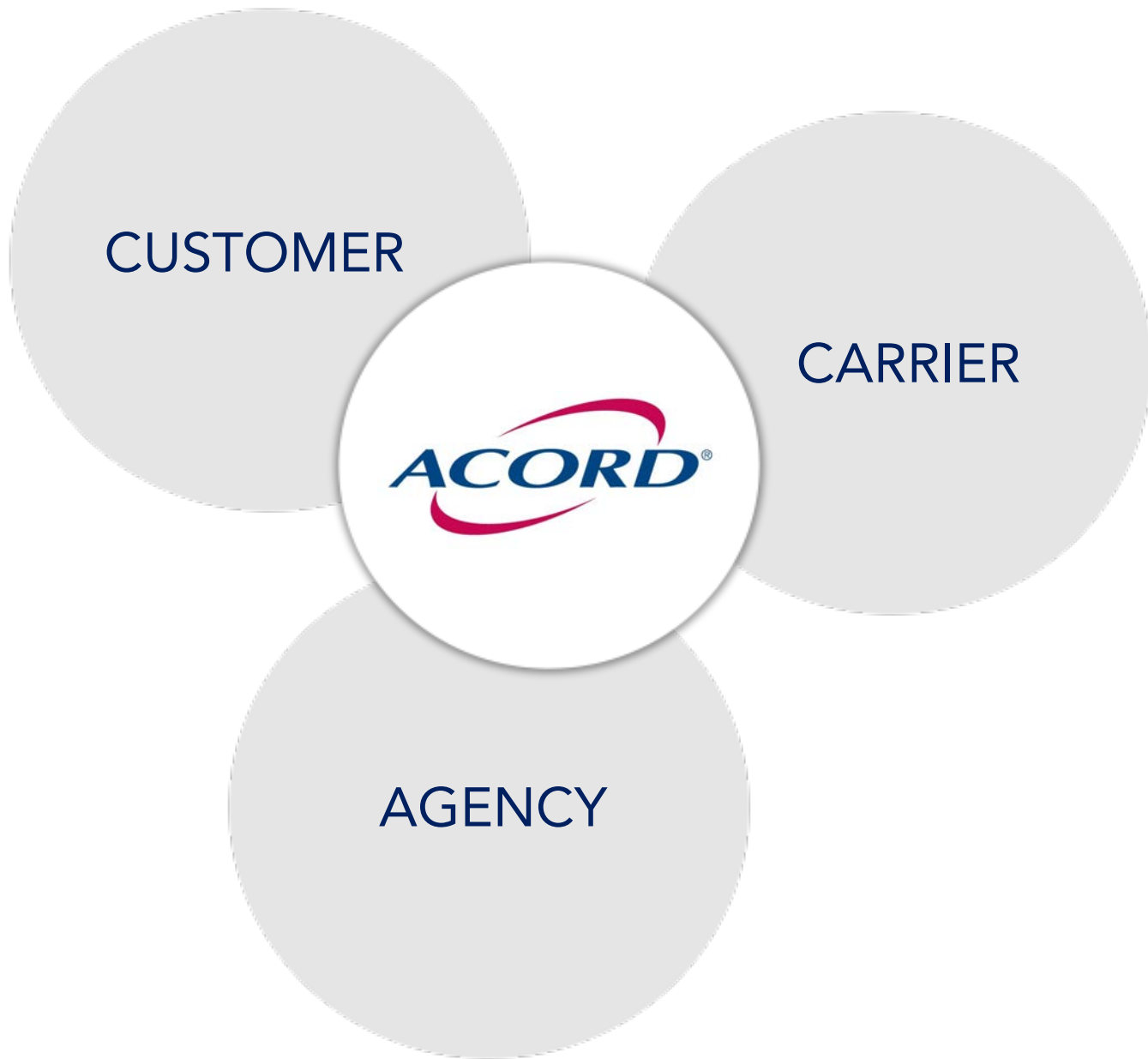




# **P&C XML 2.1**

Migrating from 1.X



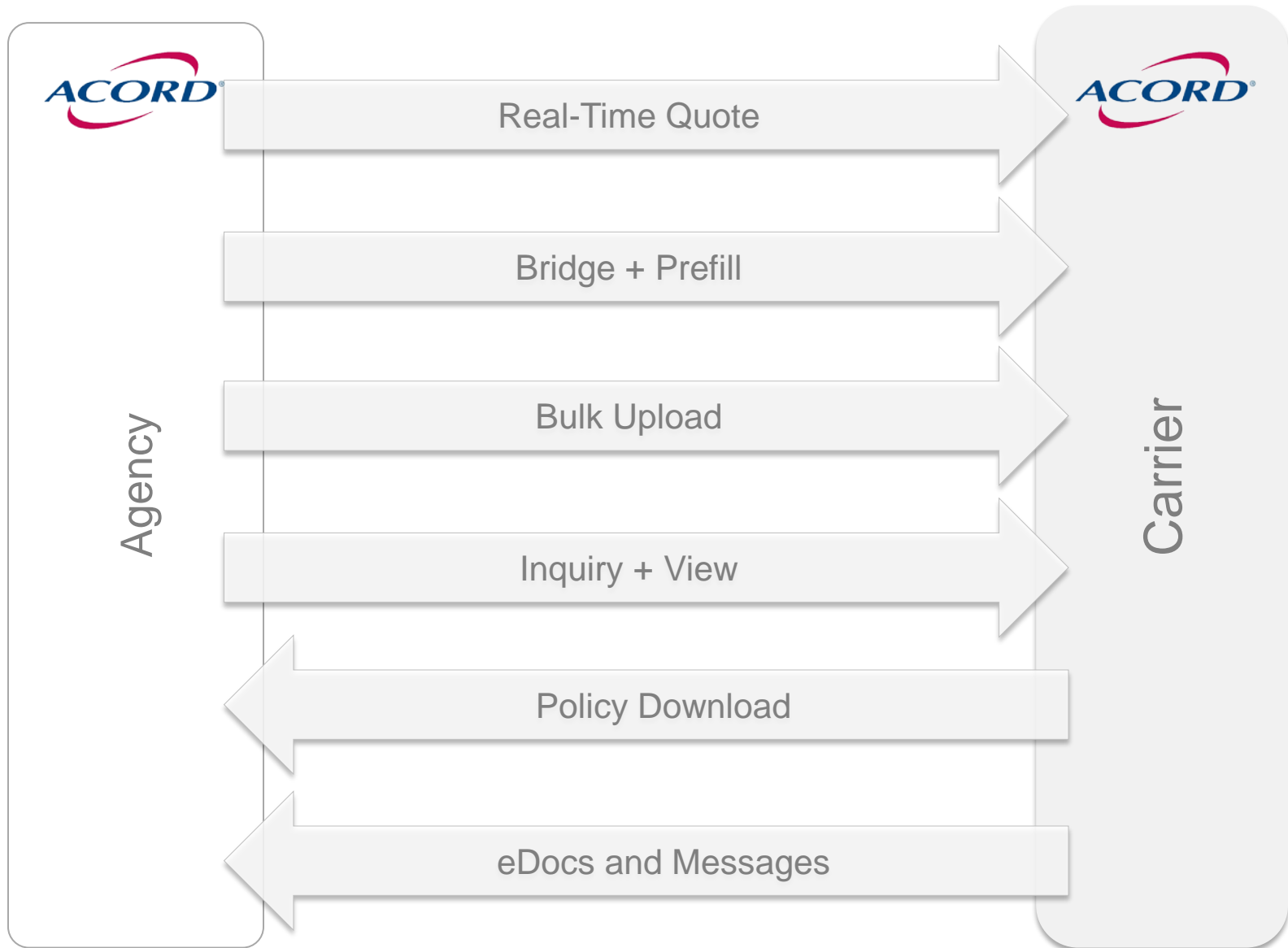
# Benefits

- Reduced size and complexity (42 to 9 MB)
- Common resource model (1109 - 292 - 49)
- Cross technology support (XML/JSON)
- Simpler extensibility (no more com.xxx\_)
- XML alternative to AL3 download
- REST / HATEOAS / HAL principals
- Over 30 years of investment (AL1 in 1983)

# Manifesto

- Preserve existing XPaths
- Retain messages in use today
- Reusable and easily extensible
- Leverage Transaction Specifications
- Improve standards documentation
- Simplify complex hierarchies

# 1.X Current Usage



# 2.0 Policy Message

<AircraftPolicy\*>  
<AirportFBOPolicy\*>  
<AviationPkgPolicy\*>  
<BoilerMachineryPolicy\*>  
<BOPPolicy\*>  
<CommlAutoPolicy\*>  
<CommlInlandMarinePolicy\*>  
<CommlPkgPolicy\*>  
<CommlPropertyPolicy\*>  
<CommlUmbrellaPolicy\*>  
<CrimePolicy\*>  
<CyberLiabilityPolicy\*>  
<DirectorsAndOfficersPolicy\*>  
<DwellFirePolicy\*>  
<EPLIPolicy\*>  
<ErrorsAndOmissionsPolicy\*>  
<FarmPolicy\*>  
<GeneralLiabilityPolicy\*>  
<HangarLiabilityPolicy\*>  
<HomePolicy\*>  
<PersAutoPolicy\*>  
<PersInlandMarinePolicy\*>  
<PersPkgPolicy\*>  
<PersUmbrellaPolicy\*>  
<WatercraftPolicy\*>  
<WorkCompPolicy\*>

**<PolicyRq|Rs|Notify>**

**<LOBCd>**

**<BusinessPurposeTypeCd>**

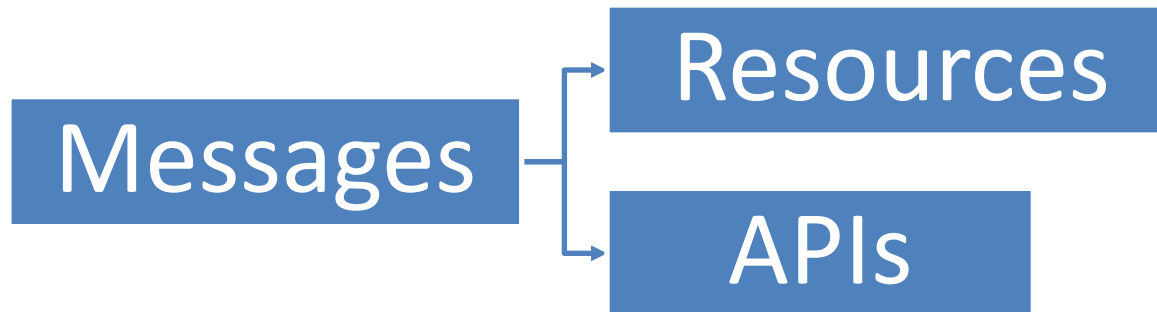
<*QuoteInq*>	"NBQ"
<*Add*>	"NBS"
<*Mod*>	"PCH"
<*Reissue*>	"RIX"
<*Renew*>	"RWL"
<*Reinstate*>	"REI"
<*Cancel*>	"XLN"
<*RateRequest*>	"RTQ"



# Why Resources?

# Approach

- RESTful design used for most web APIs
- The concept is to separate data into logical resources
- Utilize URI methods GET, DELETE, POST and PUT





# New Resources

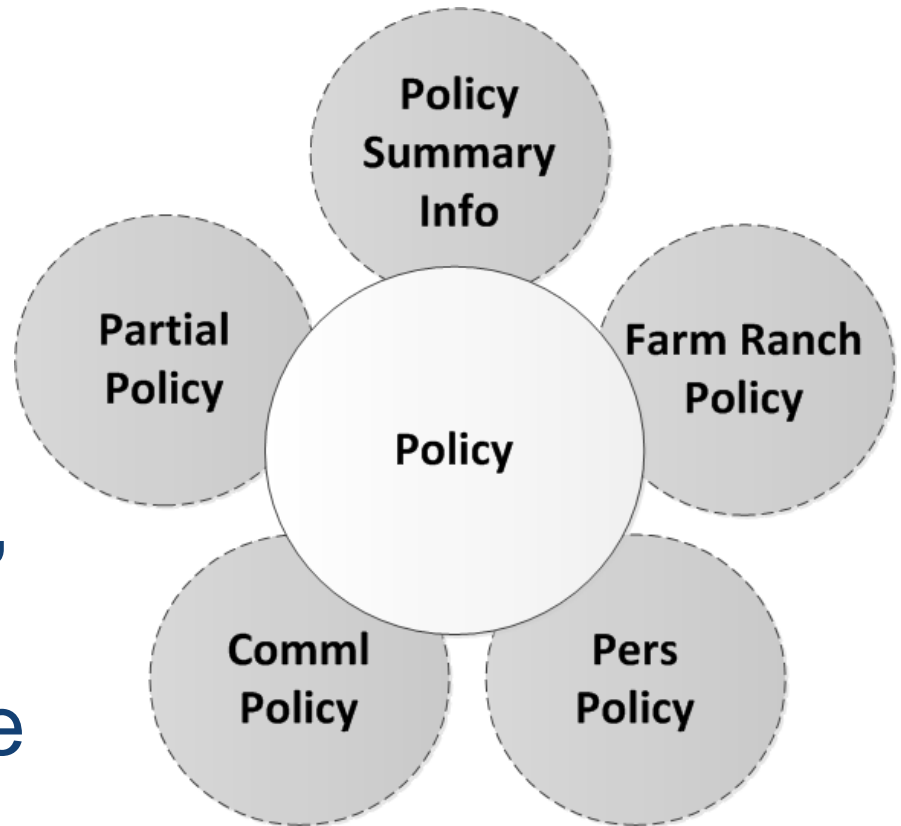


## Types:

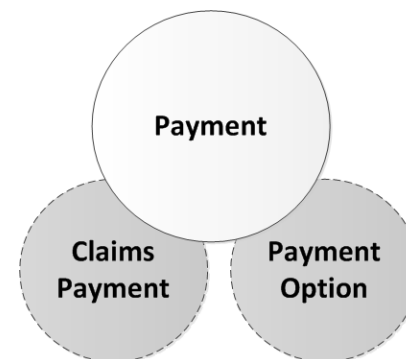
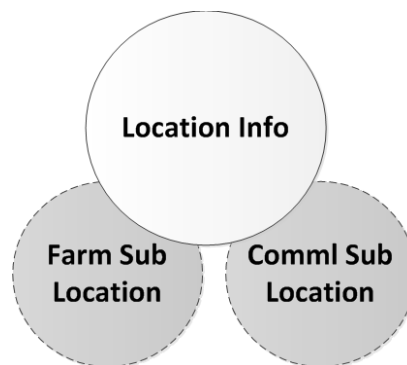
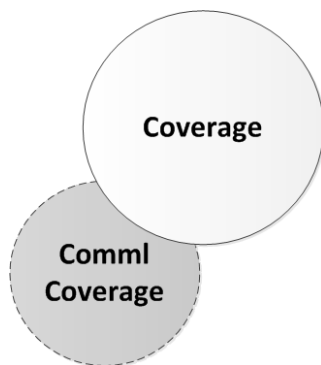
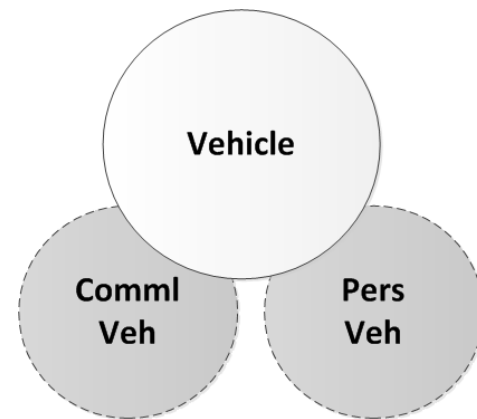
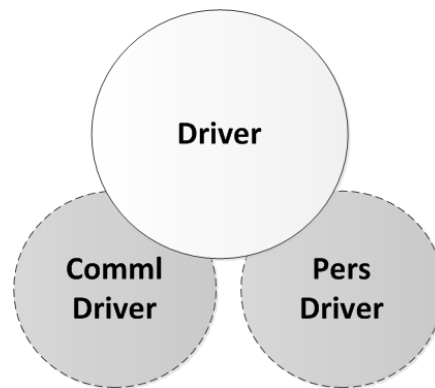
- Person/Business
- Location
- Insurable (Unit at Risk)
- Artifact  
(Document/Photo/etc.)

# Single Policy Definition

- Combined Legacy Policy Objects
- One Reusable Structure
- Contains Contract, Insured, Producer, Line and Coverage



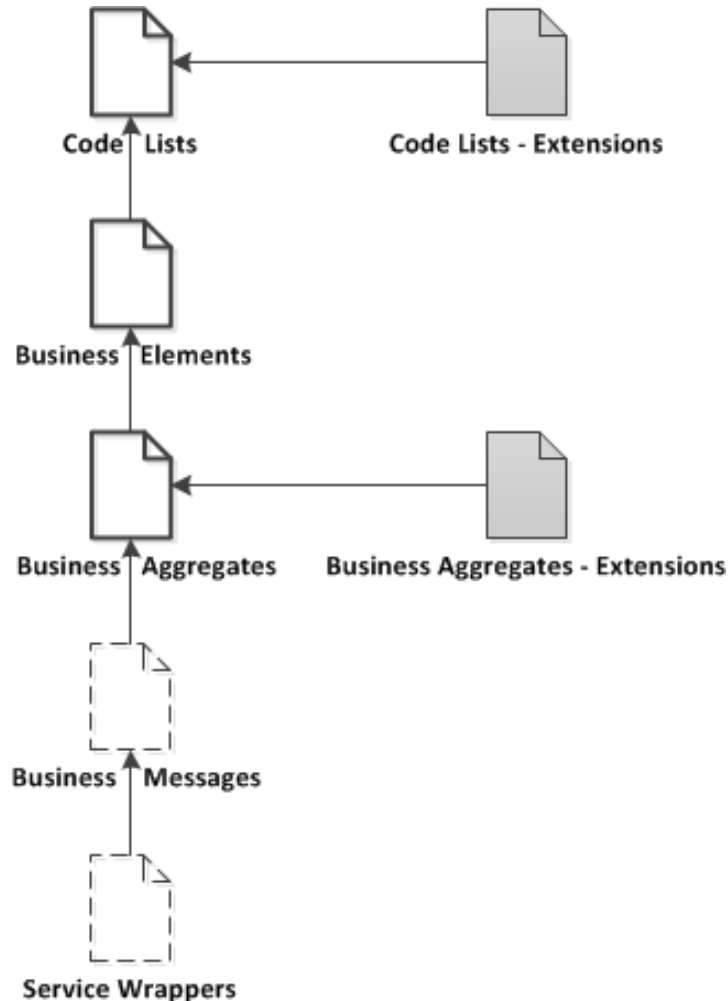
# All Other Merges



# Transformation Services

- 1.X to 2.X Policy Message Transforms (including 2.X back to 1.X)
- Swagger API Generator for XML/JSON
- Excel Data Dictionary for XML/JSON
- XML Message to HTML Document

# Component Schemas



- Validates only ACORD Content
  - Ships with **<xsd:any>**
  - Doesn't use **<xsd:redefine>**
- Aggregate Extensions
  - Every complex element ships with an extension aggregate
  - Add your own aggregates
- Code List Extensions
  - Uses **<xsd:union>** of standard codes and extended code list
- Messages and Wrappers are optional

# Aggregate Extensions

```
<InsuredOrPrincipal>  
  <GeneralPartyInfo>  
    <NameInfo/>  
  </GeneralPartyInfo>  
  <InsuredOrPrincipalInfo>  
    <License/>  
  </InsuredOrPrincipalInfo>  
  <InsuredOrPrincipalExt>  
    <CustomElement>CustomValue</CustomElement>  
    <AnotherCustomElement>42</AnotherCustomElement>  
  </InsuredOrPrincipalExt>  
</InsuredOrPrincipal>
```

# Aggregate Schemas

## Base Biz Aggregate XSD:

```
<xsd:complexType name="InsuredOrPrincipal_Type">
  <xsd:sequence>
    <xsd:element ref="ItemIdInfo"/>
    <xsd:element ref="GeneralPartyInfo" />
    <xsd:element ref="InsuredOrPrincipalInfo" />
    <xsd:element ref="LengthTimeKnownByAgentBroker" />
    <xsd:element ref="InsuredOrPrincipalExt" />
  </xsd:sequence>
</xsd:complexType>
```

## Extended Biz Aggregate XSD:

```
<xsd:complexType name="InsuredOrPrincipalExt_Type">
  <xsd:sequence>
    <xsd:element name="CustomElement" type="xsd:string">
    <xsd:element name="AnotherCustomElement" type="xsd:integer">
  </xsd:sequence>
</xsd:complexType>
```

# Code List Schemas

Base Code List XSD:

```
<xsd:simpleType name="AirBagt_Type">  
  <xsd:union memberTypes="AirBagBase_Type AirBagExt_Type"/>  
</xsd:simpleType>  
<xsd:simpleType name="AirBagBase_Type">  
  ...  
</xsd:simpleType>
```

Extended Code List XSD:

```
<xsd:simpleType name="AirBagTypeContentExt_Type">  
  <xsd:restriction base="Enumeration_Type">  
    <xsd:enumeration value="Custom"/>  
  </xsd:restriction>  
</xsd:simpleType>
```