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Designing a distributed system for a Global ecommune plat form

-> we need a system to handle millions of unry, transaction, and inventory updats across the world

1 Choosing the right Distributed system Architectur

For such e-commerce system, a client-server architecture with microscovics.

Reason:

client-server: client send aguest, to server whize procus them and return outpour

Microservice: Instand of one large application.

different services hand specific.

trusts, this improve scalability and fourt tolerance

(B) Achieving Scalability, transpersent and Relibility

scalability => * load balancy * pate been sharry

or cloud infoustance in

Tourspassing => a location, tourspassing & Replication, tourspassing & Middewon

Reliability => * Redunday (W.F. + back up some) * Data ouplication & Frentul Consisty + pety 4 failour Mechas @ Hood win and softwar Componers Horsdure > + Multiple Dates cum a CON (for faster accus) Softwar => +Data bon chon - sal (for bansach) - NOSQL Cfor produkts) * (a chy (Redu) * Herry am (Kafker) 1 Pole of middle war. Commanum -> API Gatung - Struck Discovery - Security & Auth -> DATA town formation.