

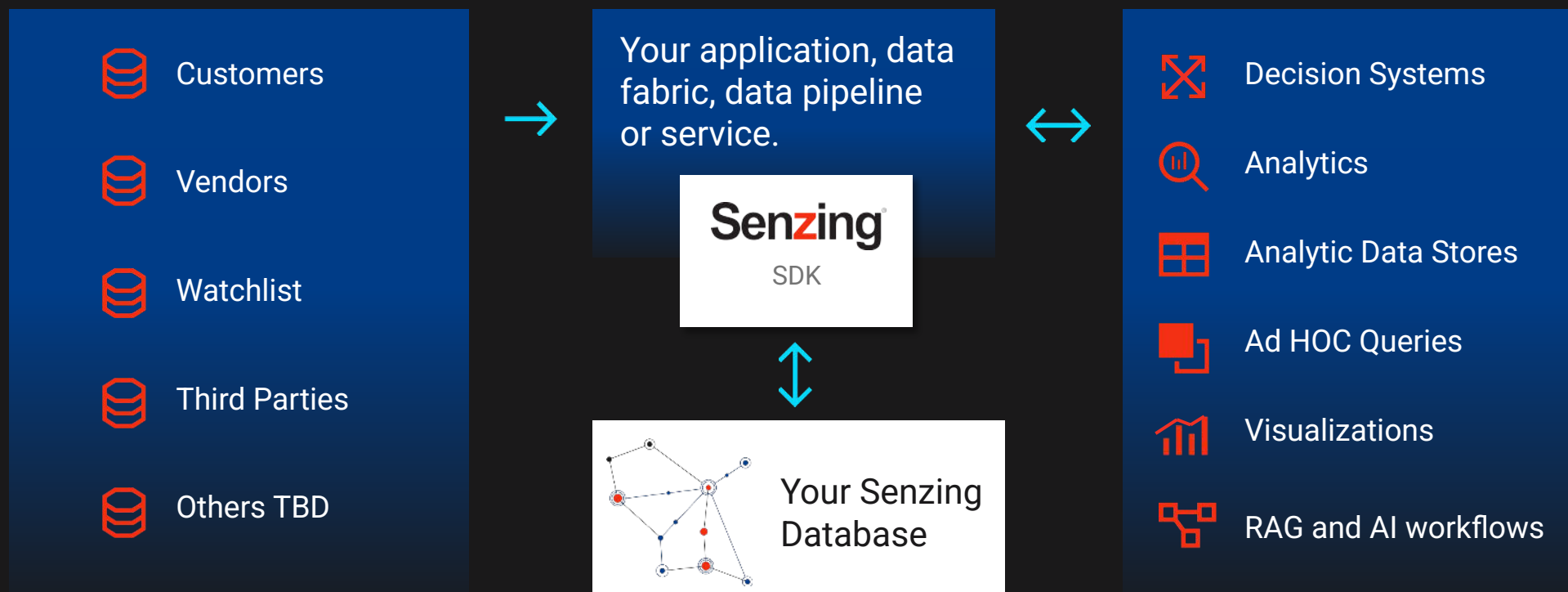
The left side of the image features a dark blue background. At the bottom, there is a white network diagram consisting of numerous nodes connected by lines. One node is highlighted with a red dot and concentric circles. The word "Senzing" is written in white, with the "z" in red.

Senzing

SENZING SDK ARCHITECTURE

Senzing Solution Architecture

YOUR INFRASTRUCTURE ON-PREM OR IN THE CLOUD

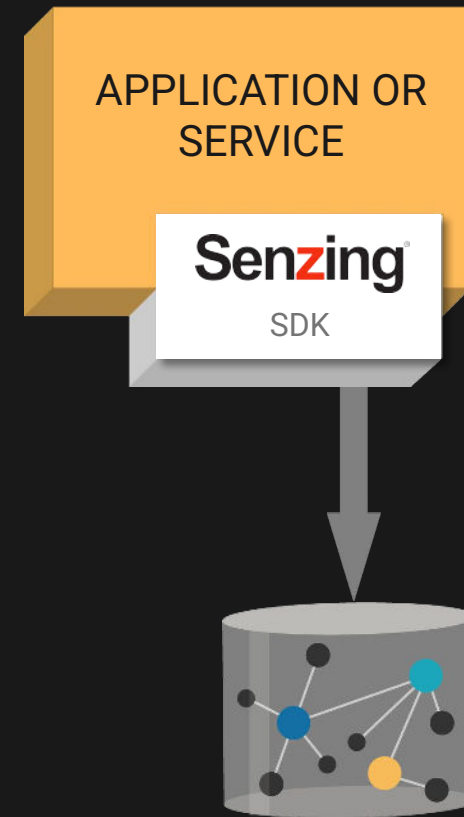


The Senzing SDK easily plugs into your application, data fabric, pipeline, or service.

Basic Architecture

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

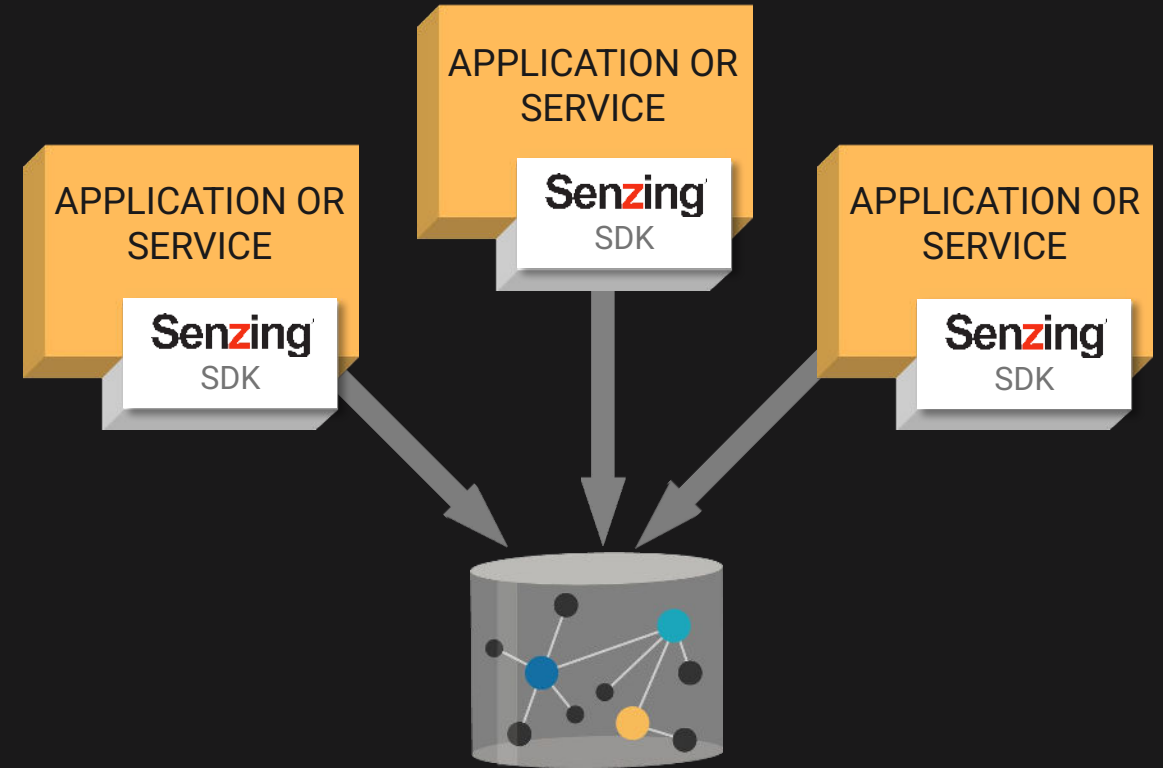
- Fits within your architecture, doesn't force one on you
- No moving parts
 - Single-node deployments can use an SQLite in-process database option
- SDK wrappers for Java, .NET and Python
- SDK configuration is stored as a JSON document and can be part of your DevOps process



Scaled Analytics

Applications and services can be horizontally scaled using the Senzing SDK. All of the SDK 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.

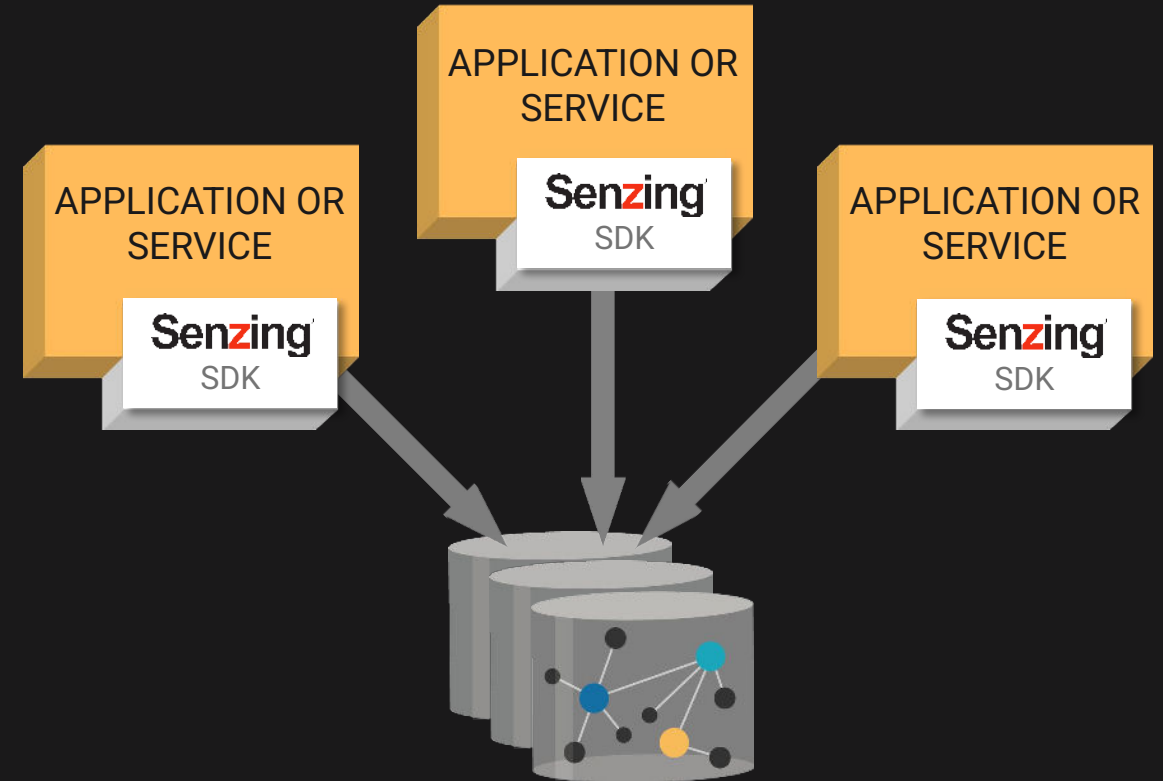


Clustered Databases

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

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

