

Open-Source Libraries FAQs

What are the open-source libraries and how will they help GDST stakeholders?

The open-source libraries are a software development kit (SDK) that will support developers with the transition to the requirements of the GDST 1.2 Standard and make it easier for solutions to become GDST-Capable. **These libraries will lower the learning curve and cost of development for both traceability solution providers and in-house traceability solutions.** Providing

What kind of resources do these libraries contain?

Currently, the following resources are available:

- Models – represent the logic used within software to define the relationship between data. The libraries include Event, Master Data, and Identity models that reflect the EPCIS and GS1 Core Business Vocabulary Standards.
- Mappers – tools used to convert different object models into a consistent data format. The libraries include mapping classes that will support mapping traceability data into and out of XML, JSON, and JSON-LD formats.
- Utility Code – general purpose code that can be easily integrated into other code bases to perform specific functions. The libraries include utility code for executing the communication protocol.

What programming languages are available?

The libraries are currently available in C# and Java. Additional languages may be added in the future based on demand.

How can I access the libraries?

Links to the libraries may be found within the [GDST Developer Documentation](#).