

Planning Our Domain



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**The demo app was not
created in a vacuum.**



Module Overview



Presenting our domain: book publishing

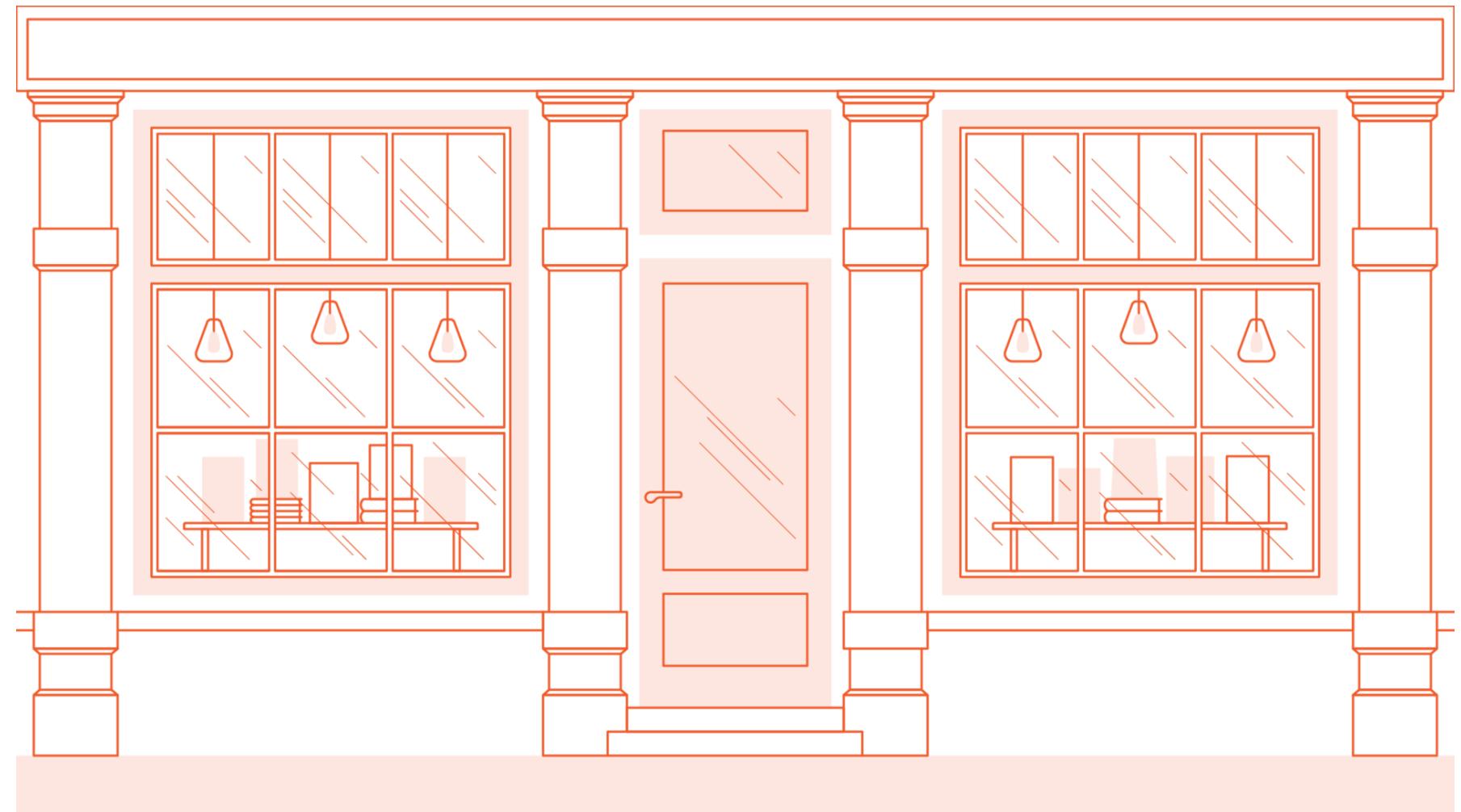
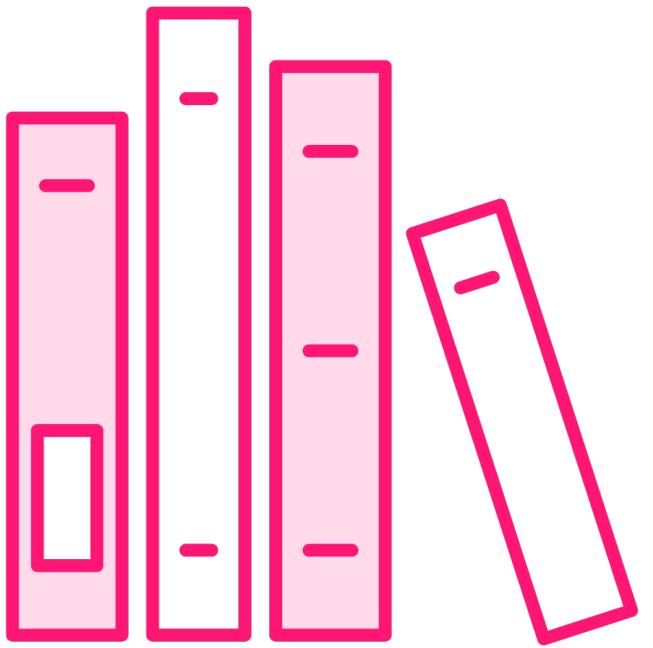
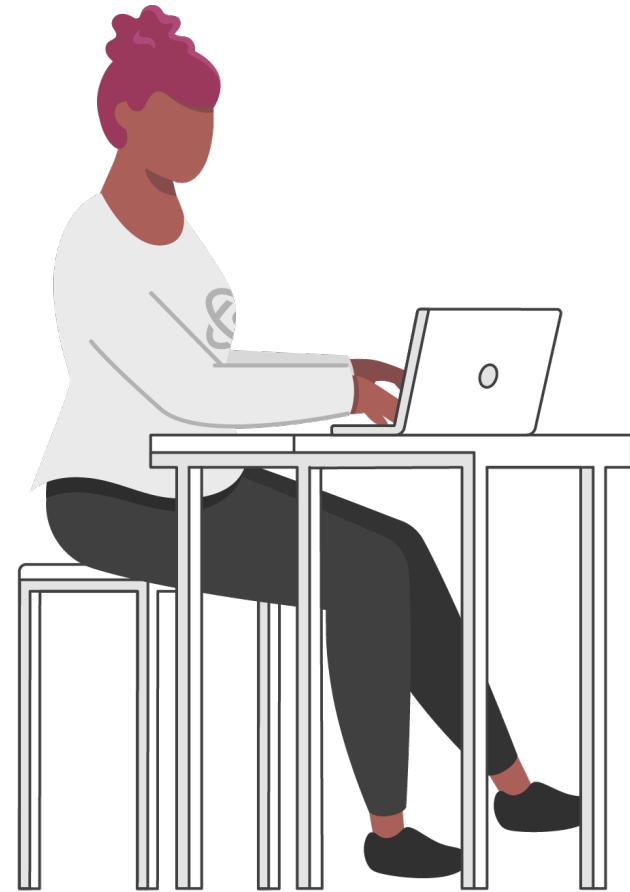
Strategic design process and results

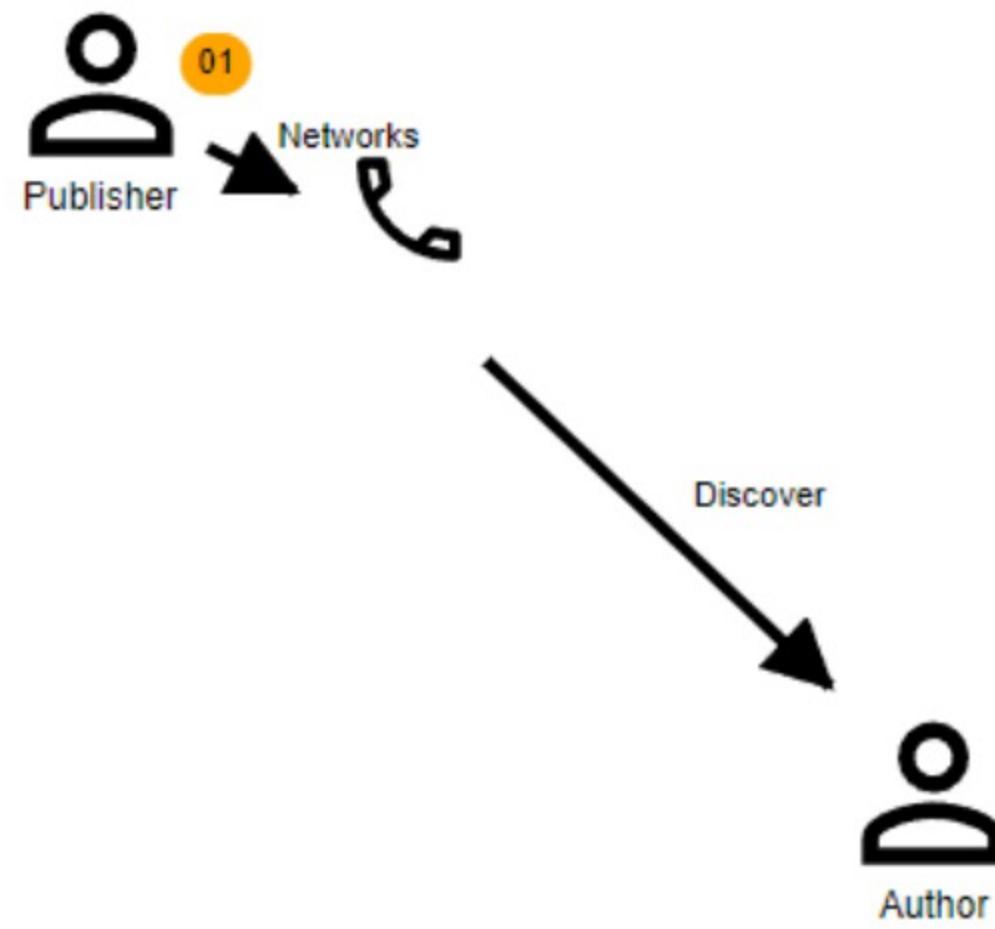
Identifying a bounded context to work on

Applying tactical design to the chosen bounded context

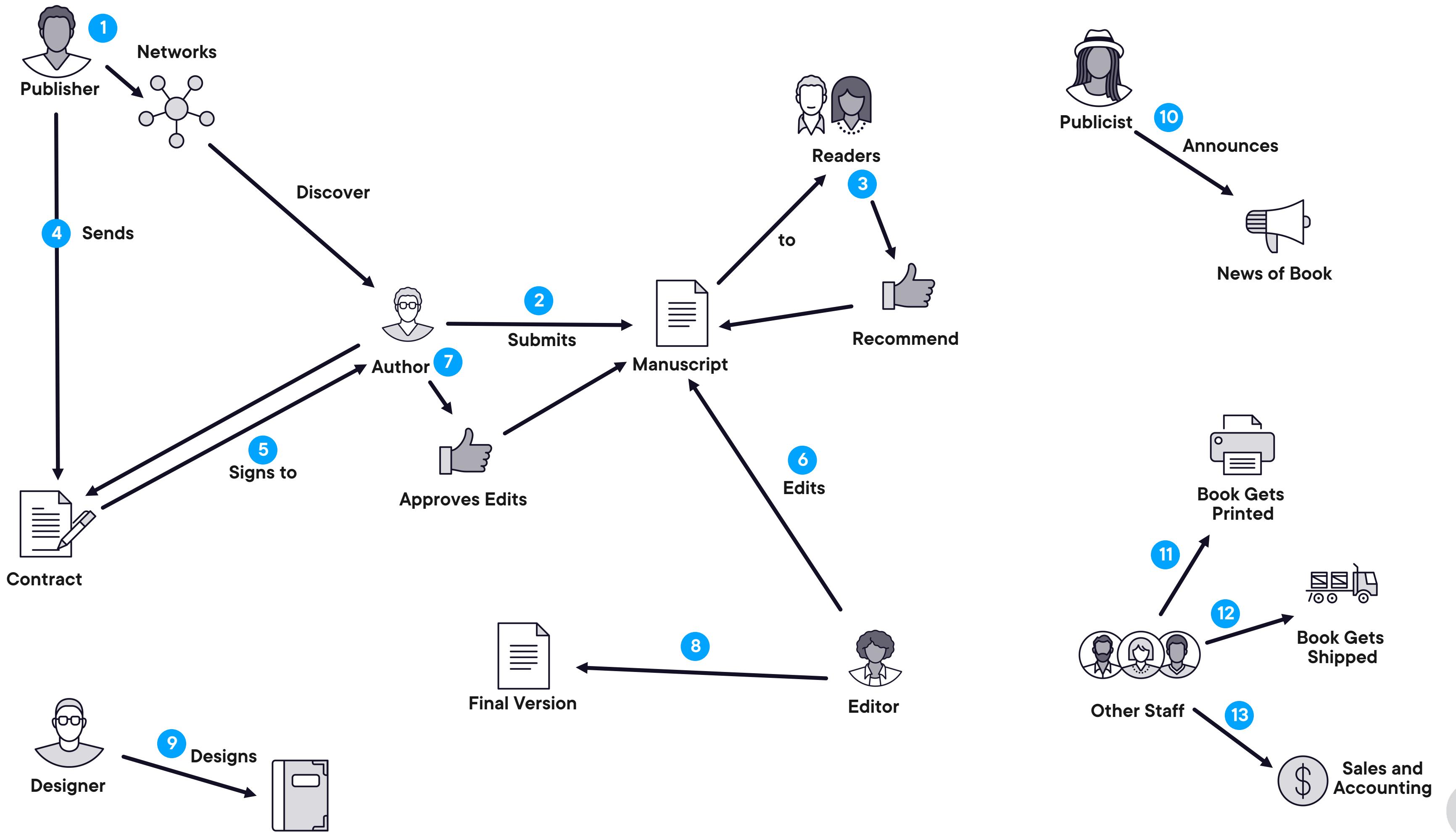


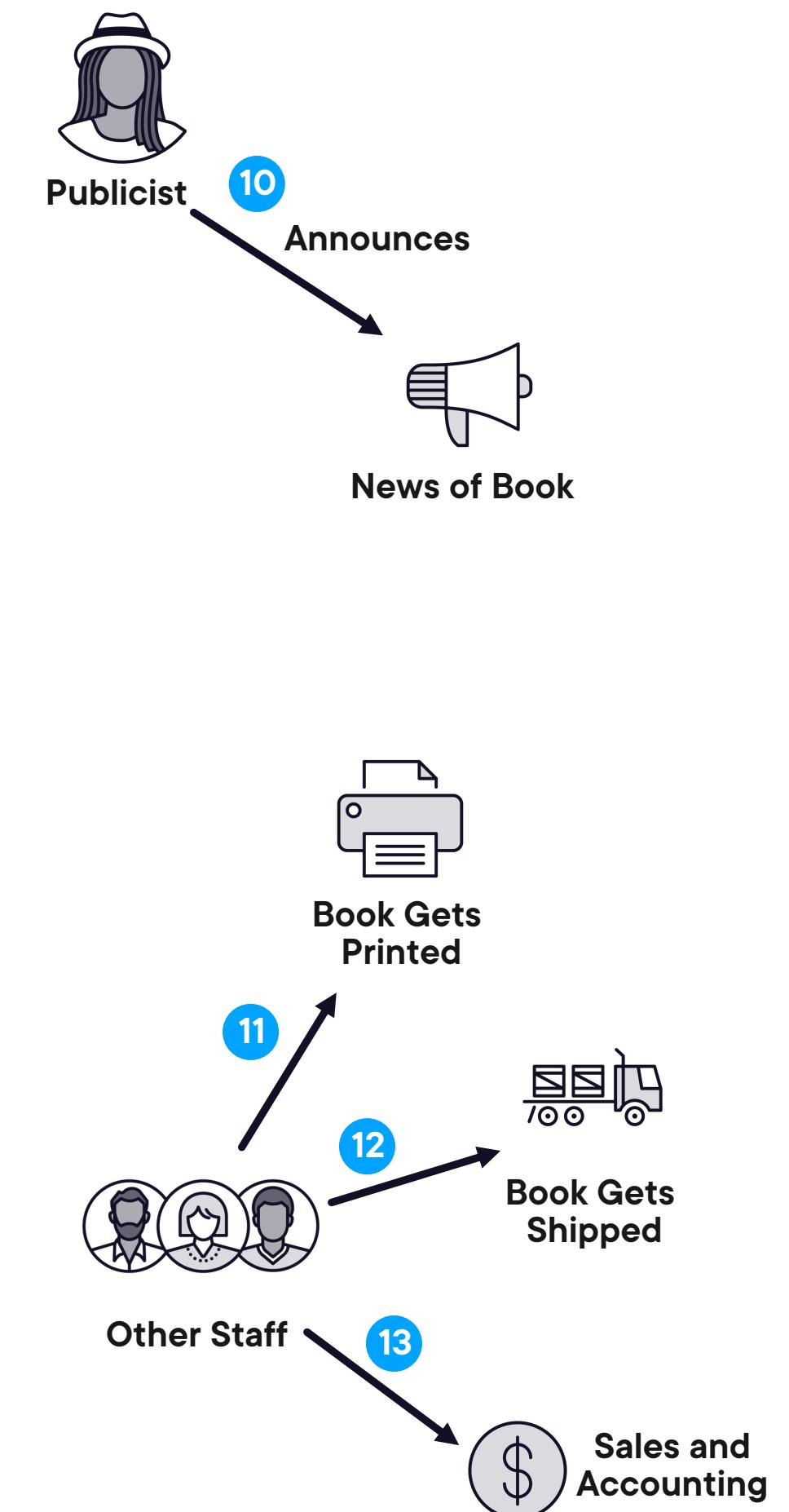
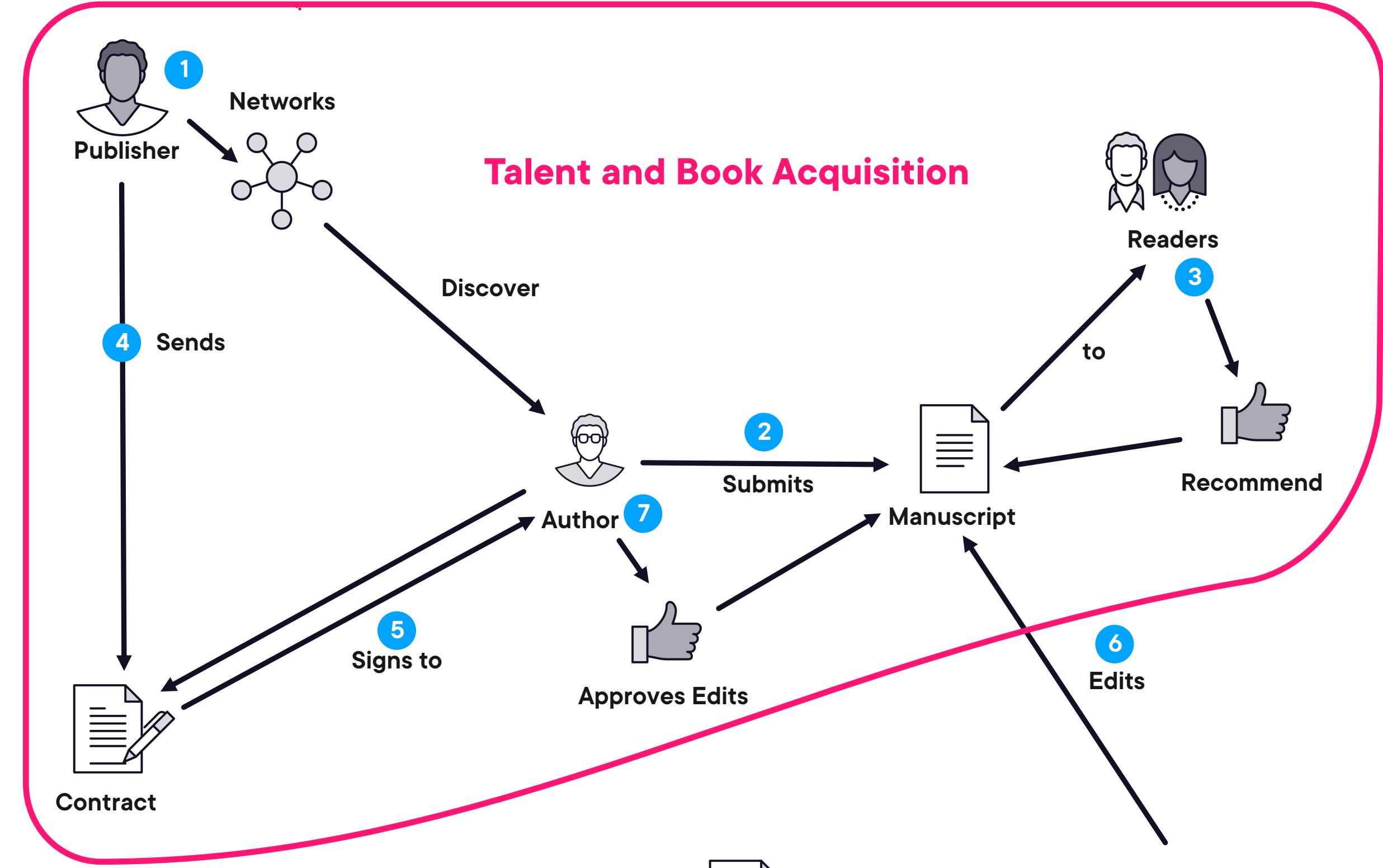
Our Domain: Book Publishing

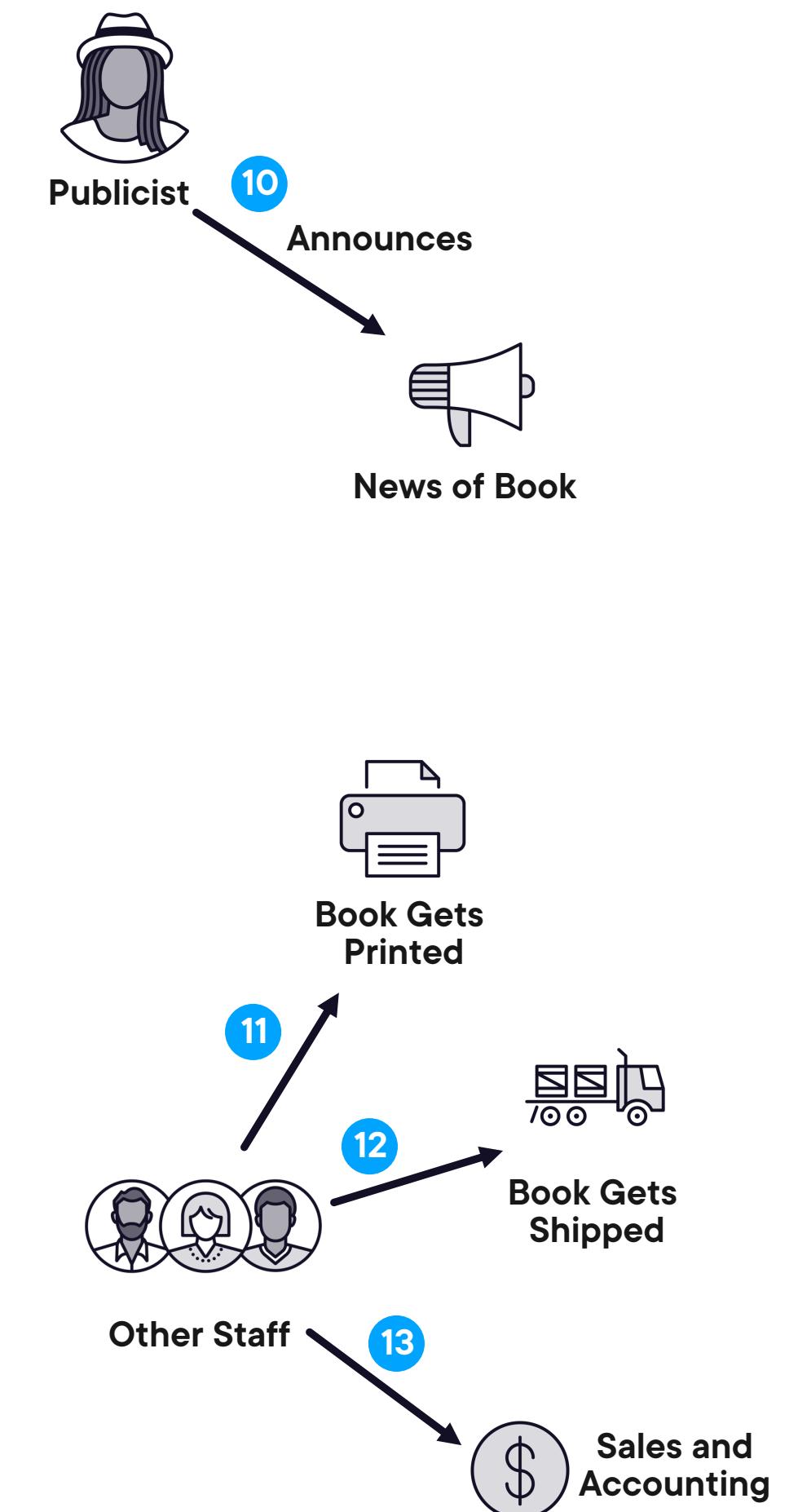
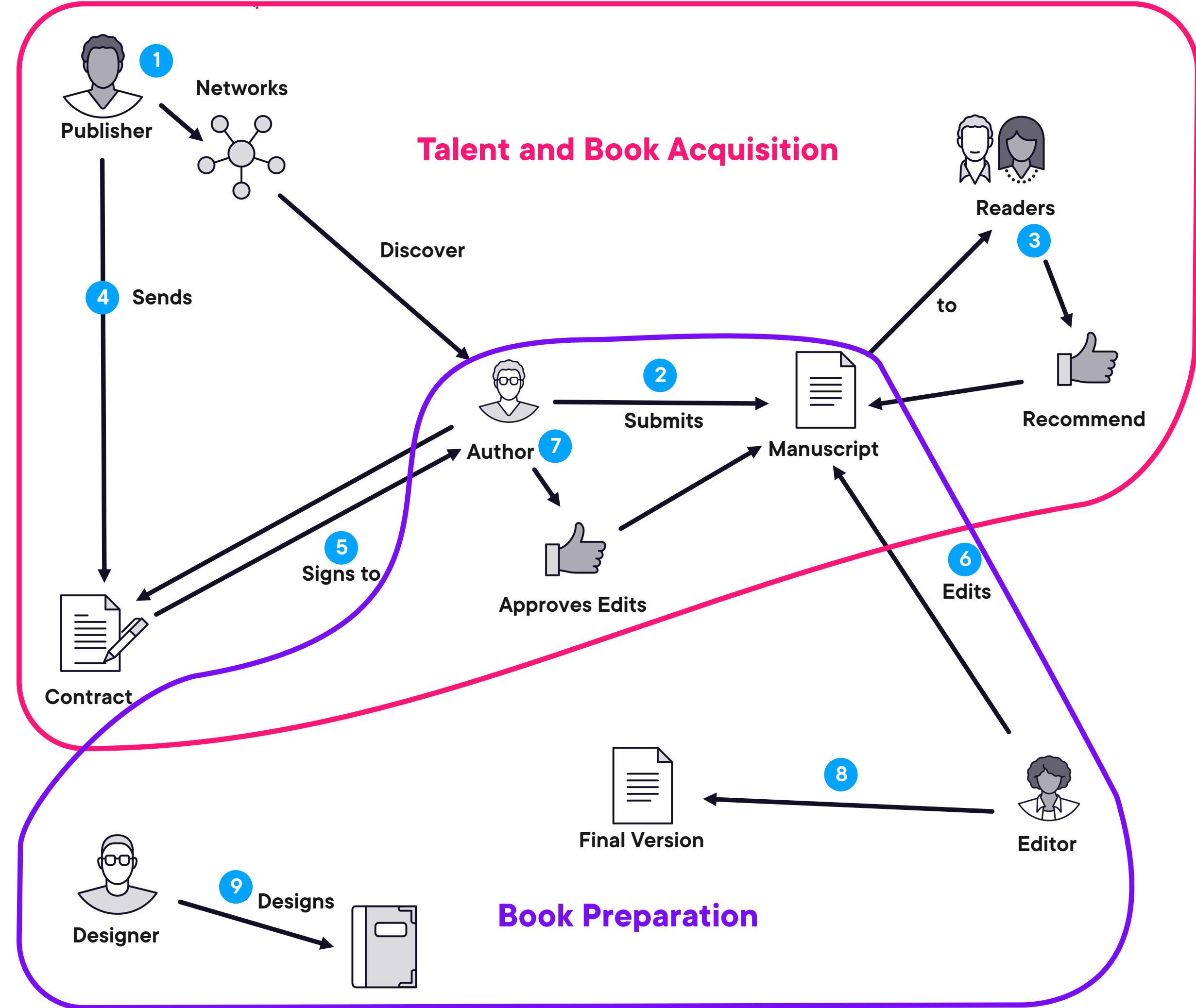


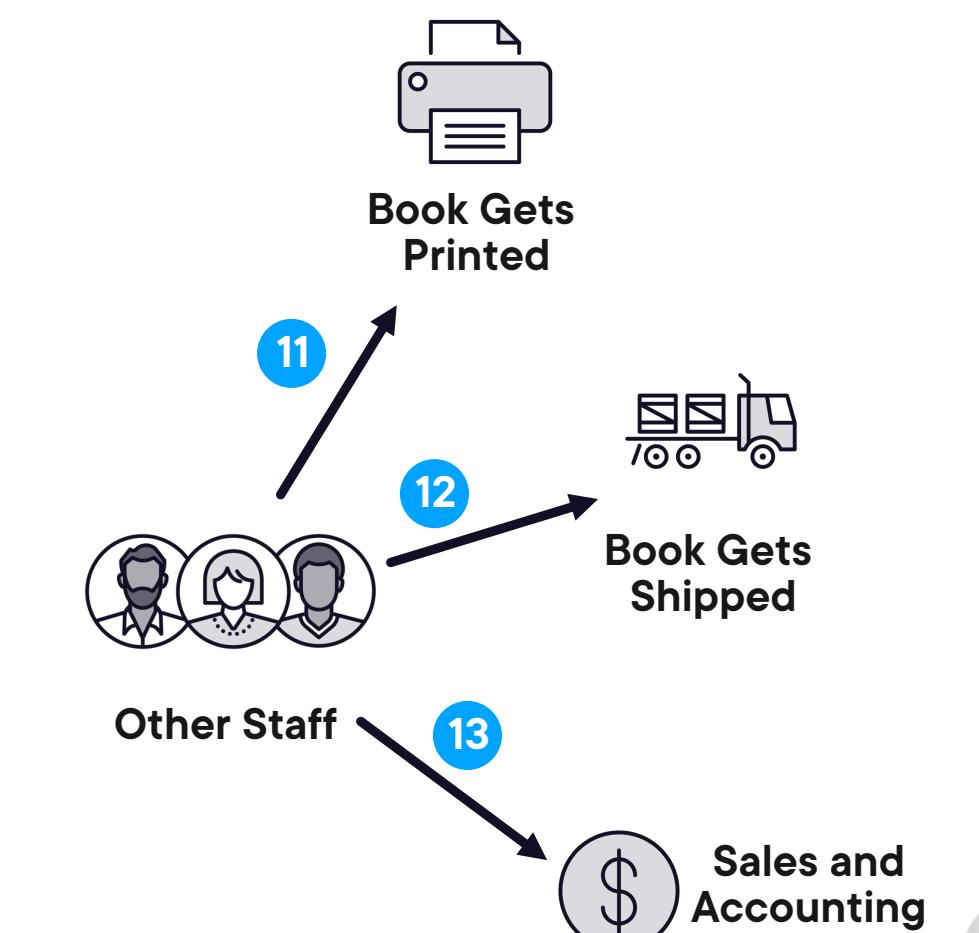
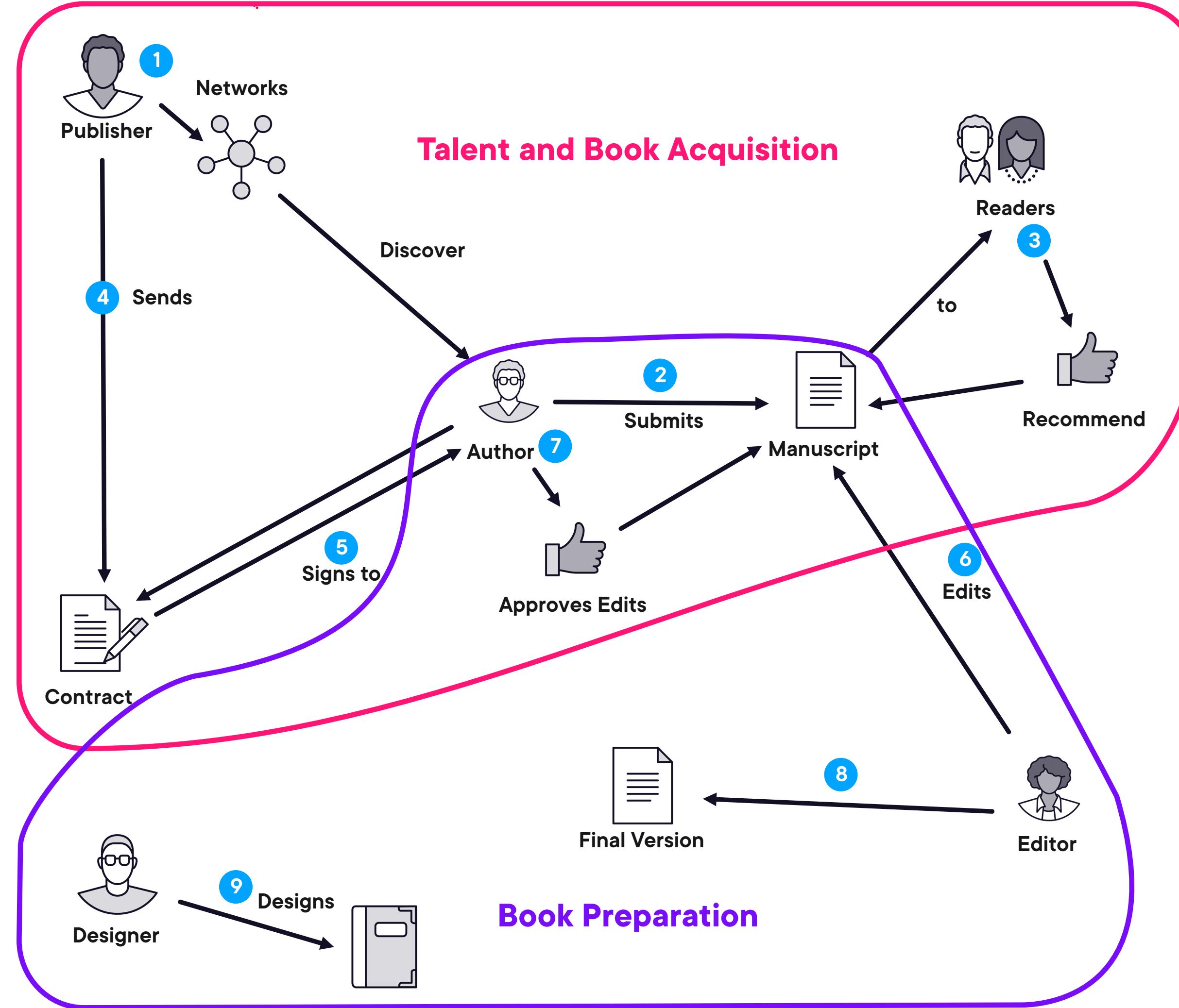


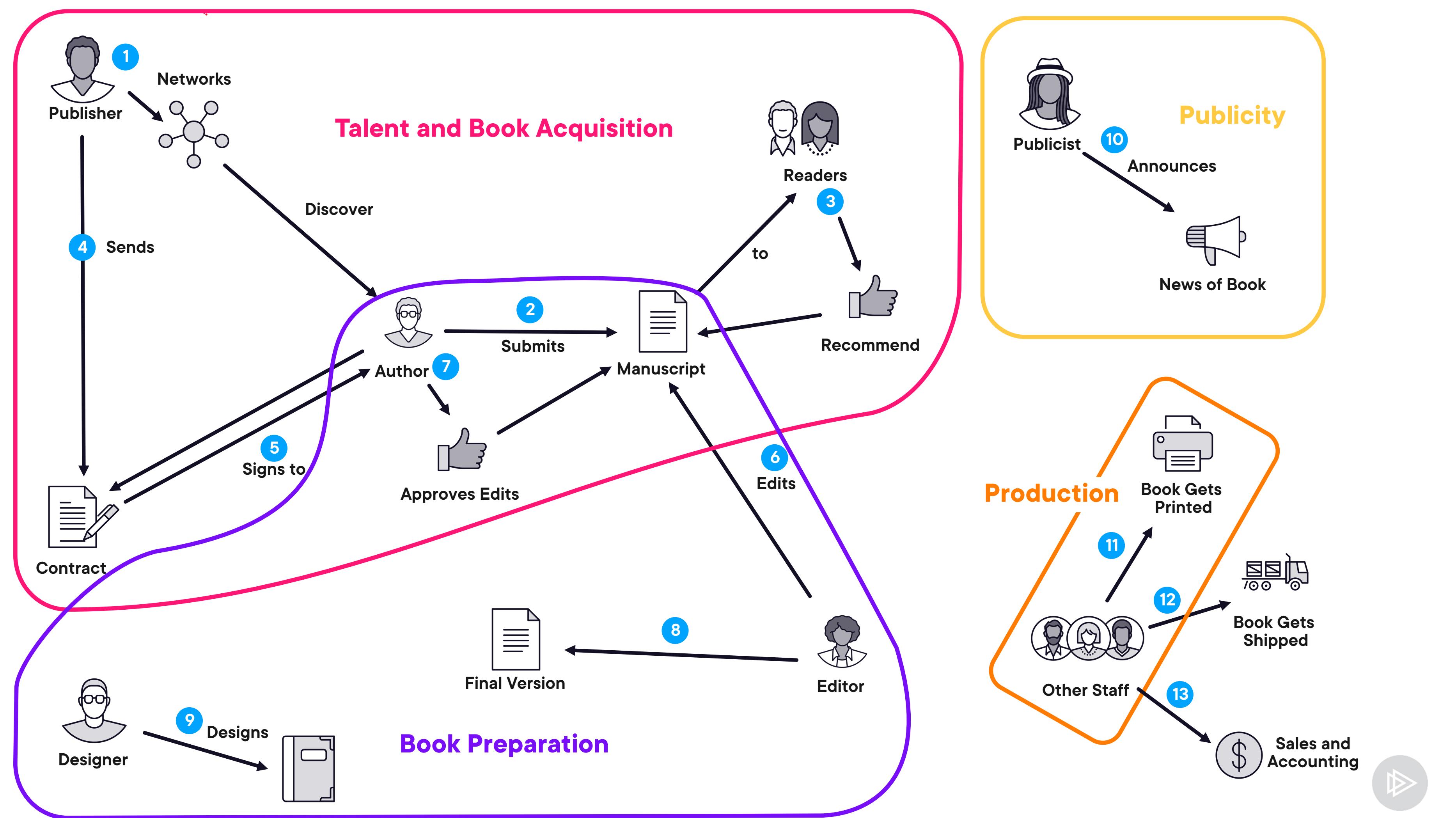
DomainStorytelling.org

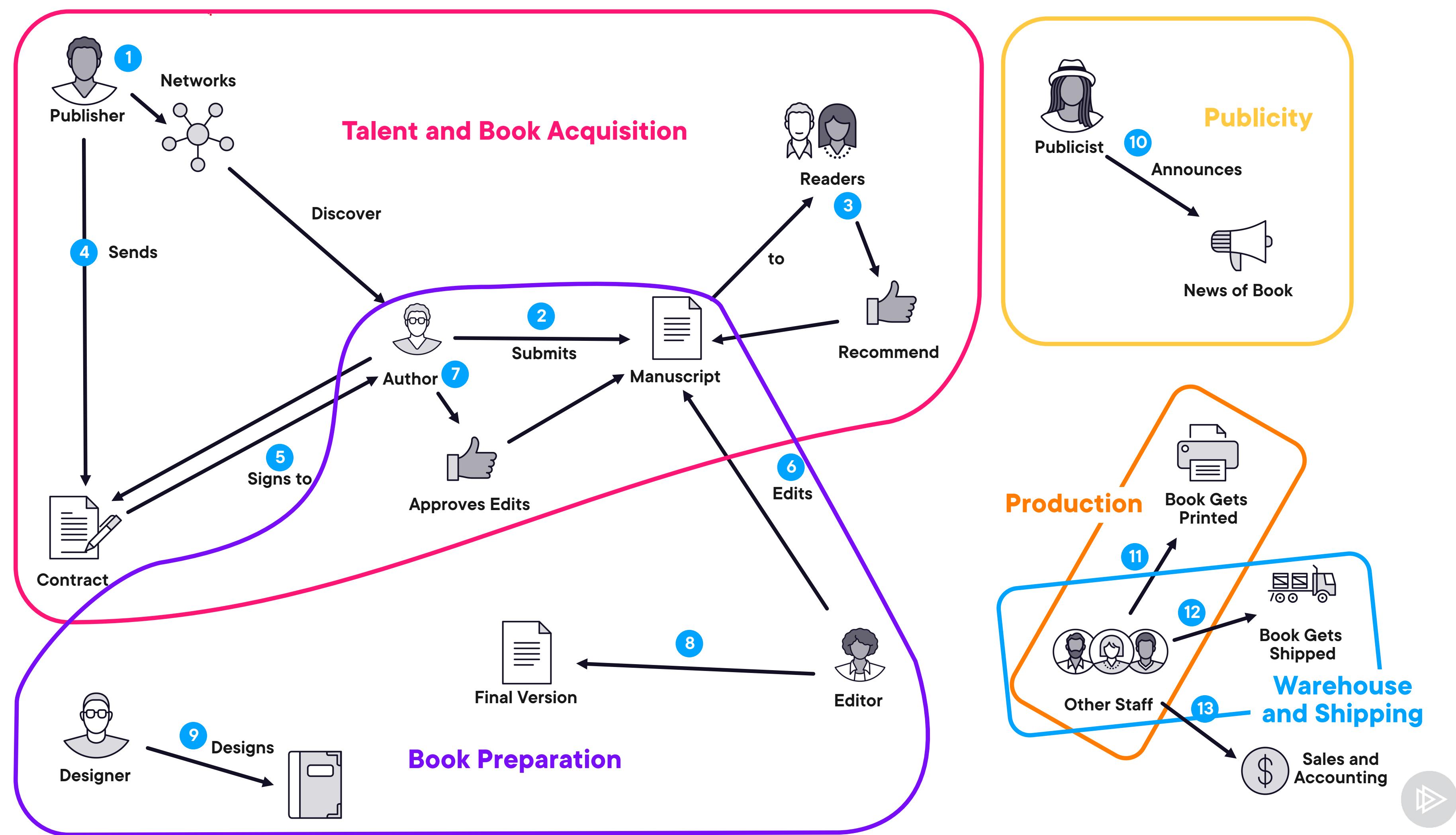


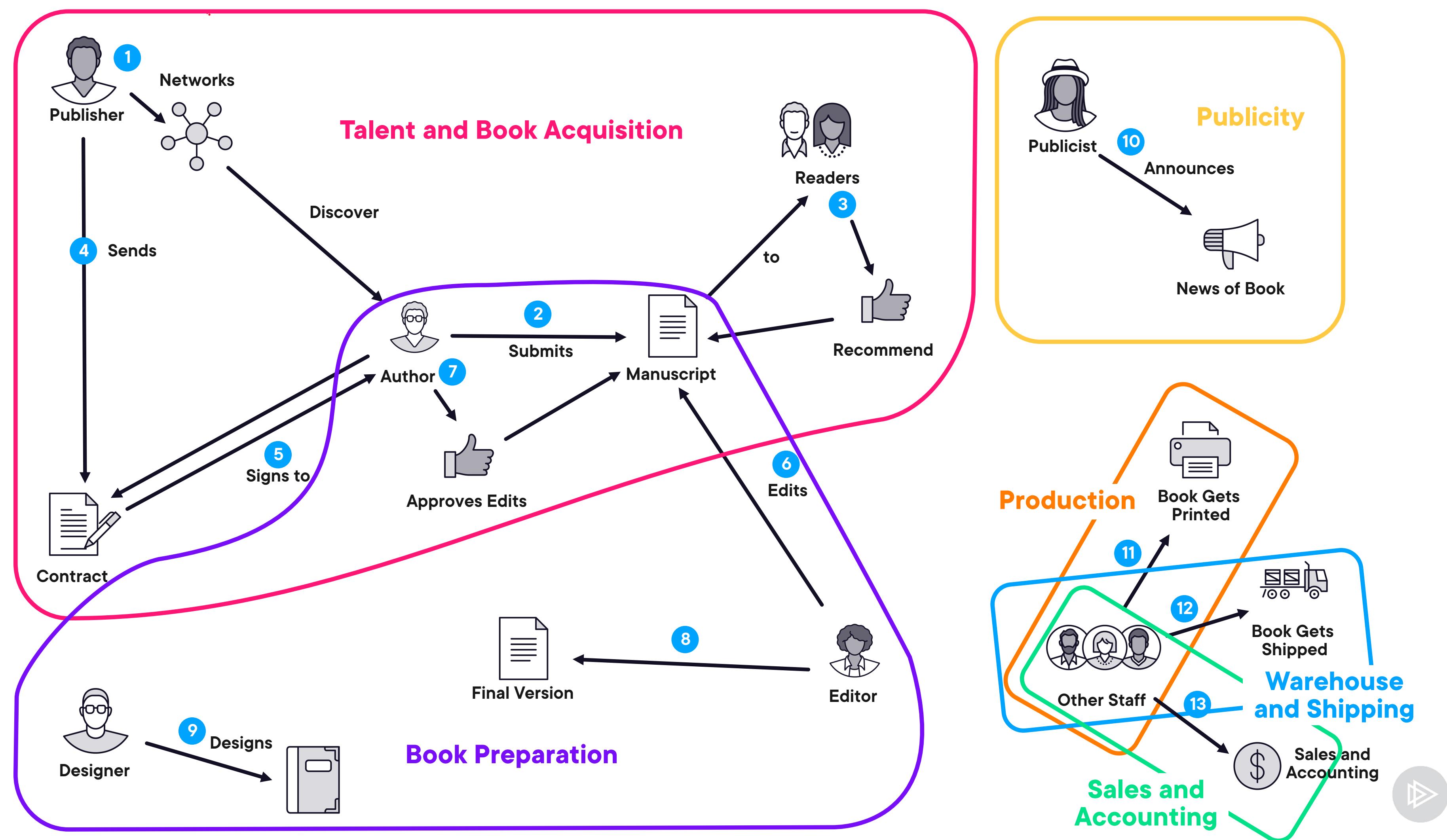














Exploring Outcomes of Strategic Design



Subdomains Identified by the Team

Book Prep

**Talent & Book
Acquisition**

**Warehouse &
Shipping**

Production

**Publicity
(CRM)**

Sales & Accounting



Subdomain Taxonomy

Core

Makes biz stand out
among competition.
**Confidential and
under our control**

Supporting

Not necessarily
unique, but we want
to control it and keep
it close to our chest.

Generic

No secrets here.
Same process as
competitors.
Use 3rd party service.



Our Subdomain Classifications

Book Prep

Supporting

**Talent & Book
Acquisition**

Core

**Warehouse &
Shipping**

Generic

Production

Generic

**Publicity
(CRM)**

Supporting

Sales & Accounting

Generic





Identifying Bounded Contexts

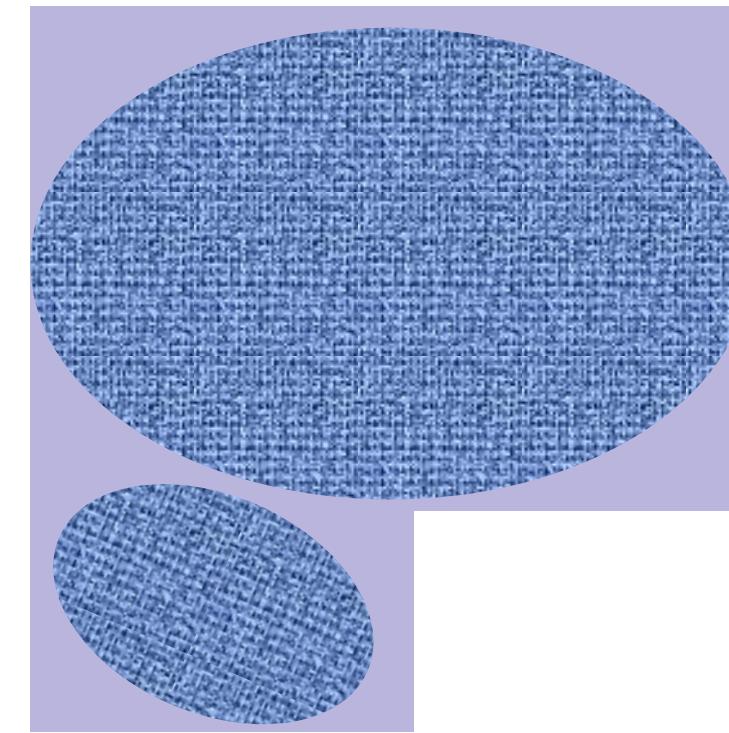
Problem Space (Subdomain) vs. Solution Space (Bounded Context)



Problem Space
Bare floor of a room



Solution Space A
Wall to wall carpet
Same shape and size
as the problem



Solution Space B
Area rugs
Clearly a different shape
and size as the problem



Bounded Contexts of the Domain

Book Prep

Editing & Design

**Talent & Book
Acquisition**

**Warehouse &
Shipping**

Production

Printing

Publicity

**Sales &
Accounting**



Bounded Contexts of the Domain

Book Prep
Editing & Design

Production
Printing

Book & Author Maintenance

Publicity

Talent & Book Discovery

Contracting

Warehouse & Shipping

Sales & Accounting



Bounded Contexts of the Domain

Book Prep
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Bounded Context Relationships

Co-operation Relationships

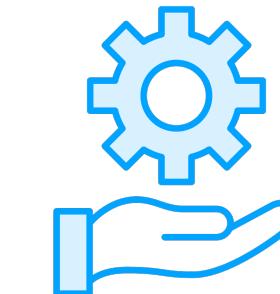


Partnership

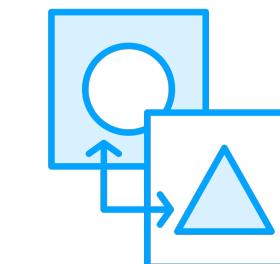


Shared Kernel

Customer/Supplier Relationships



Conformist



Anti-Corruption Layer



Open-Host Service



Bounded Context Relationships

Co-operation Relationships



Partnership

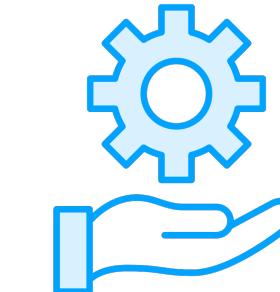
Maintain communication



Shared Kernel

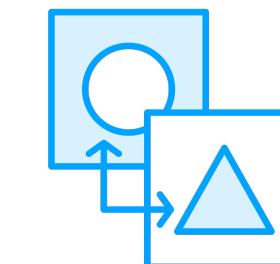
Share responsibility
Use for infrastructure

Customer/Supplier Relationships



Conformist

Supplier is in control



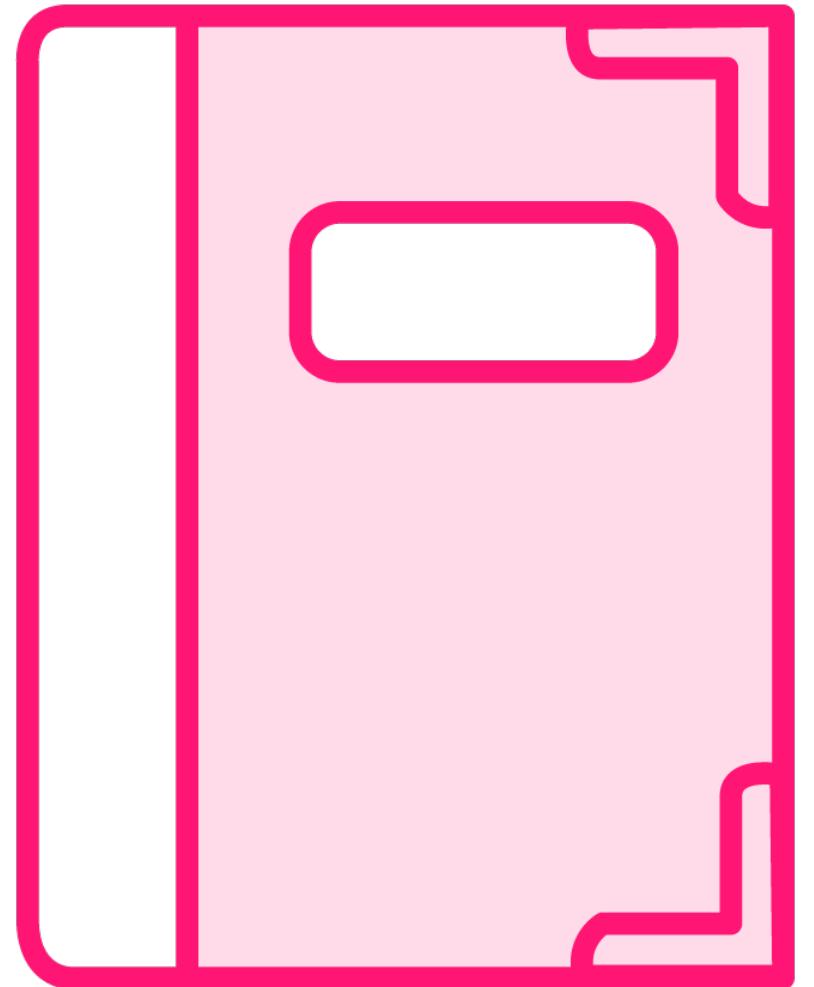
Anti-Corruption Layer

Use translators



Open-Host Service





Learning Domain-Driven Design

Vladik Khononov

O'Reilly 2022



Context Map

Book Prep
Editing & Design

OHS
(Get)

Book & Author Maintenance

Talent & Book Discovery

Warehouse & Shipping

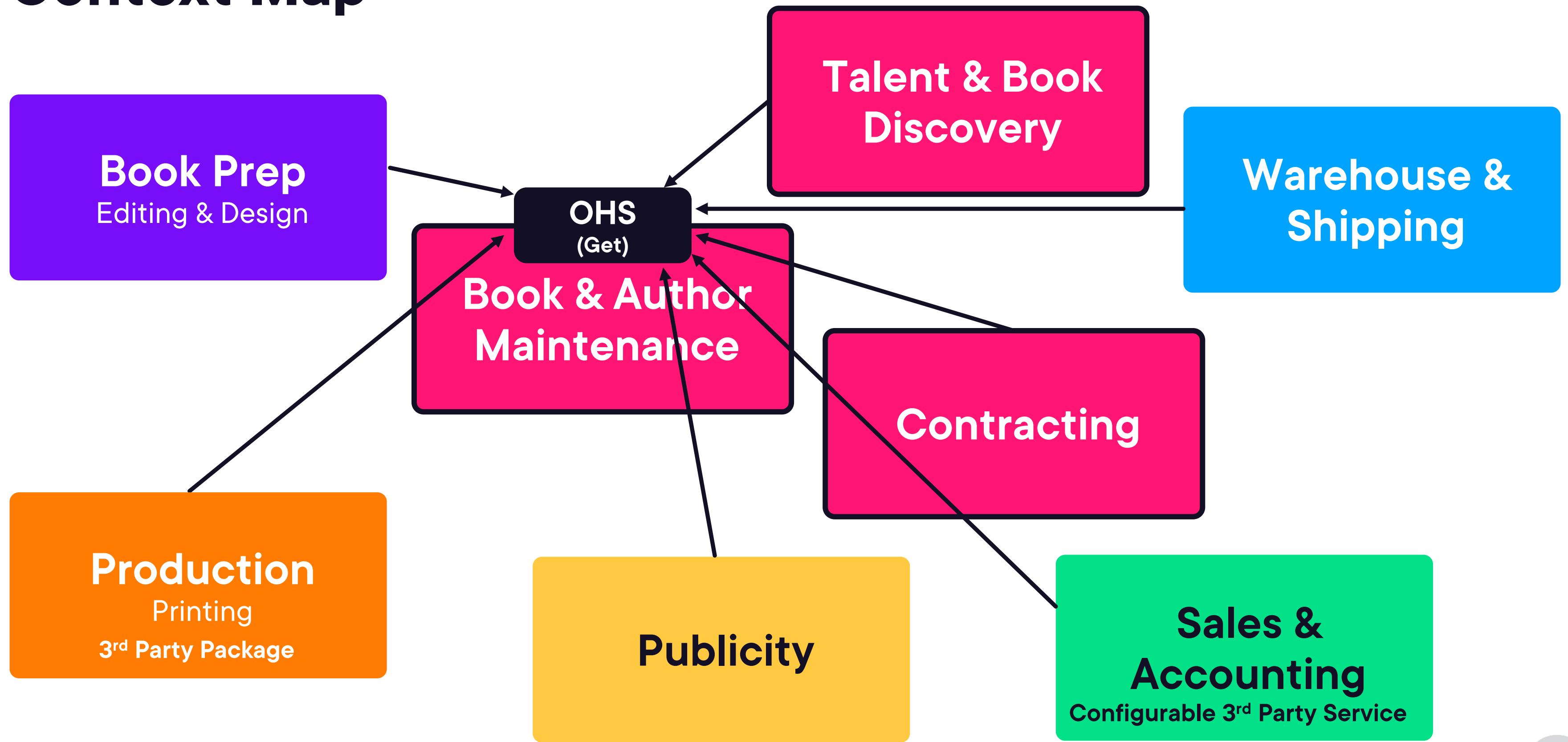
Production
Printing
3rd Party Package

Publicity

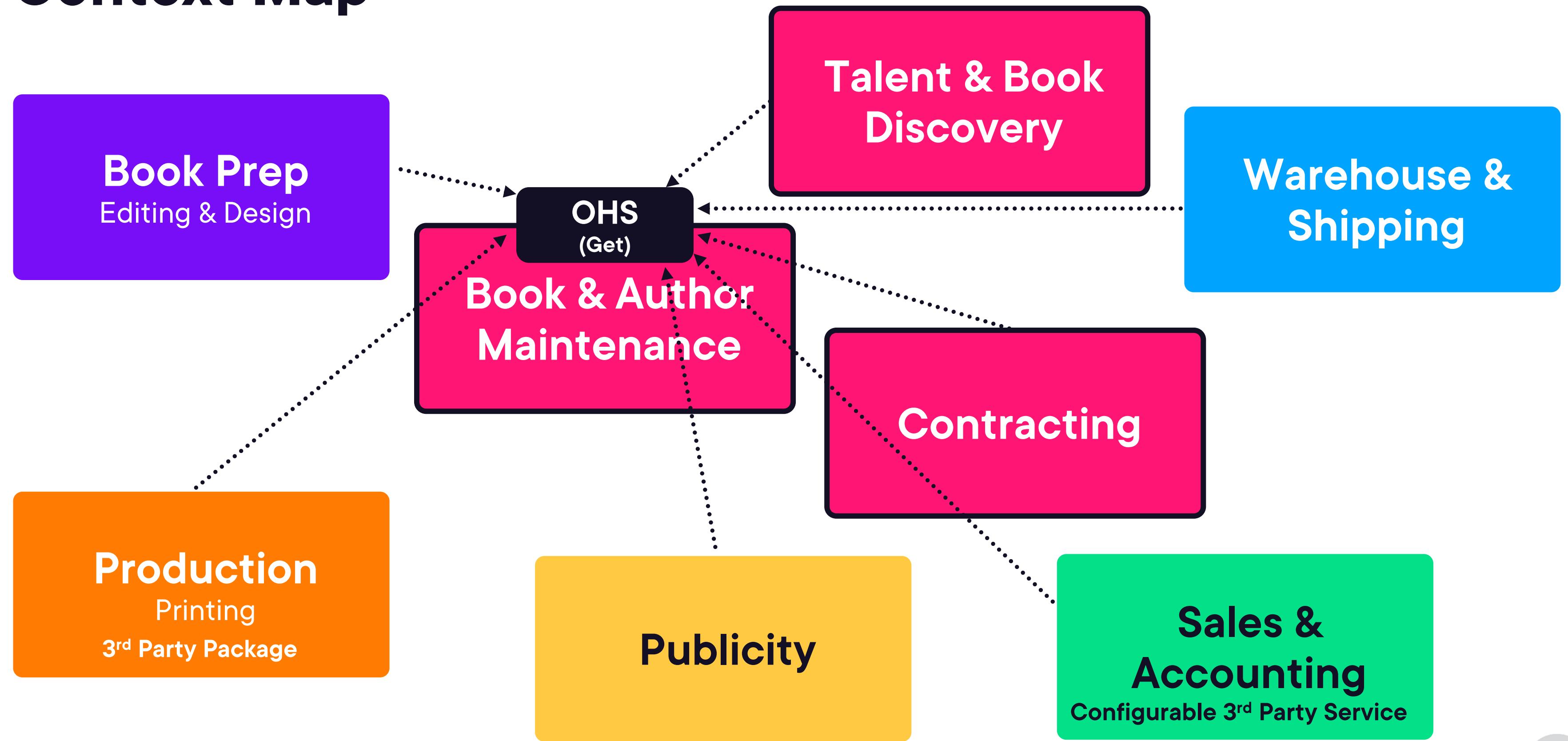
Sales & Accounting
Configurable 3rd Party Service



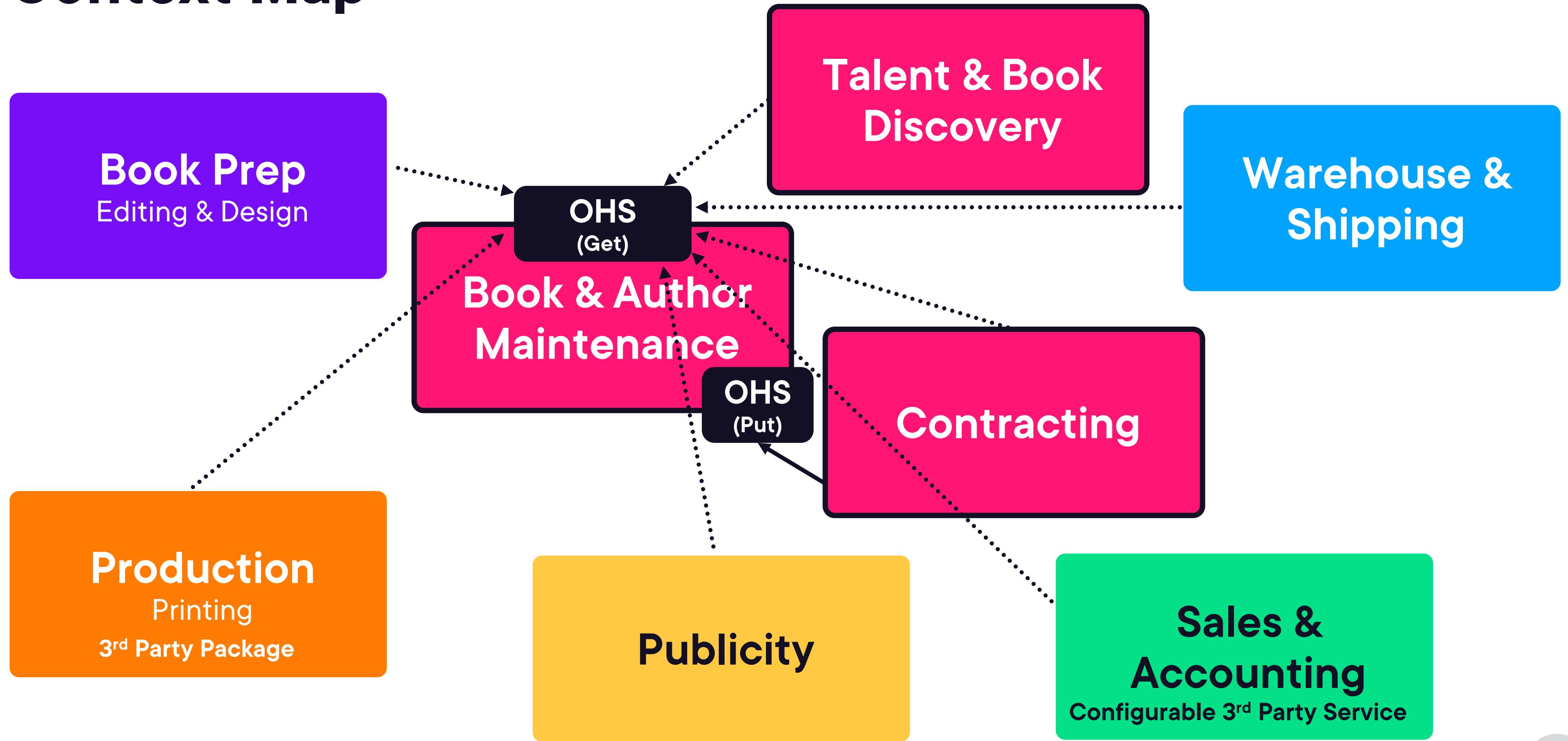
Context Map



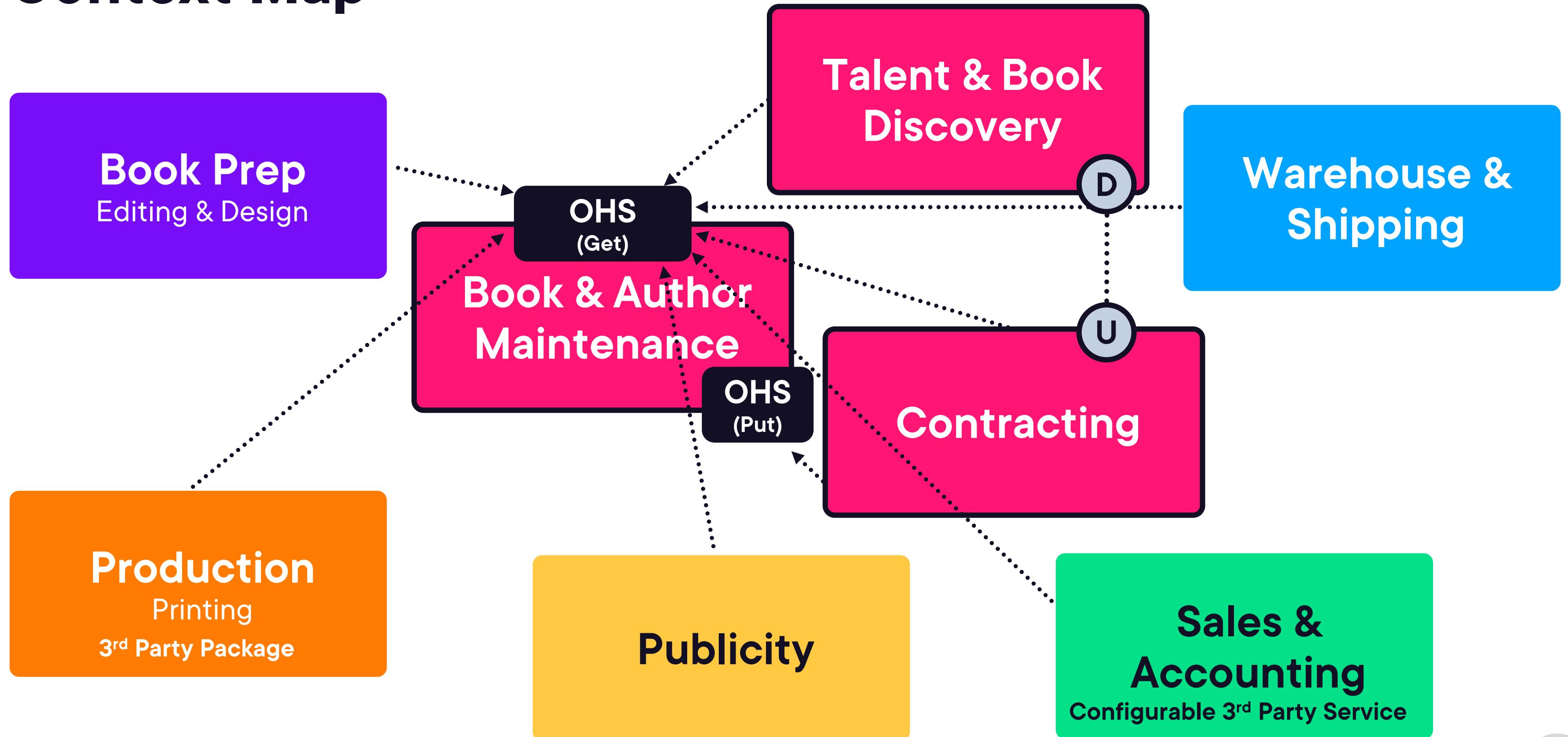
Context Map



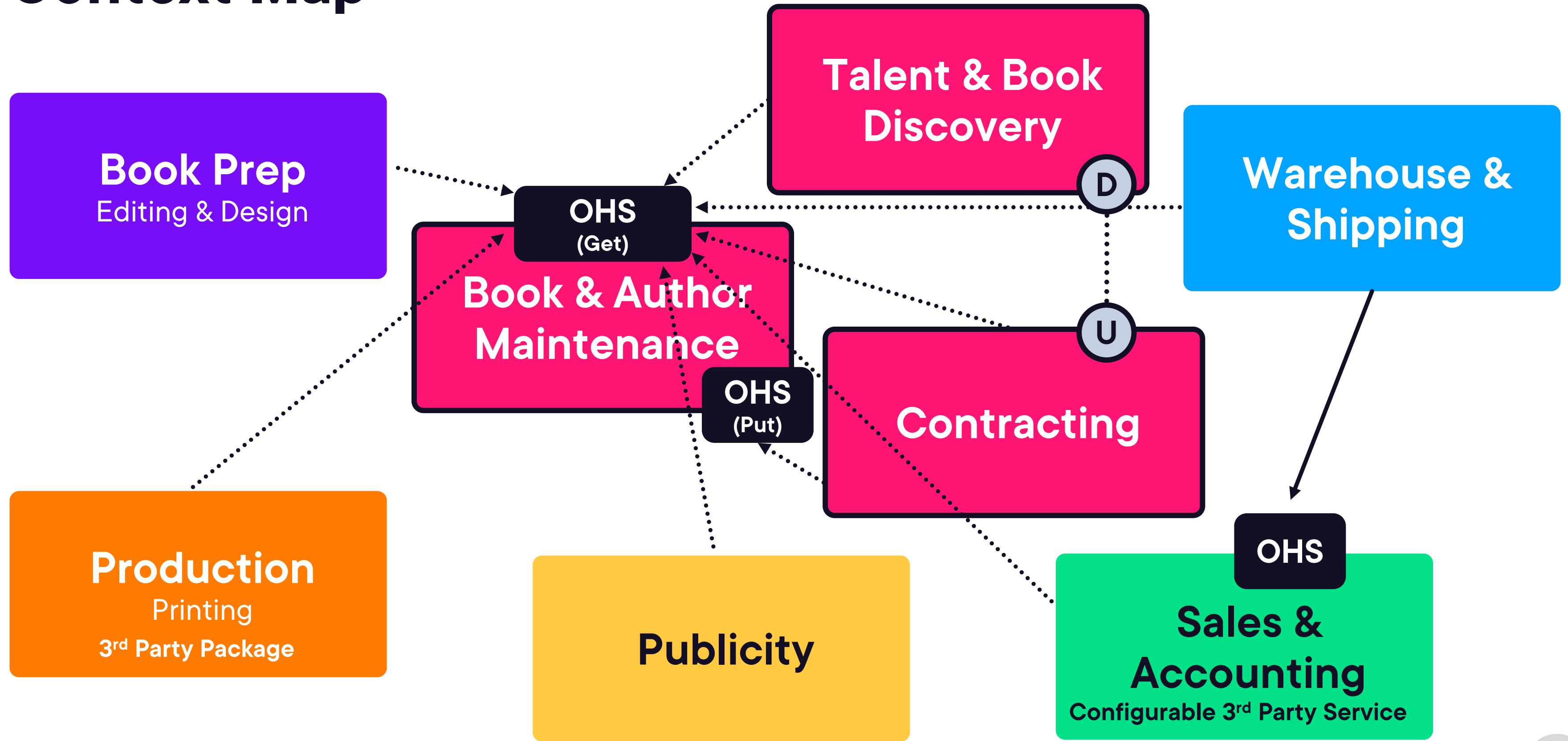
Context Map



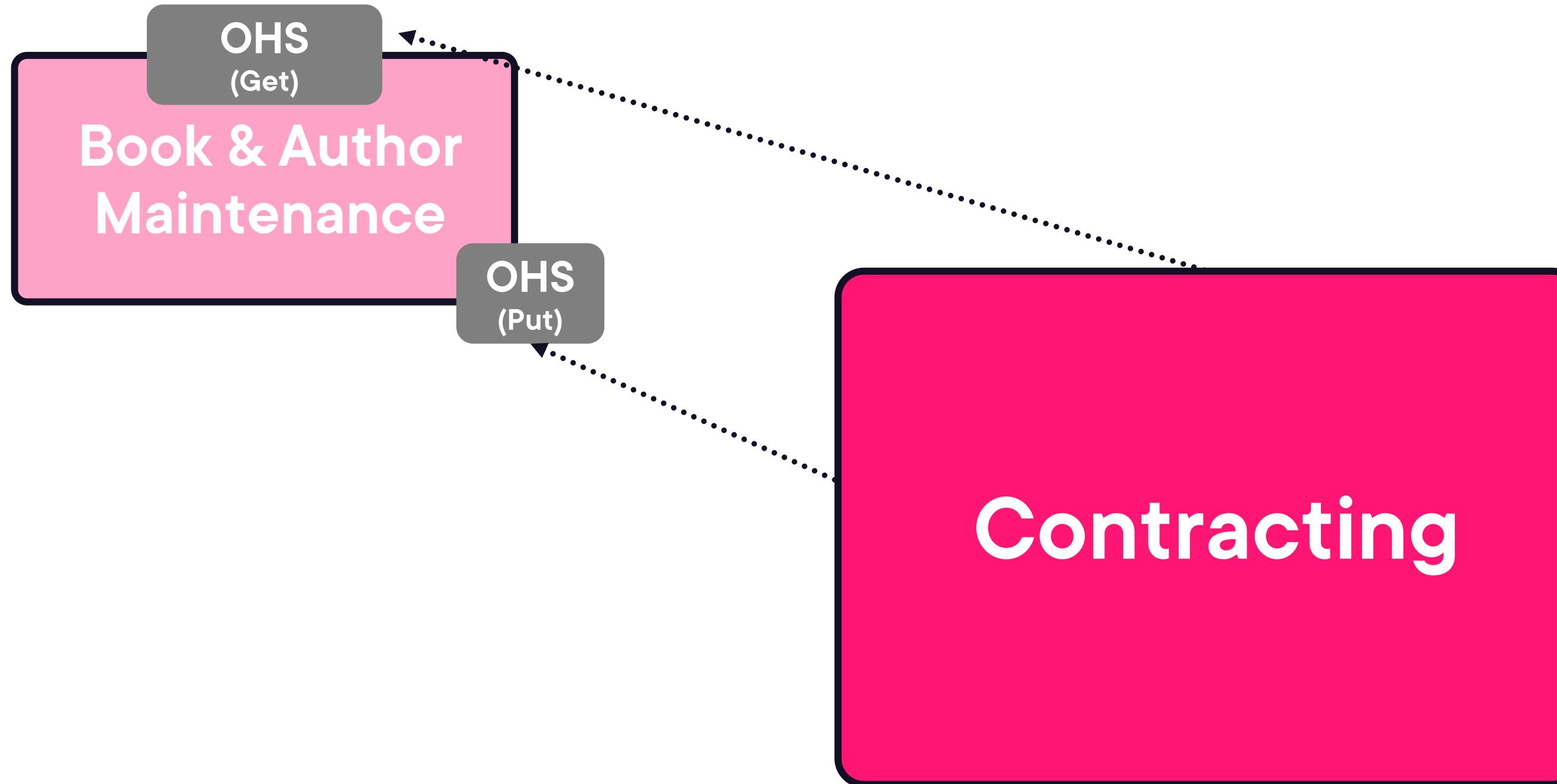
Context Map



Context Map



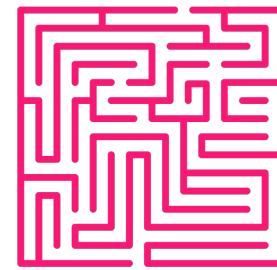
Bounded Context We'll Focus On



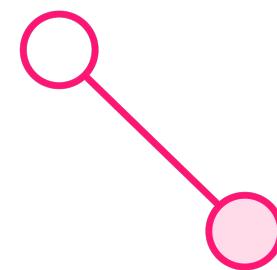
Notable Points for Contracting Bounded Context



There's no business without contracted authors & projects



Technical complexity comes from the iterations of the contract



Signed contracts lead to Book & Author maintenance which are relevant to many of the other bounded contexts.



Outcomes of Tactical Planning the Contracting Bounded Context



The Critical Classes of Contracting

**Contract
(Entity)**

Tracks the lifetime of a contract and high level details

**Contract
Version
(Entity)**

Tracks each iteration of the contract

**Contract
Spec
(Value object)**

Defines the collection of particulars of a version

**Author
(Value object)**

Authors name with an ID if previously signed



The Critical Classes of Contracting

Contract
(Entity)

Tracks the lifetime of a contract and high level details

Contract Version
(Entity)

Tracks each iteration of the contract

Contract Spec
(Value object)

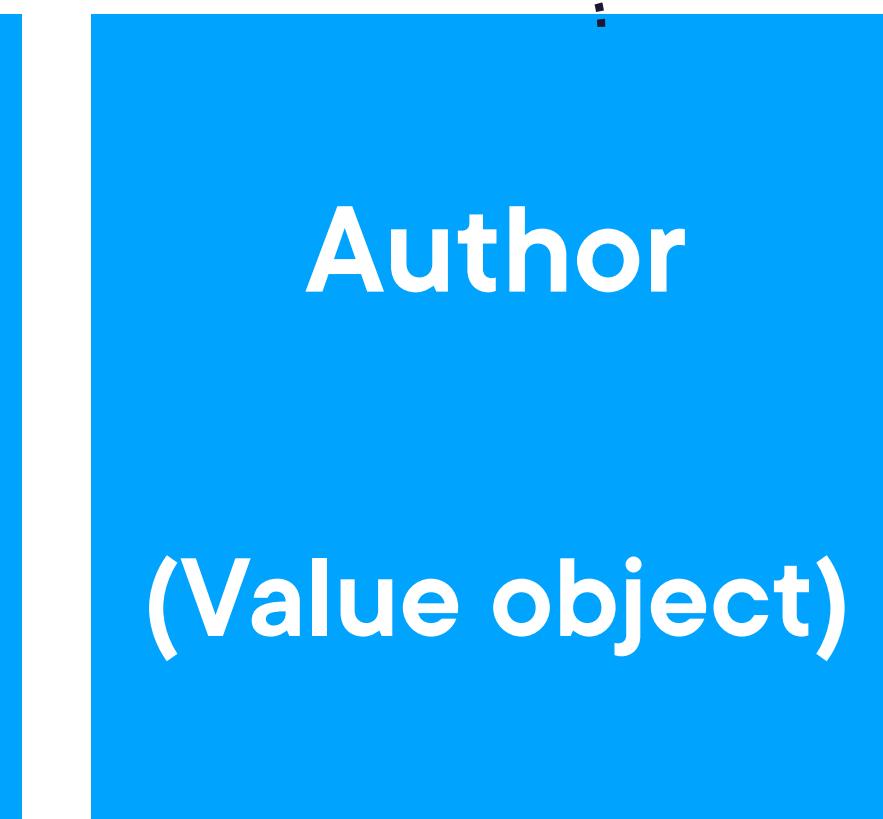
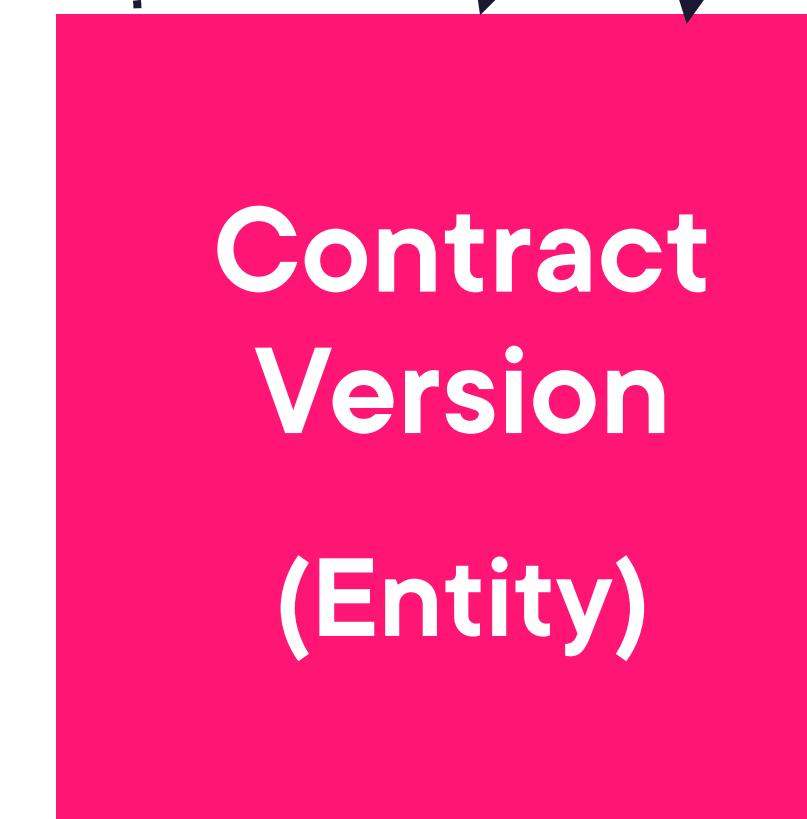
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The Critical Classes of Contracting



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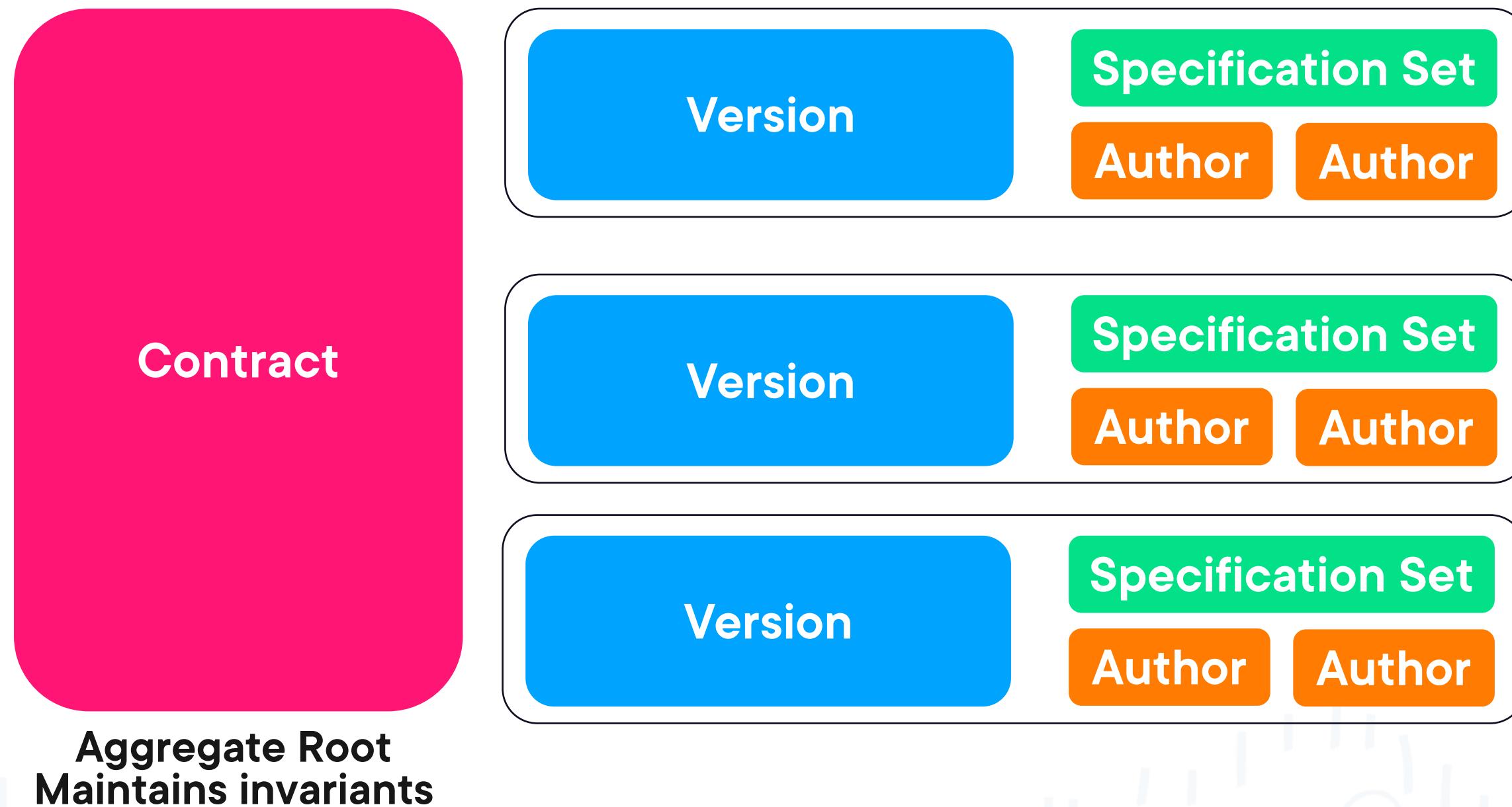
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Authors name with an ID if previously signed



The Contract Aggregate



Aggregate Behaviors to Account For



Apply default contract version with default specs to new contract



Apply naming rule for contract numbers



Any change requires a new version aka “revision”



Identify current and final versions



Finalization of contract triggers production, publicity, and author/book maintenance



Summary



Many tools for analyzing a domain

We used Domain Storytelling

Identified subdomains, then which was core, supporting and generic

Determined bounded contexts

Context map to defined BC relationships

Chose Contracting to work on

Modeled the aggregate

Highlighted some invariants



Up Next:

Exploring the Contract Domain Solution

