Data Centric Systems and Networking: Wrapup
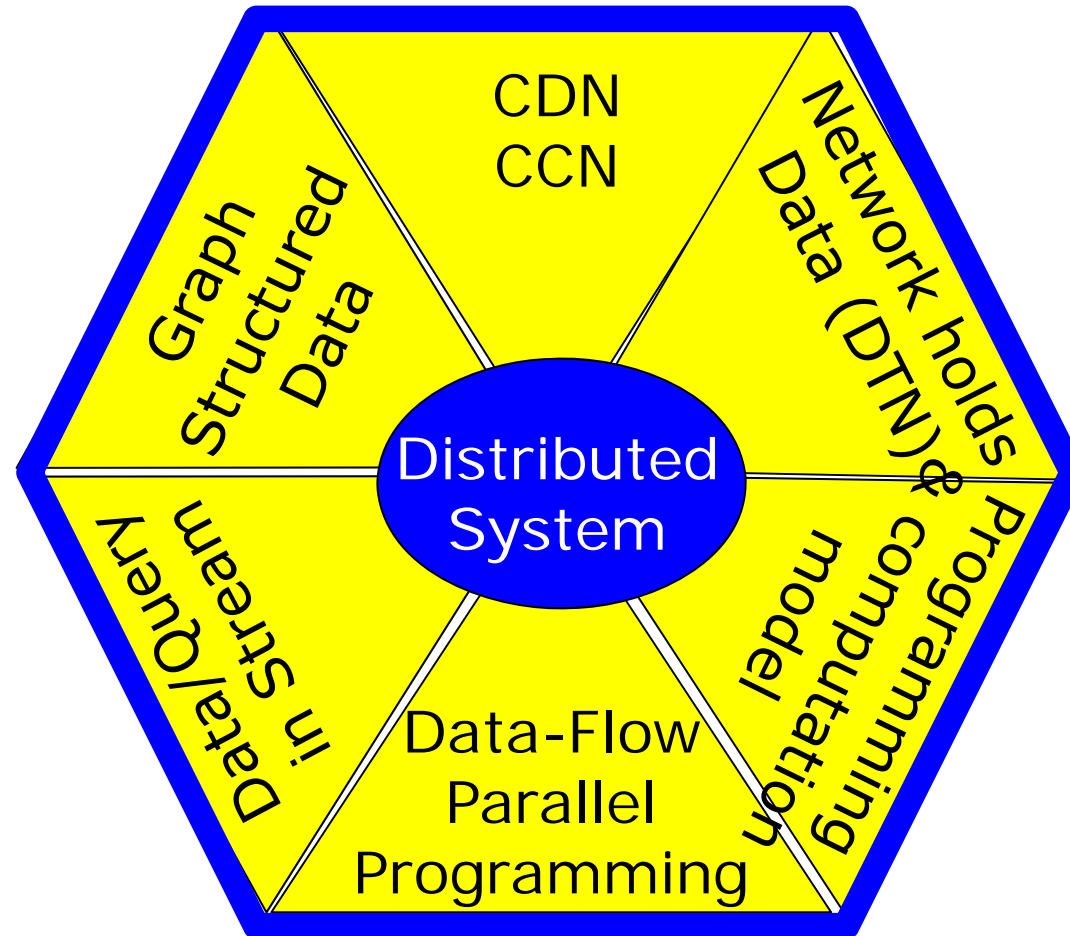
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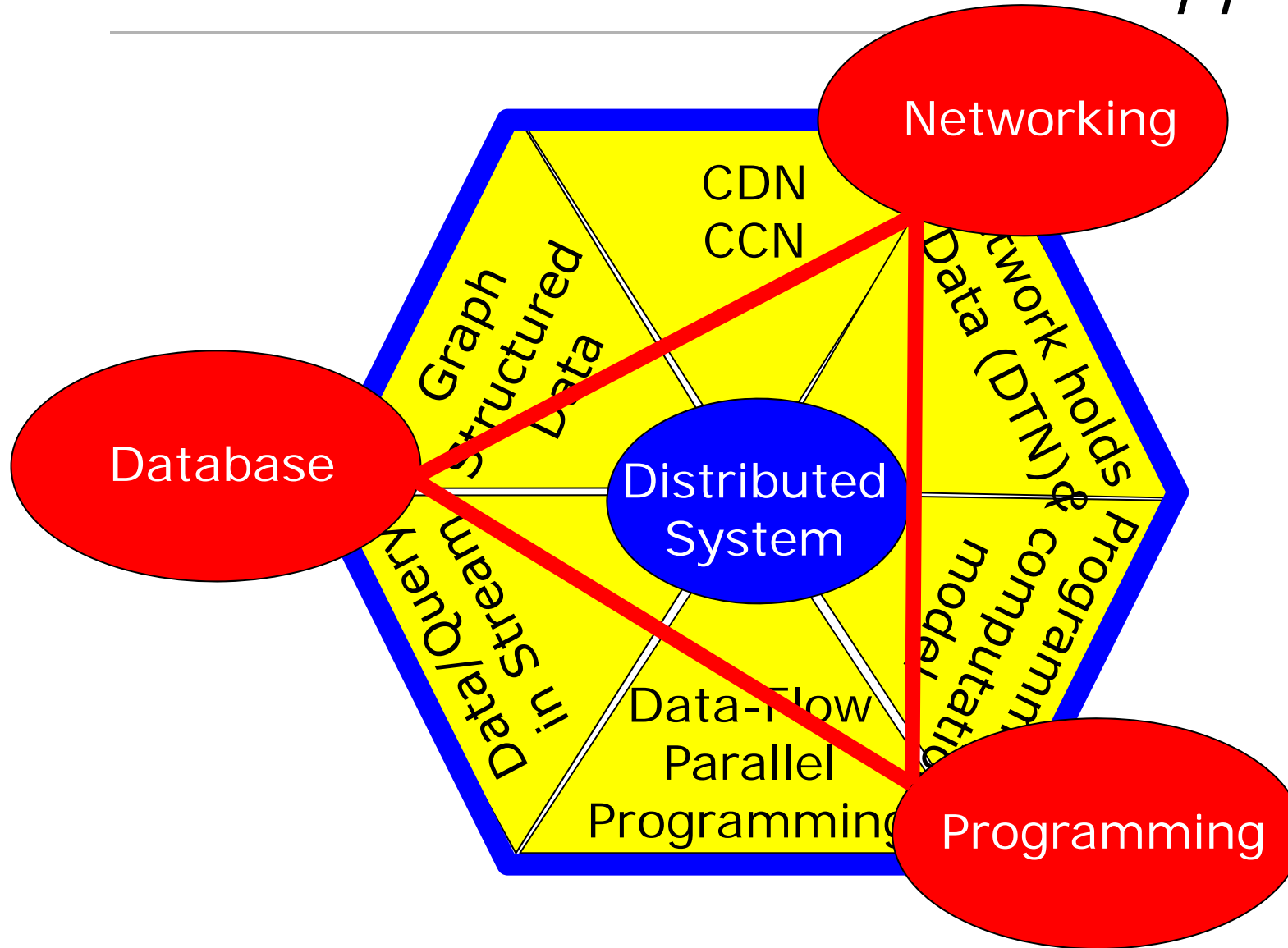
Different Faces of Data Centric Approaches

CDN
CCN

Network holds Data (DTN) & computation model

Graph Structured Data

Distributed System

Data/Query in Stream

Data-Flow Parallel Programming

Programming model

Different Faces of Data Centric Approaches

Big Data: Technologies

- **Distributed infrastructure or MC/HPC**
  - Cloud (e.g. Infrastructure as a service)
- **Storage**
  - Distributed storage (e.g. Amazon S3)
  - HDFS, GFS, Dynamo - HBase, BigTable
- **Data model/indexing**
  - High-performance schema-free database (e.g. NoSQL DB)
- **Programming Model**
  - Distributed processing (e.g. MapReduce, Pregel (BSP))
- **Operations on big data**
  - Analytics – Realtime Analytics

Data Centric Networking

- Which session's topic did you enjoy the most?

- What topic do you want to explore if you go on research work?

- What do your future vision of data centric systems and networking?

Data Centric Networking

- That's all!

- Thanks for working hard in this course!

- Do not forget 2 more reports !