and trends In constitution the systems are the design in the

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argening data into landing them was a present on the

CS CamScanner

Occessibility, and retained.

A data worehouse is a type of database that integrates copies of transaction data from disparate source systems

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	Mar Millian Datawasehouse
then soldion pincono a	to process calaboration
i) focused on transactional processing	i) Primillily focused for analytical
databases are optimised for	processing, Data was chouses
rapid and frequent data,	handle complex queries.
retrieval: In walling to process	Condens, chrest, have
for the manage of the lates	ACT CIDITERS
i) Emphaises real-time data	i) optimised for guery performan
access and transactional	and analytical processing,
processing.	
iii) Shuctured in tables with	iii) organized award Specific
predefined schemas:	bygines subjects.
De Note La La marcha de la constante de la con	
iv) stores current and transactional	iv) stores historical data, allow.
dota.	for analysing trends and chang
The second of th	over time.
v) 1 It adheres to ACID properties	
the state of the s	consistency, the may not smittly
of transactions.	adhere to ACID properties.