Apache KAFKA

Next Generation Pub-Sub Messaging System

— **Avadhut**

About Me

- **I'm Avadhut!**

- **Working as Senior Integration Engineer**

- **Worked with Kafka for quite a a bit**

- **Open-source enthusiast**

- **Active community member for few of the open-source projects**

- **Did full production deployments for couple of employers**
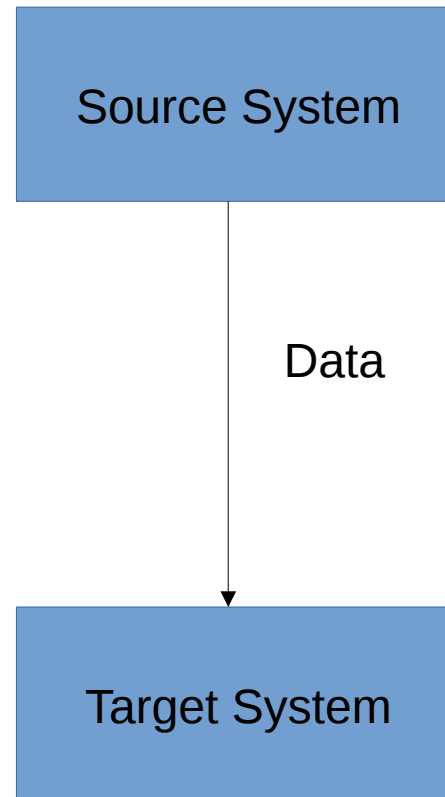
** You can find me on:

GitHub: https://github.com/kodtodya

GitLab: https://gitlab.com/kodtodya

LinkedIn: https://www.linkedin.com/in/kodtodya/

Twitter: https://twitter.com/kodtodya

Normal Situation

Source System

Data

Target System

As Simple as that !

Over the time period

| Source System | Source System | Source System | Source System |

Data

Data

Data

Data

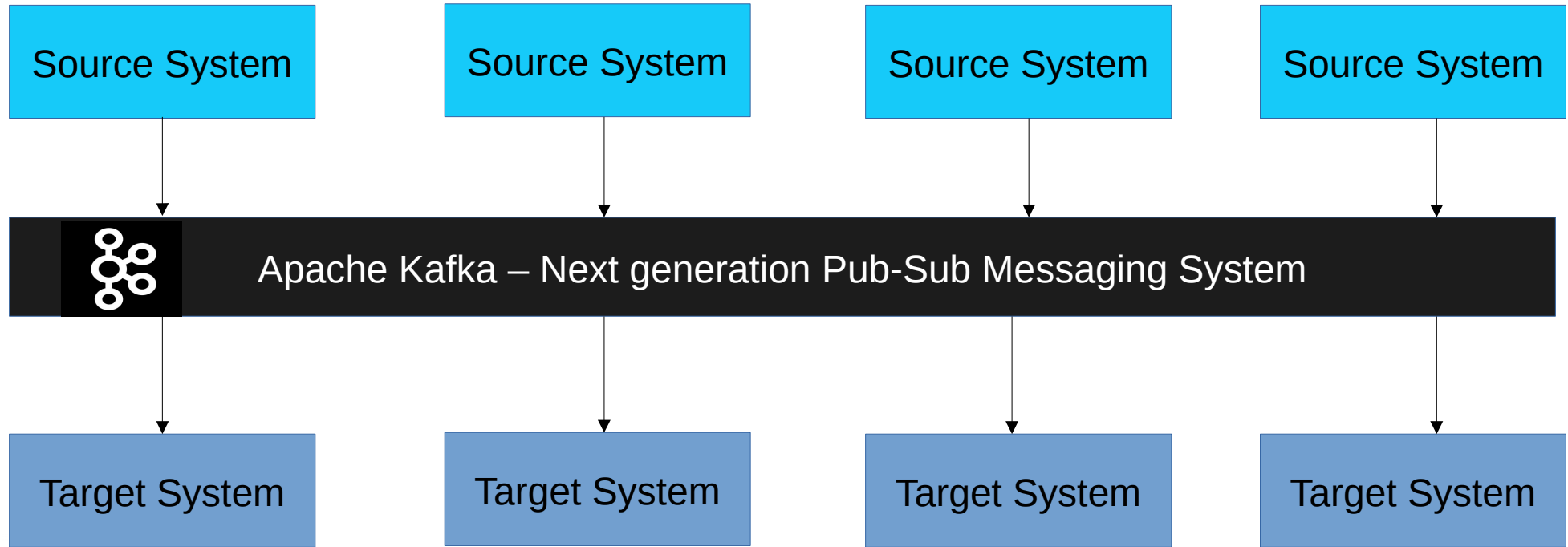| Target System | Target System | Target System | Target System |
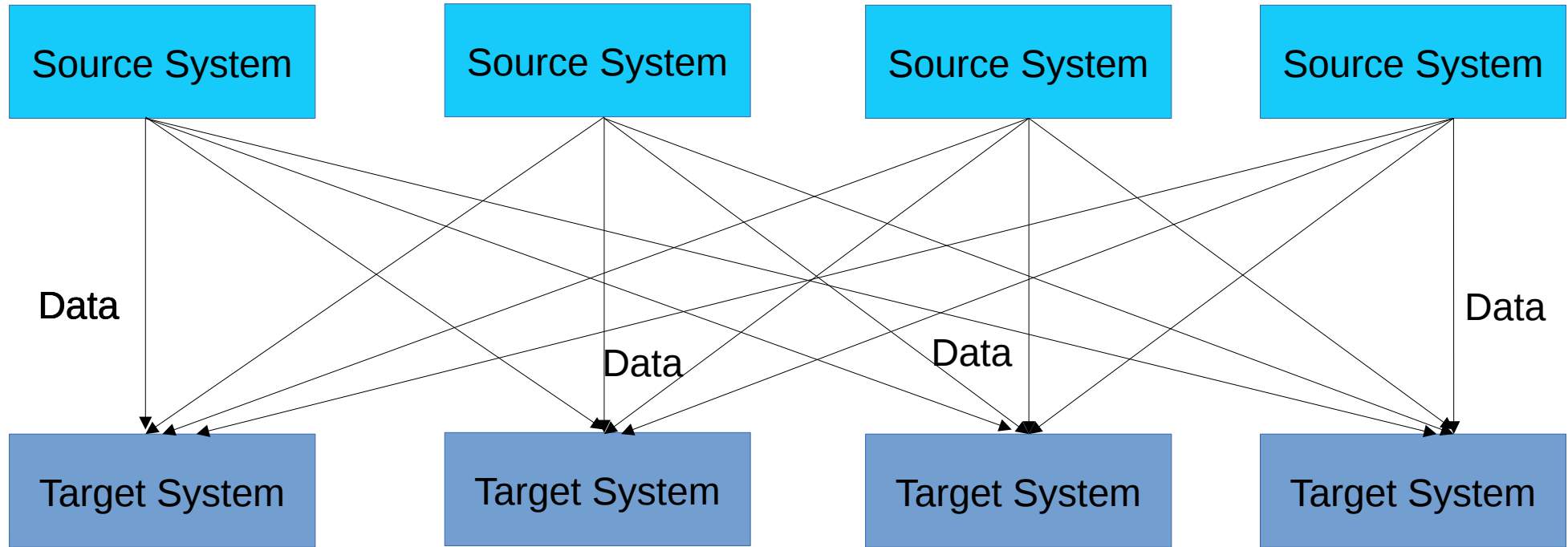
Actually Complicated to understand and even manage..

Problem

- **If you have 'N' source systems along 'N' number of target systems, you may end up with writing N*N integrations which is difficult handle and my create overhead for current systems**

- **Each integration has its own problems to deal with data**

  - Formatting and Enrichment – data parsing

  - Communication Rules – rules to communicate or protocol

  - Process to handle – how data is formatted and changed

Need to decouple everything..!!!

| Source System | Source System | Source System | Source System |

Apache Kafka – Next generation Pub-Sub Messaging System

| Target System | Target System | Target System | Target System |

Apache Kafka helps us here to arrange such integration in systematic way.

Questions?