

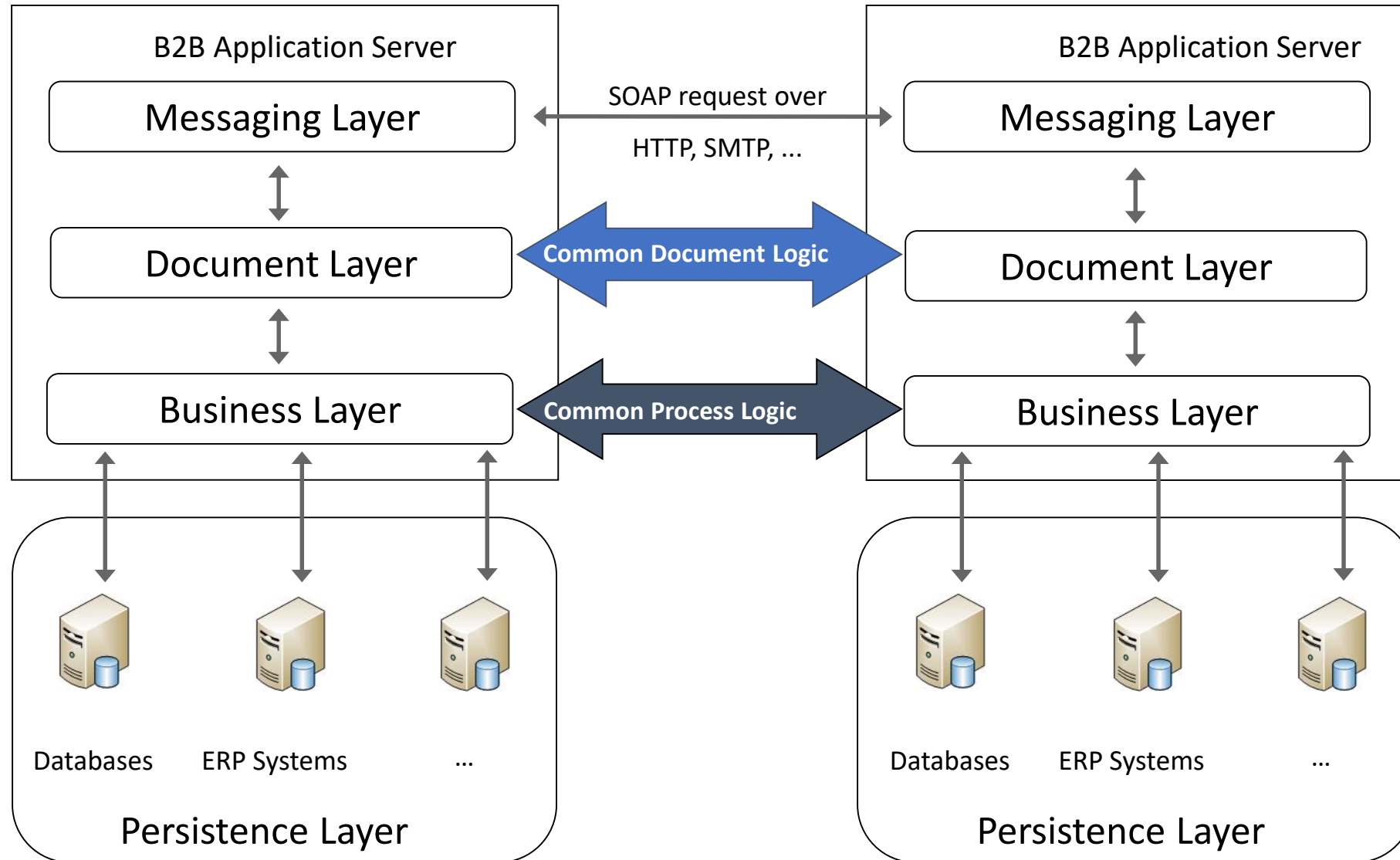
Agenda

- **Part A: Motivation/Introduction**

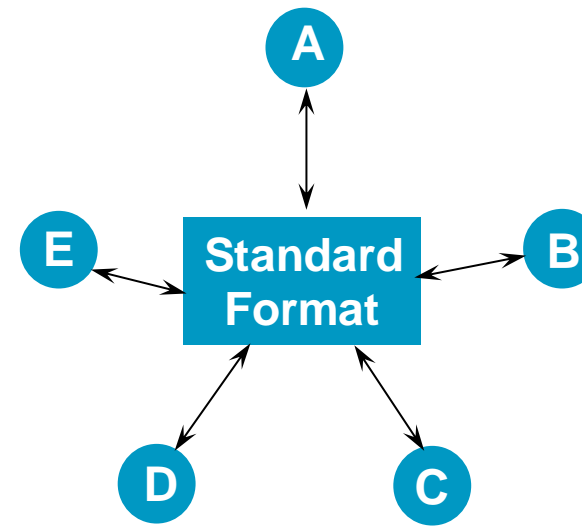
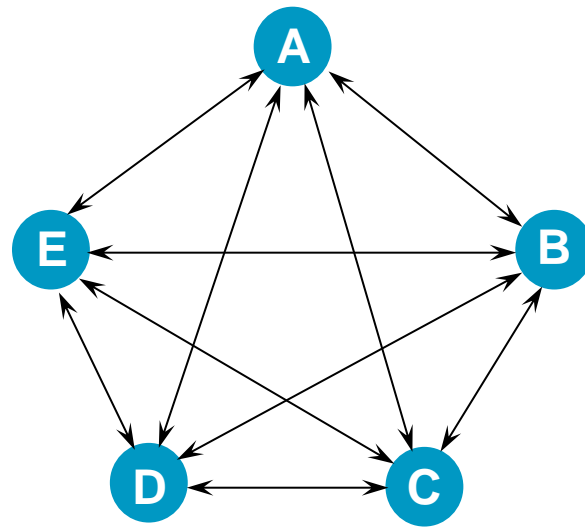
- Goals
- Initial Process/Priority
- Core Components List
- Business Entity List
- Vehicle Inventory
- Required Resources
 - Process Tools
 - Process Documentation
 - Capability Statements
 - KPI and Milestones
 - Priority



B2B Application Computing



Reduction on a single format reduces the amount of necessary mappers



STAR-RC Core Components – Definition of reusable building blocks



- Semantic building blocks for the definition of business document data
 - **Context free** – reuse in multiple business sectors
 - Customization of generic core components to specific business sectors and application domains

Assemble new artifacts, based on common, standardized components

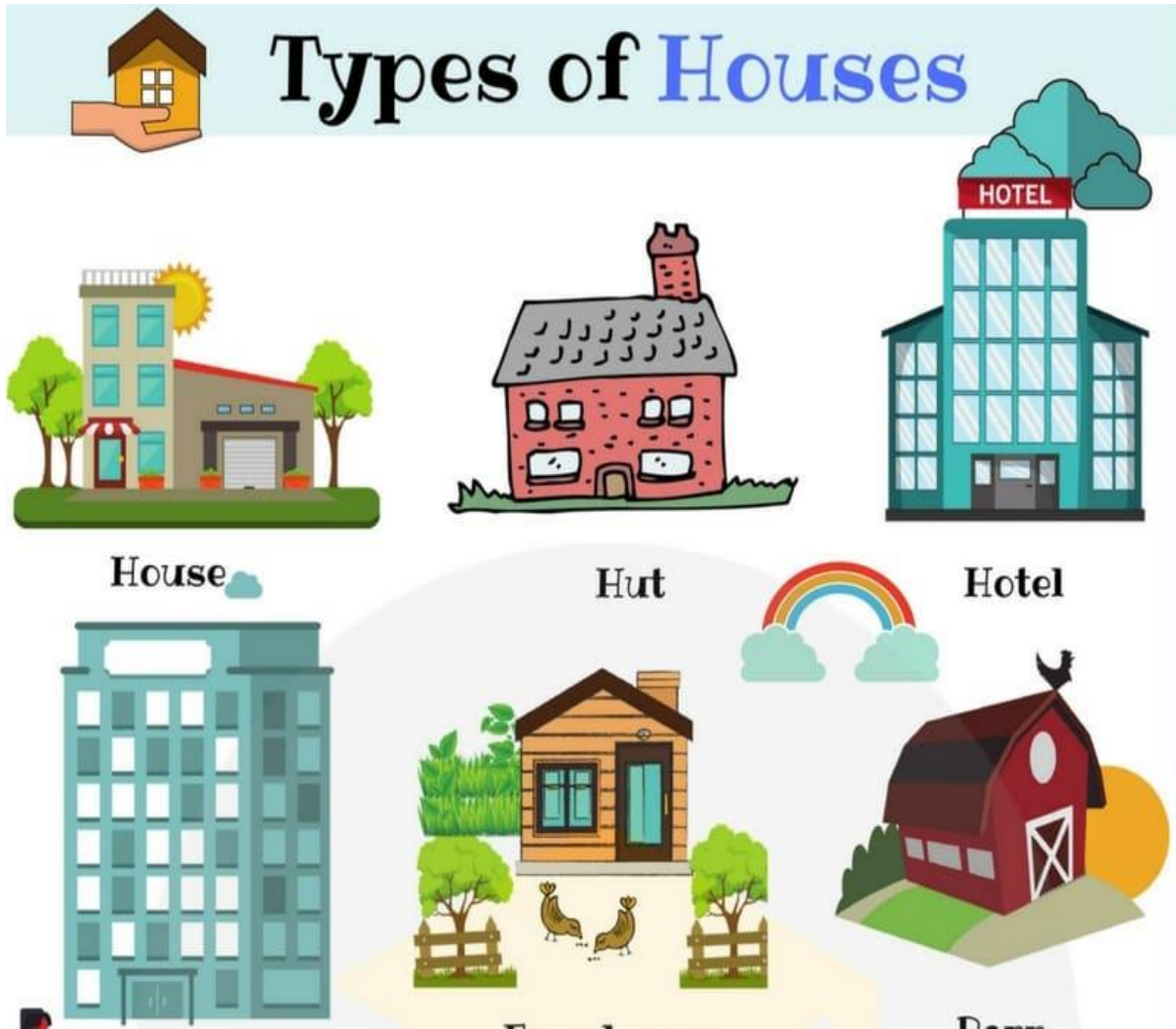


Core Components



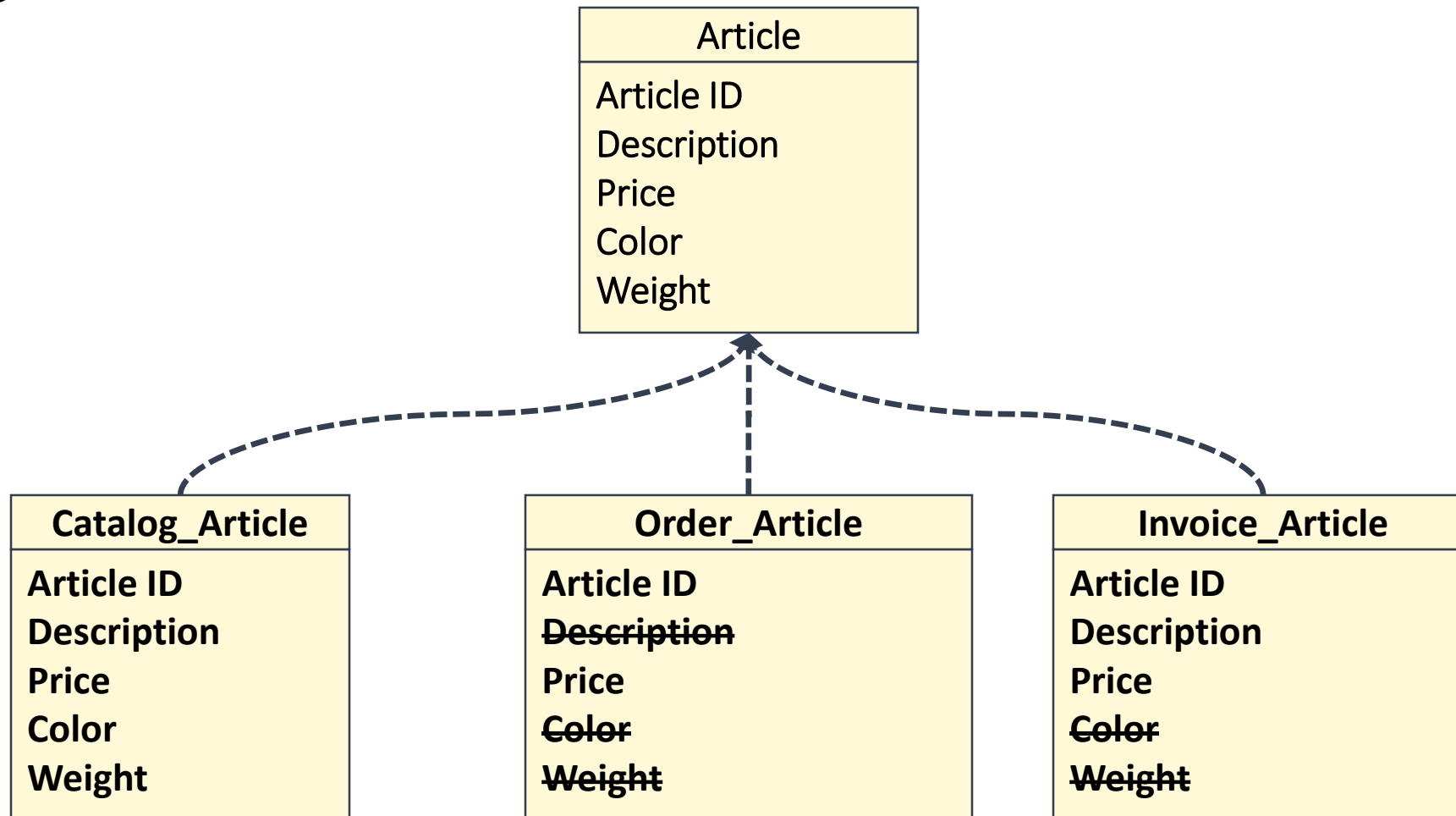
Business document

Context is FIRST CLASS CITIZEN



- Context Free
- Context Applied
- Restrictions

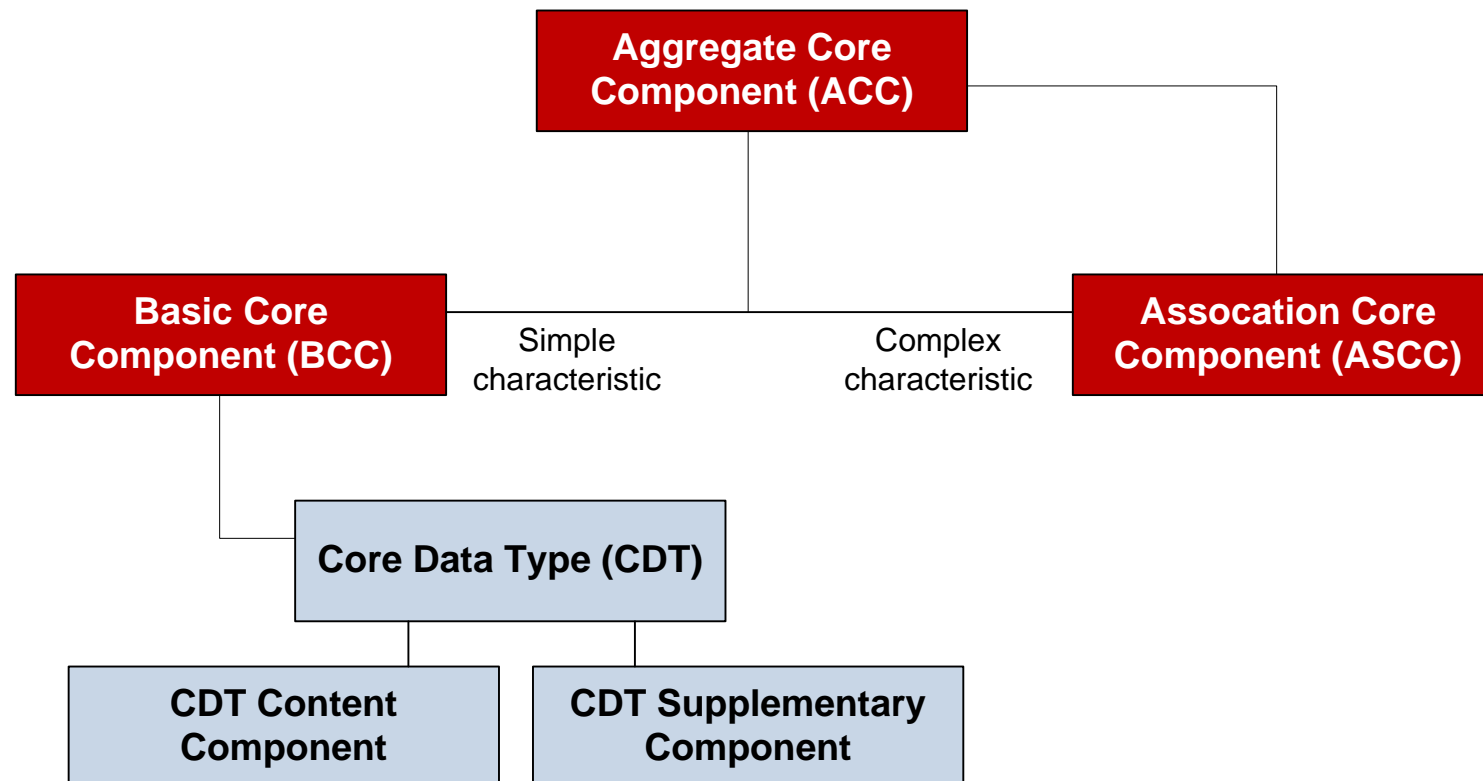
Reduction of complexity through reusable document building blocks



Contextualization by omitting non-used elements and adding restrictions

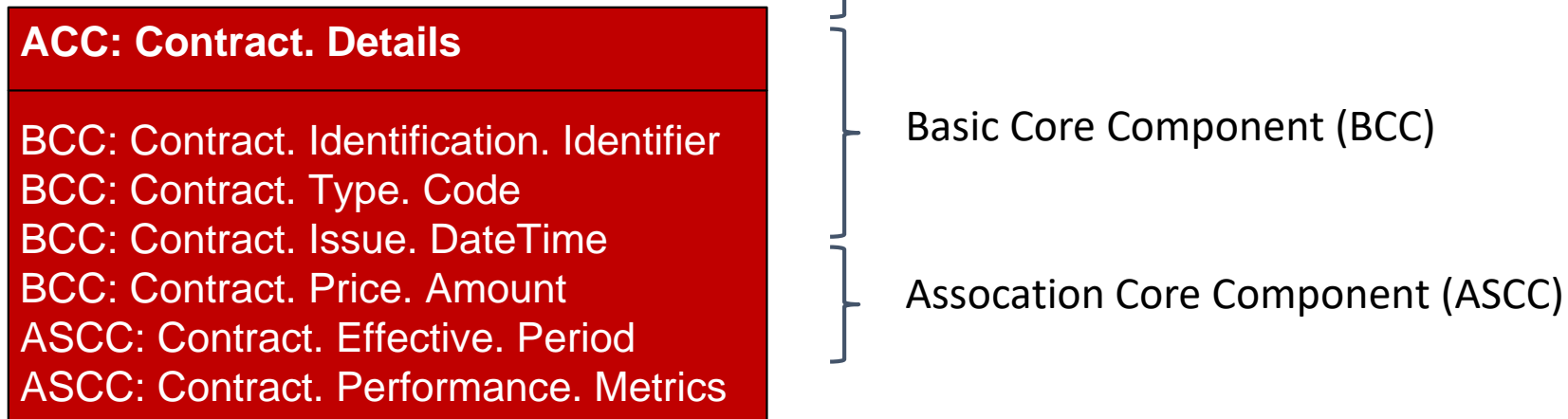
Core Components

- Foundational concept of the Core Components Technical Specification
- Used for all aspects of data and information modeling
- Distinction between three different categories of core components



Aggregate Core Component (ACC)

- Collection of related pieces of information that together convey a distinct meaning
- Independent of any business context
- In data modeling terms an ACC is the representation of an entity or class with attributes and associations



Core Data Types (CDT)

Data Type Catalogue 3.0

- Released with every Core Component Technical Specification
- Defines allowed Core Data Types (CDT) and Primitive Types

Binary
Boolean
Decimal
Double
Float
Integer
Normalized String
String
TimeDuration
TimePoint
Token

11 Primitive Types

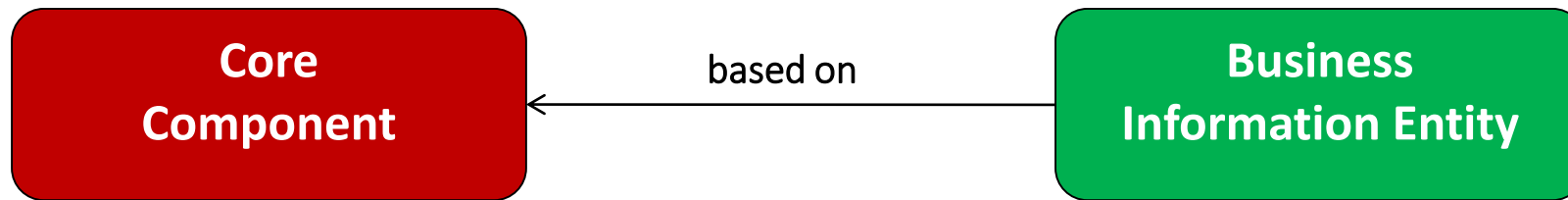
Amount
Binary Object
Code
Date
Date Time
Duration
Graphic
Identifier
Indicator
Measure
Name

22 Core Data Types (CDT)

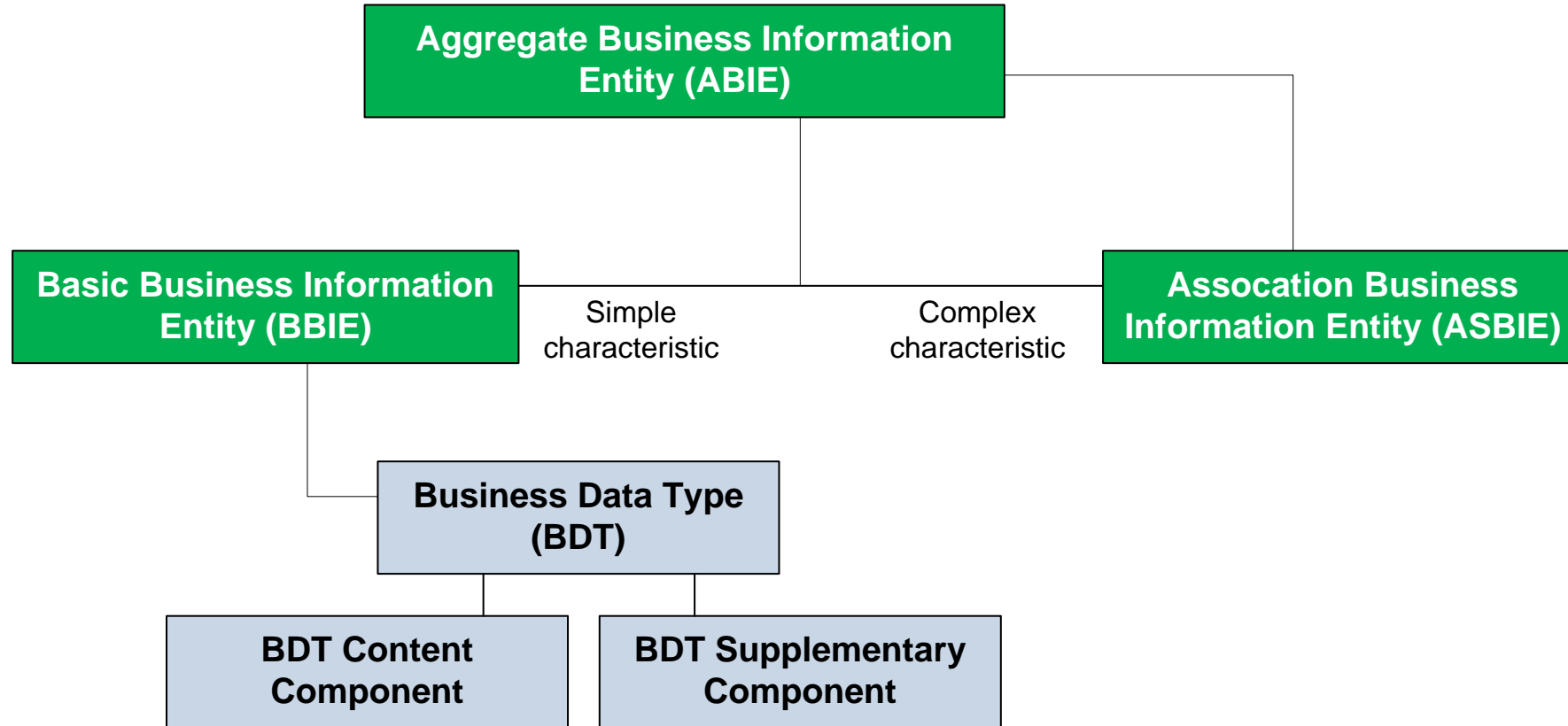
Ordinal
Percent
Picture
Quantity
Rate
Ratio
Sound
Text
Time
Value
Video

From Core Components to Business Information Entities

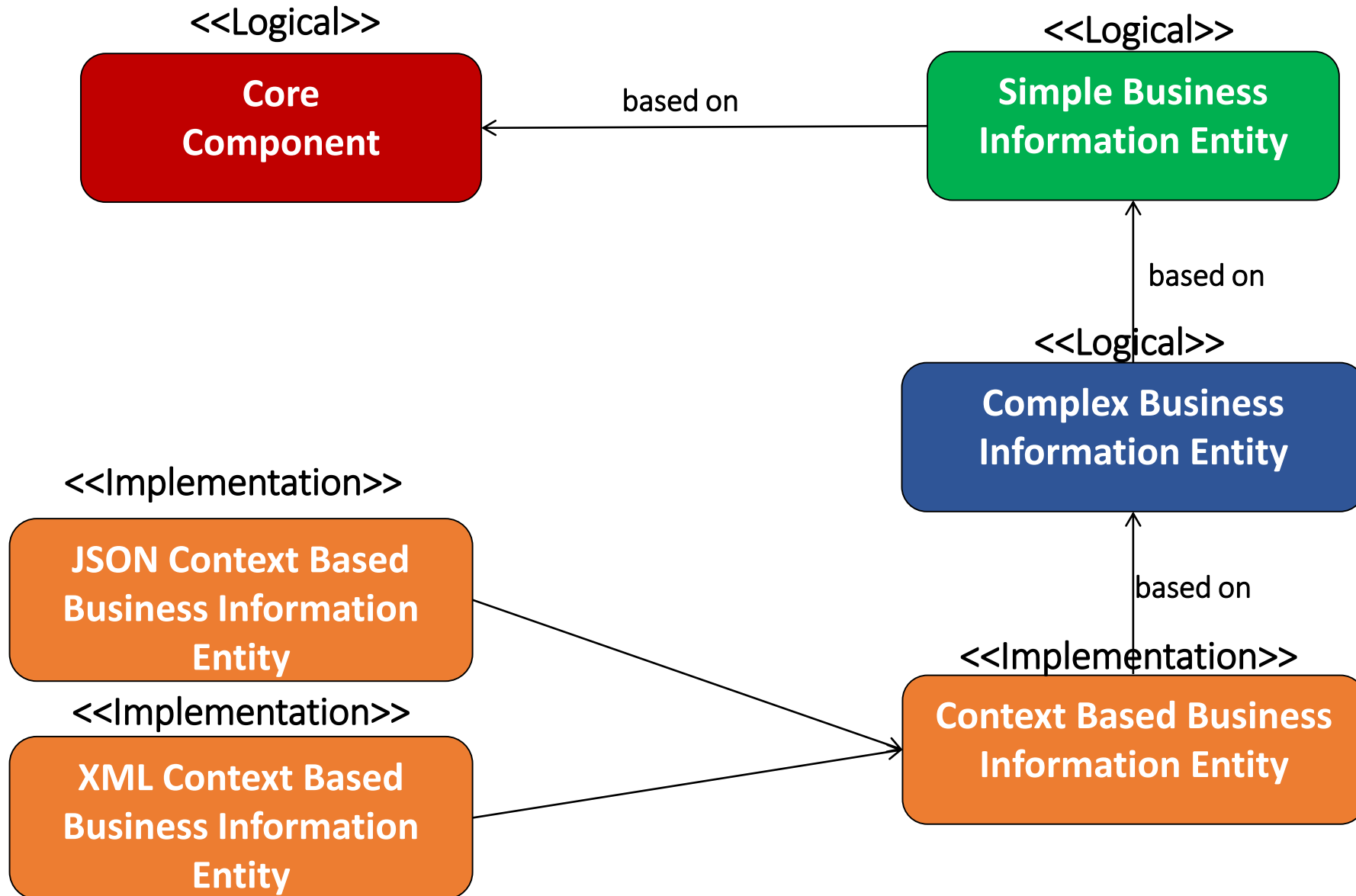
- Core Components act as conceptual models that are used to define **business information entities** (BIE)
- Business Information entities are created
 - by the application of context
 - by restricting a generic core component
- Business Information Entities and Core Components are complementary in many respects
- A Business Information Entity must always be based on a Core Component



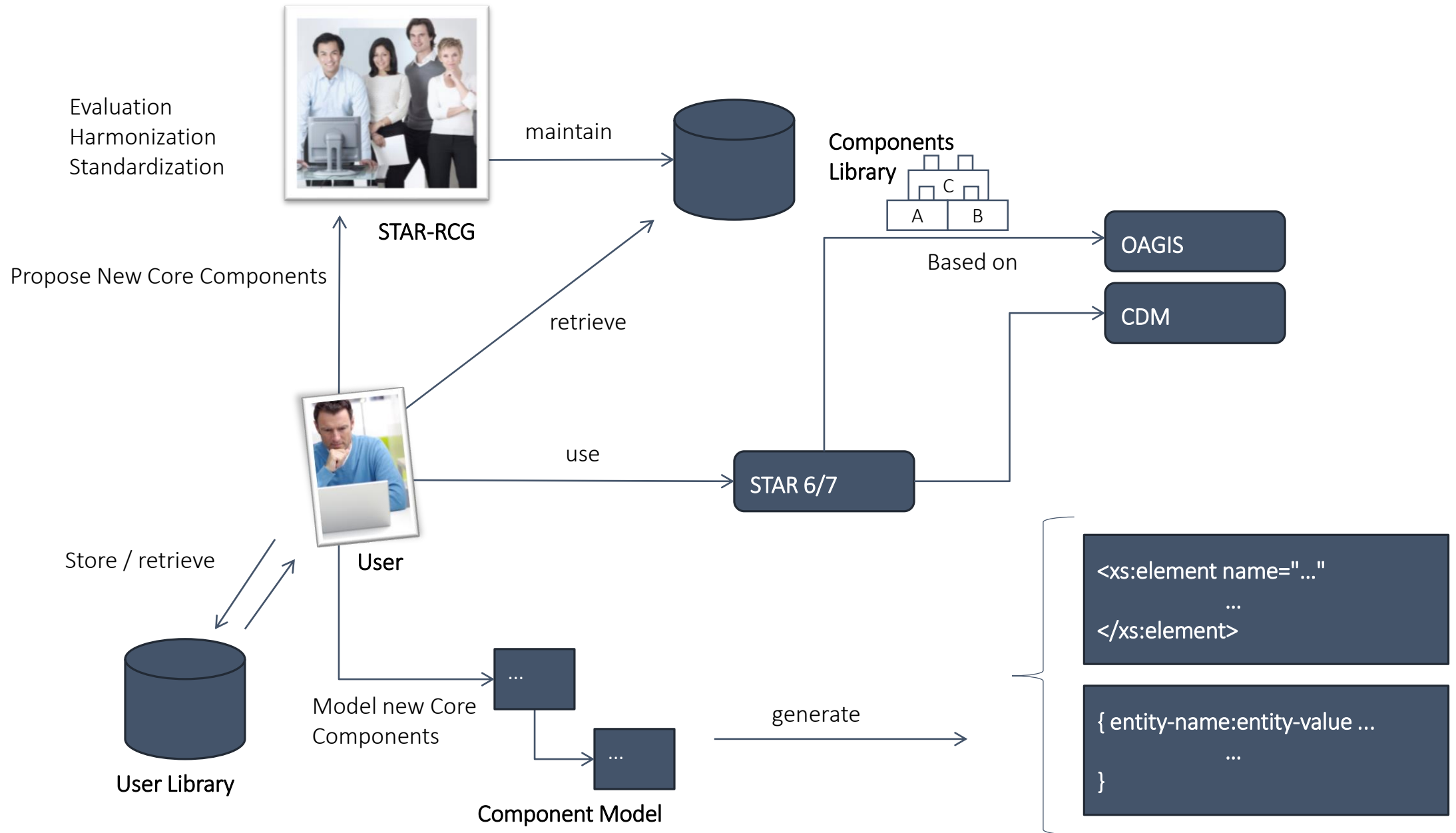
Business Information Entities



Recreating Current BoDs



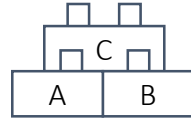
Working with components



Create/Use Components



1 Identify Core Components



2 Identify Business Entities (Simple/Complex)

3 Create Context Based Entity



Create Context Based Messaging

Resources

<http://www.datypic.com/sc/oagis941/s-Components.xsd.html>

<https://microsoft.github.io/CDM/>

core

CdsStandard ActivityCommon ActivitySystem

applicationCommon

Account Activity ActivityParty Address customerAddressInline Appointment Article

ArticleComment ArticleTemplate BusinessUnit Connection ConnectionRole Contact

Currency CustomerRelationship Email EmailSignature Fax Feedback Goal GoalMetric

KnowledgeArticle KnowledgeArticleCategory KnowledgeArticleViews

KnowledgeBaseRecord Letter Note Organization Owner PhoneCall Position Queue

QueueItem RecurringAppointment SLA SLAItem SLAKPIInstance SocialActivity

SocialProfile Task Team Territory User

foundationCommon

Account BookableResource BookableResourceBooking BookableResourceBookingHeader

BookableResourceCategory BookableResourceCategoryAssn

BookableResourceCharacteristic BookableResourceGroup BookingStatus Characteristic

Company Contact KnowledgeArticle Organization PriceList PriceListItem Product

ProductAssociation ProductRelationship Property PropertyAssociation PropertyInstance

PropertyOptionSetItem RatingModel RatingValue Unit UnitGroup

Color Key:

Used by Selected Uses the Selected Base of Selected Extension of Selected

Attributes for Selected

createdOn

createdBy

modifiedOn

modifiedBy

createdOnBehalfBy

modifiedOnBehalfBy

overriddenCreatedOn

importSequenceNumber

ownerIdType

ownerId

owningBusinessUnit

owningUser

owningTeam

timeZoneRuleVersionNumber

UTCCConversionTimeZoneCode

versionNumber

[AccountIDs](#)

[AccountingDate](#)

[AcknowledgementDetail](#)

[ActionCodes](#)

[ActualTimePeriod](#)

[Address](#)

[AddressLine](#)

[Allowance](#)

[AlternateBOMReference](#)

[AlternateDocumentID](#)

[ApprovalEffectivePeriod](#)

[ApprovalStatus](#)

[ApprovedByParty](#)

[ASNReference](#)

[AssignedToContact](#)

[AssigneeStatus](#)

[Attachment](#)

[BankDraft](#)

[Basis](#)

[BeginSequenceCodes](#)

[BiddingTimePeriod](#)

[BillingAddress](#)

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[BuyerContractReference](#)

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[CategoryCodes](#)

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[Charge](#)

[Cheque](#)

[ChequeFromParty](#)

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[CommodityClassification](#)

[Communication](#)

[CompetingItem](#)

[CompetitorParty](#)

[ConcernedParty](#)

[Contact](#)

[ContractReference](#)

[Coordinate](#)

[CoordinateReference](#)

[Cost](#)

[CreatedByParty](#)

[CreatedForParty](#)

[CreditCard](#)

Questions/Wrap-up/Action Items

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