# - Content Delivery Distribution Network

Networks of servers obstation ted accords multiple guagna phic locations used to deliver web based content to users more effectively.

Improvement goods: scalability, security and reliability.

- Couteut delivery infrastructure: delivers couteut no clients via eage servers.
  - neguest nouting inf: directing content uguest from client to sunnoyate (edge server)
  - Content Destribution inf. i moving / replicating content from content source to sumogentes.
  - Accounting info: logging and upporting of distribution and delivery activities.

## L, CDN for vod and studening

Tuse have strict requirement, no sunnagates become content acquires, cache nodes, edge streamers.

## 4 Onigin Servers

Organized modia on stonage, authorize acquiren and packaged content. These can be replicated and can have a structure (security, salability).

must be flexible, resilient and secure.

#### Li Routing Service

Request redirection model:

- HTTP-based were involved, where service nowler nurolues domain to its own IP addum.
- \_ DNS- based redirection, where service nowtern resolves domain to IP addum of streamers.

#### 4 Albemative CDN Couleut Distribution

- Content classification: content monagen assenses content popularity and answers content distribution, where popularity and answers content distribution, where popularity content is purpositioned at edge, less popular content is purpositioned at edge, less popular content is dynamically cached from central site and unpopular content is off-looded directly to on: sin.
  - Peen no peen: content can be cached anywhere, appropriate in fully meshed topologies.