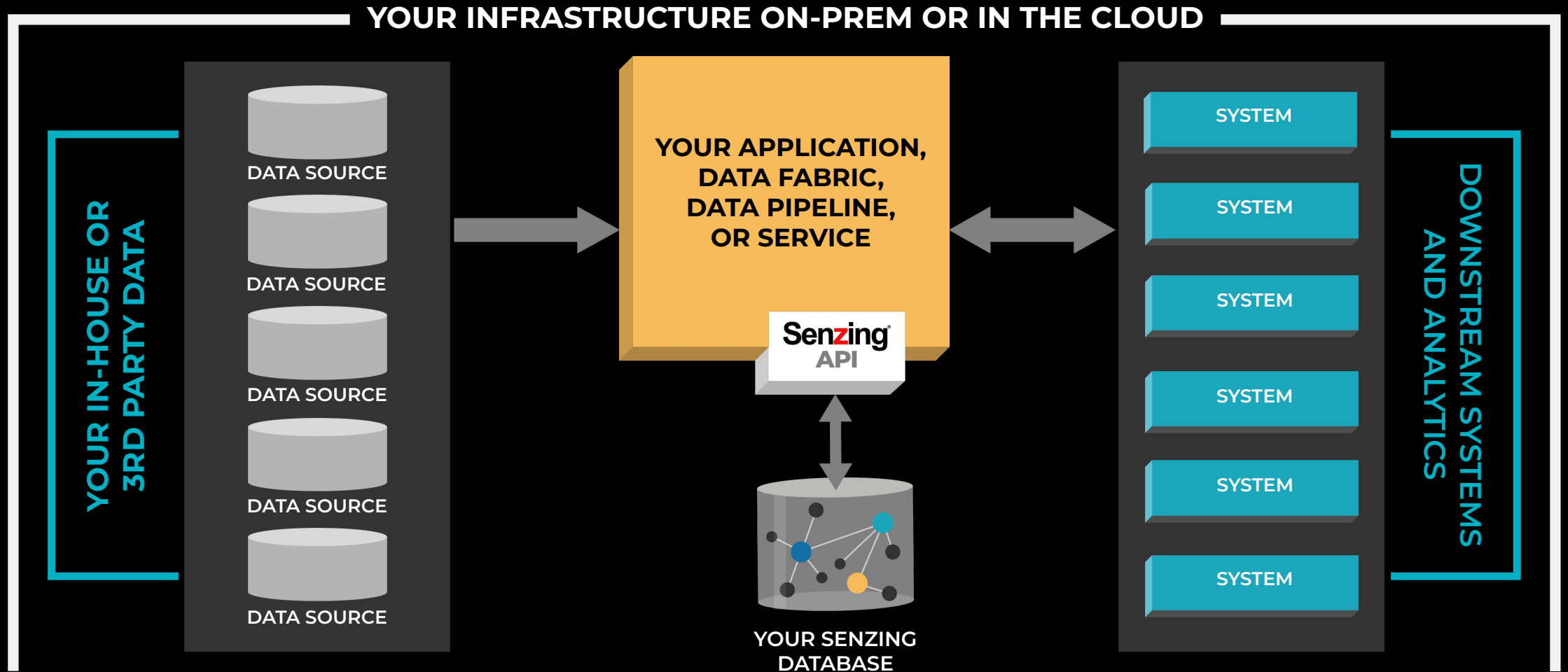




SENZING API ARCHITECTURE

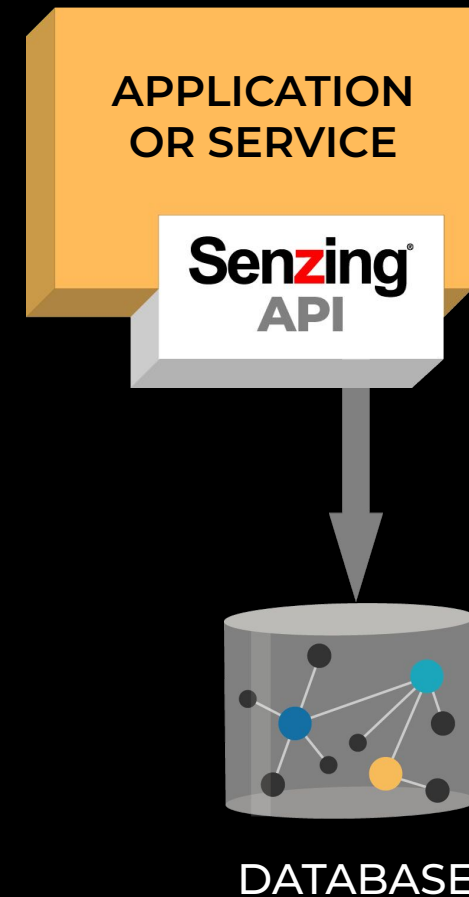
Senzing Solution Architecture



Basic Architecture

The Senzing API is a library that integrates into your business application or service. The library connects to a relational database repository.

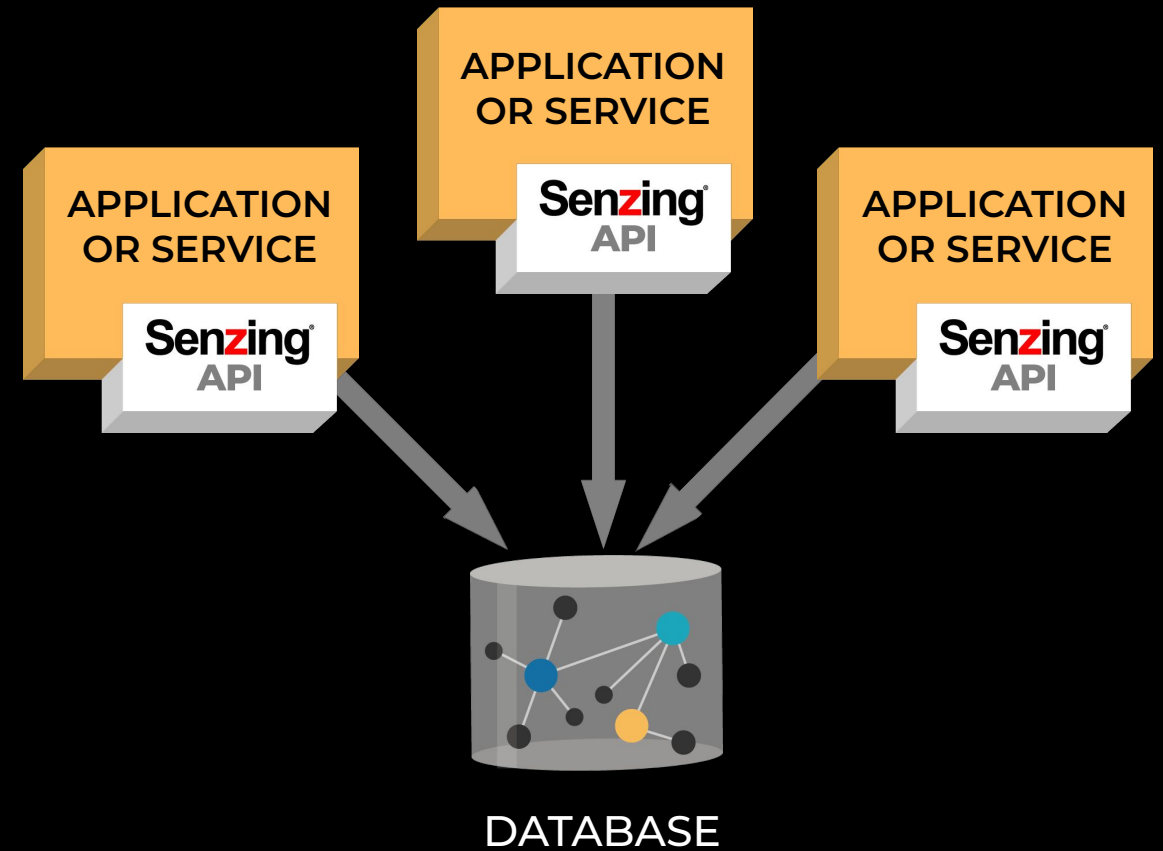
- Fits within your architecture, doesn't force one on you
- No moving parts
 - Single-node deployments can use an SQLite in-process database option
- API wrappers for Java and Python
- API configuration is stored as a JSON document and can be part of your DevOps process



Scaled Analytics

Applications and services can be horizontally scaled using the Senzing API. All of the API uses a shared-nothing architecture, except the database.

This allows for a cluster of application or service nodes to be brought up or down, based on business needs, with no additional Senzing configuration requirements.

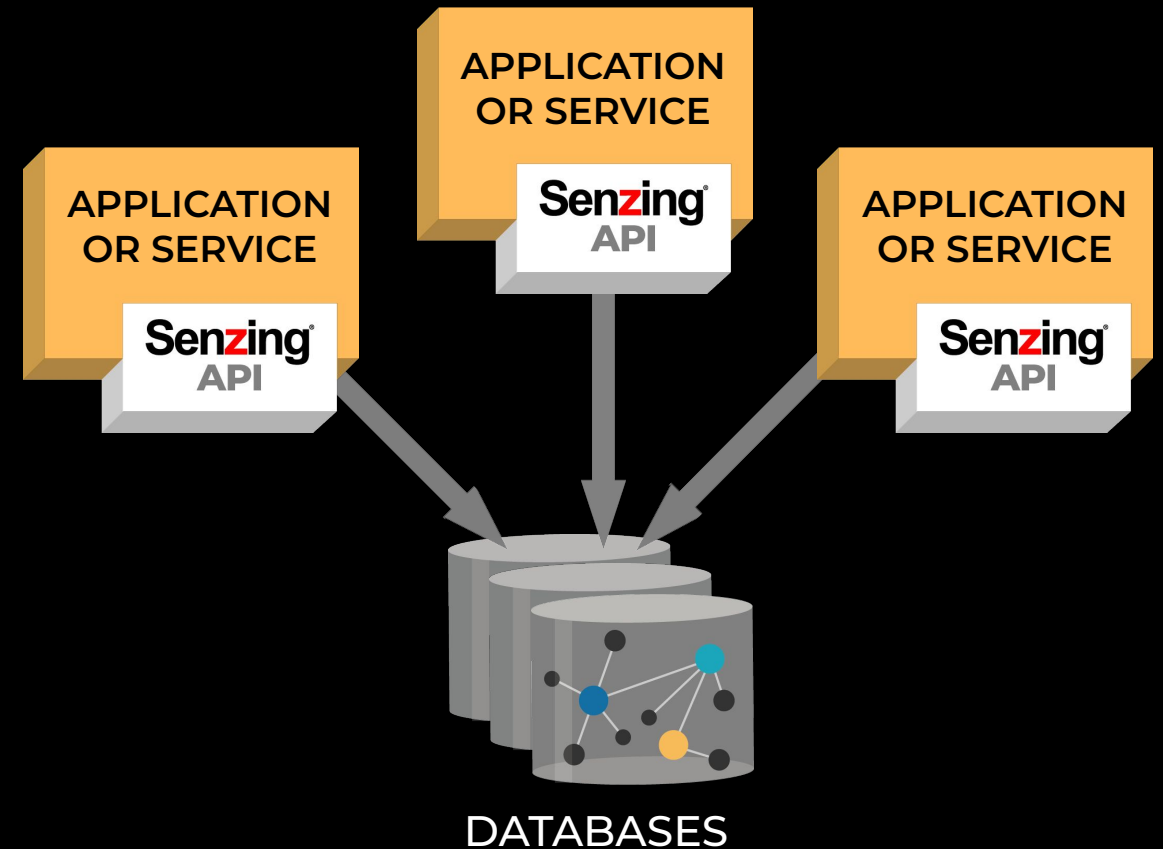


Clustered Databases

The Senzing API supports a horizontally clustered database architecture.

This allows for portions of the database to be placed on different database servers.

Some production environments are currently using up to five nodes.



High Availability and Disaster Recovery

The Senzing API uses a shared-nothing architecture, but the architecture of the repository makes high availability and disaster recovery (HA/DR) simpler.

The entire Senzing API state is replicated when an IT team replicates the database.

