INFORMATION VALUE CHAIN

SYSTEM ORCHESTRATOR

DATA PROVIDER

BIG DATA APPLICATION

SW

DATA

| Collection | Preparation/ Curation | Analytics | Visualization | Access |

DATA CONSUMER

SW

DATA

SW

DATA

BIG DATA FRAMEWORK PROVIDER

Messaging/Communications

Processing: Computing and Analytic

Batch   Interactive   Streaming

Platforms: Data Organization and Distribution

Indexed Storage

File Systems

Infrastructures: Networking, Computing, Storage

Virtual Resources

Physical Resources

Resource Management

Security and Privacy

Management

IT VALUE CHAIN

KEY:

DATA — **Big Data Information Flow**

→ **Service Use**

SW — **Software Tools and Algorithms Transfer**