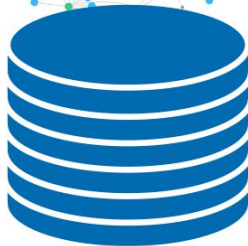# Going Meta #5: Ontology driven KG construction

Data Ingestion Pipeline Definition

Data Export (API Definition)

Ontologies are very graphy

```xml
<owl:Class rdf:about="&fibo-be-corp-corp;PrivatelyHeldCompany">
    <rdfs:label>privately held company</rdfs:label>
    <fibo-fnd-utl-av:synonym rdf:datatype="&xsd;string">closed corporation</fibo-fnd-utl-av:synonym>
    <fibo-fnd-utl-av:synonym rdf:datatype="&xsd;string">privately held corporation</fibo-fnd-utl-av:synonym>
    <skos:definition rdf:datatype="&xsd;string">A firm whose issued shares are all held by a family or a small
    group of investors and, therefore, cannot be bought by the public.</skos:definition>
    <rdfs:subClassOf rdf:resource="&fibo-be-le-cb;StockCorporation"/>
</owl:Class>

<owl:Class rdf:about="&fibo-be-le-cb;StockCorporation">
    <rdfs:subClassOf>
        <owl:Restriction>
            <owl:onProperty rdf:resource="&fibo-fnd-rel-rel;isGovernedBy"/>
            <owl:someValuesFrom rdf:resource="&fibo-be-corp-corp;BoardAgreement"/>
        </owl:Restriction>
    </rdfs:subClassOf>
    <rdfs:subClassOf>
        <owl:Restriction>
            <owl:onProperty rdf:resource="&fibo-fnd-aap-agt;isIdentifiedBy"/>
            <owl:onClass rdf:resource="&fibo-be-corp-corp;RegistrationIdentifier"/>
            <owl:qualifiedCardinality rdf:datatype="&xsd;nonNegativeInteger">1</owl:qualifiedCardinality>
        </owl:Restriction>
    </rdfs:subClassOf>
    <rdfs:subClassOf>
        <owl:Restriction>
            <owl:onProperty rdf:resource="&fibo-be-corp-corp;hasDateOfIncorporation"/>
            <owl:onClass rdf:resource="&fibo-fnd-dt-fd;Date"/>
            <owl:qualifiedCardinality rdf:datatype="&xsd;nonNegativeInteger">1</owl:qualifiedCardinality>
        </owl:Restriction>
    </rdfs:subClassOf>
    <rdfs:subClassOf>
```

https://spec.edmcouncil.org/fibo/