# Dataspace 4.0 final event
## Brussel 31/05/2024

## DSSC Blueprint

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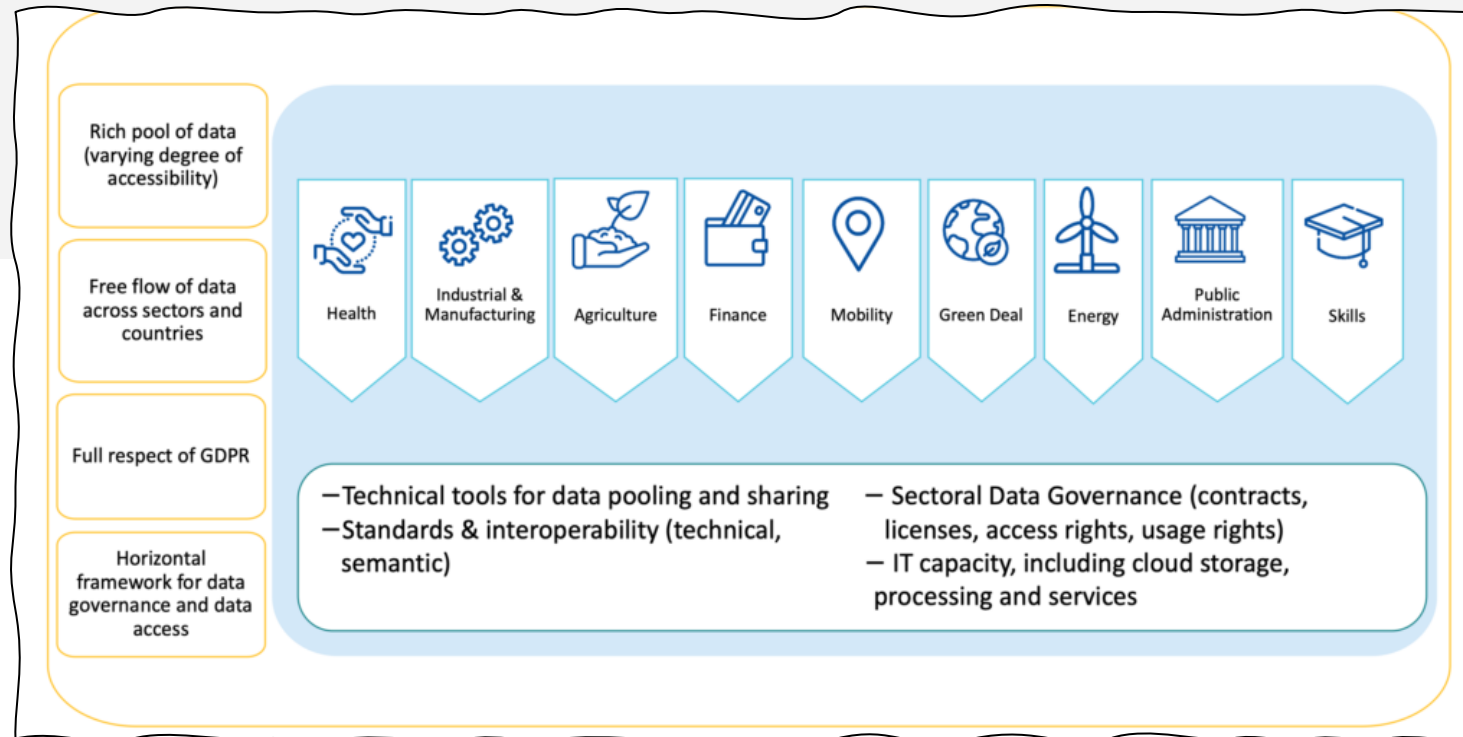
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# Context

- The **European Strategy for Data**
- Goal: achieving a common European Data Space, a single market for data

# DSSC mission

- Enable new European data spaces to **a faster start and scale-up**

- Provide the tools to address the **basic organisational and technical matters**, required by every data space

- This includes a "**Blueprint**", best practices, common standards and reference implementations which will be developed according to a **co-creation process**

- Enable dataspaces to focus on their domain-specific business challenges and **provide business benefits to their participants**
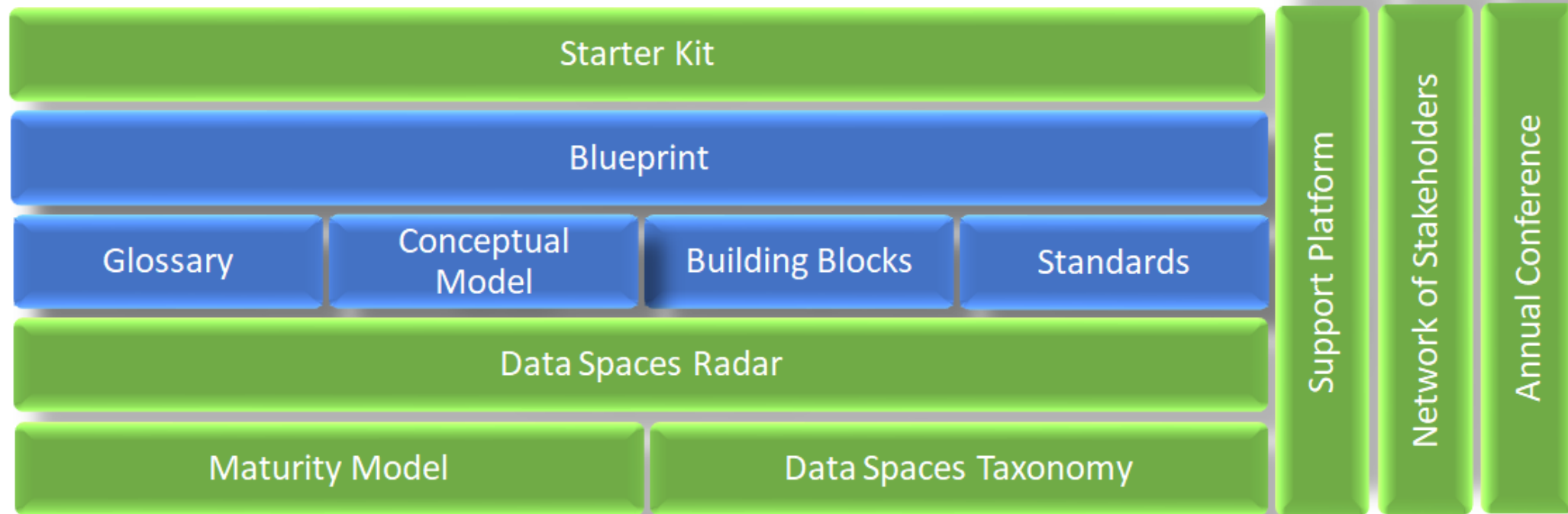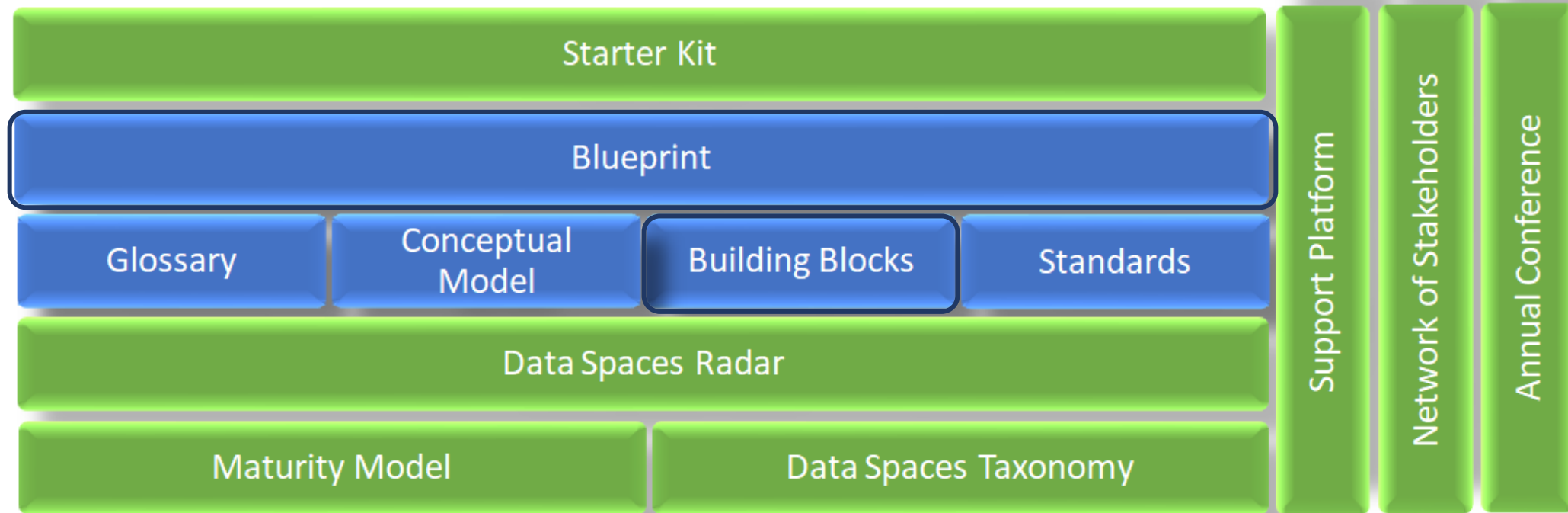
# DSSC assets

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# Blueprint v1.0 released in March 2024

https://dssc.eu/page/knowledge-base
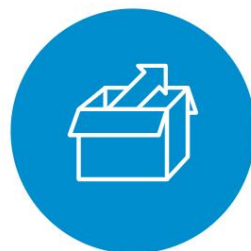


Starter Kit    Blueprint    Building Blocks    Conceptual model    Glossary

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# Blueprint elements - Building Blocks
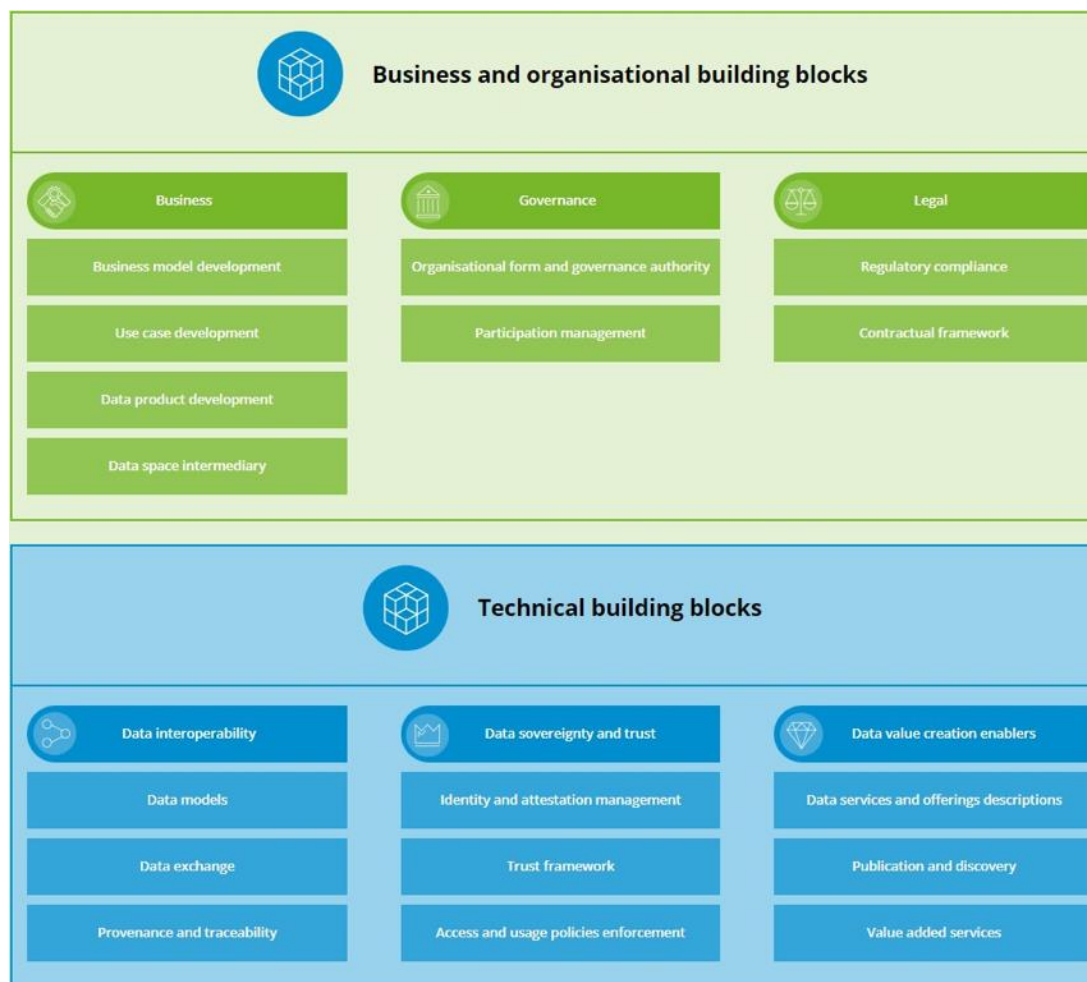


**Business and organisational building blocks**

| Business | Governance | Legal |
|---|---|---|
| Business model development | Organisational form and governance authority | Regulatory compliance |
| Use case development | Participation management | Contractual framework |
| Data product development | | |
| Data space intermediary | | |

**Technical building blocks**

| Data interoperability | Data sovereignty and trust | Data value creation enablers |
|---|---|---|
| Data models | Identity and attestation management | Data services and offerings descriptions |
| Data exchange | Trust framework | Publication and discovery |
| Provenance and traceability | Access and usage policies enforcement | Value added services |

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# Business and Organisational

# Technical Building Blocks



**Technical building blocks**

## Data interoperability

- ✓ **Vocabulary Hub** for common data models
- ✓ Approaches for **provenance & traceability**

## Data sovereignty and trust

- ✓ Attestation & Identity Management based on **W3C Verifiable Credentials** (SSI)
- ✓ Role of Trust Frameworks
- ✓ Access and usage policies based on **W3C ODRL**

## Data value creation enablers

- ✓ Usage of **DCAT** for specifying data products & services
- ✓ Role of **Value Added Services** in a data space (not only marketplaces!)

# Functional overview of software components
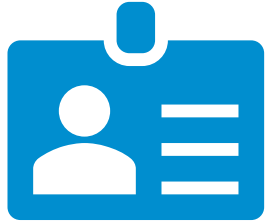
## Participant Agent

✓ Control plane vs. Data plane

✓ Participant Wallet
✓ Data, Services & Offerings Catalogue
✓ Contract Negotiation
✓ Transfer Process

## Shared Services

✓ Data Space Wallet (participants registry)
✓ Catalogue
✓ Vocabulary Hub
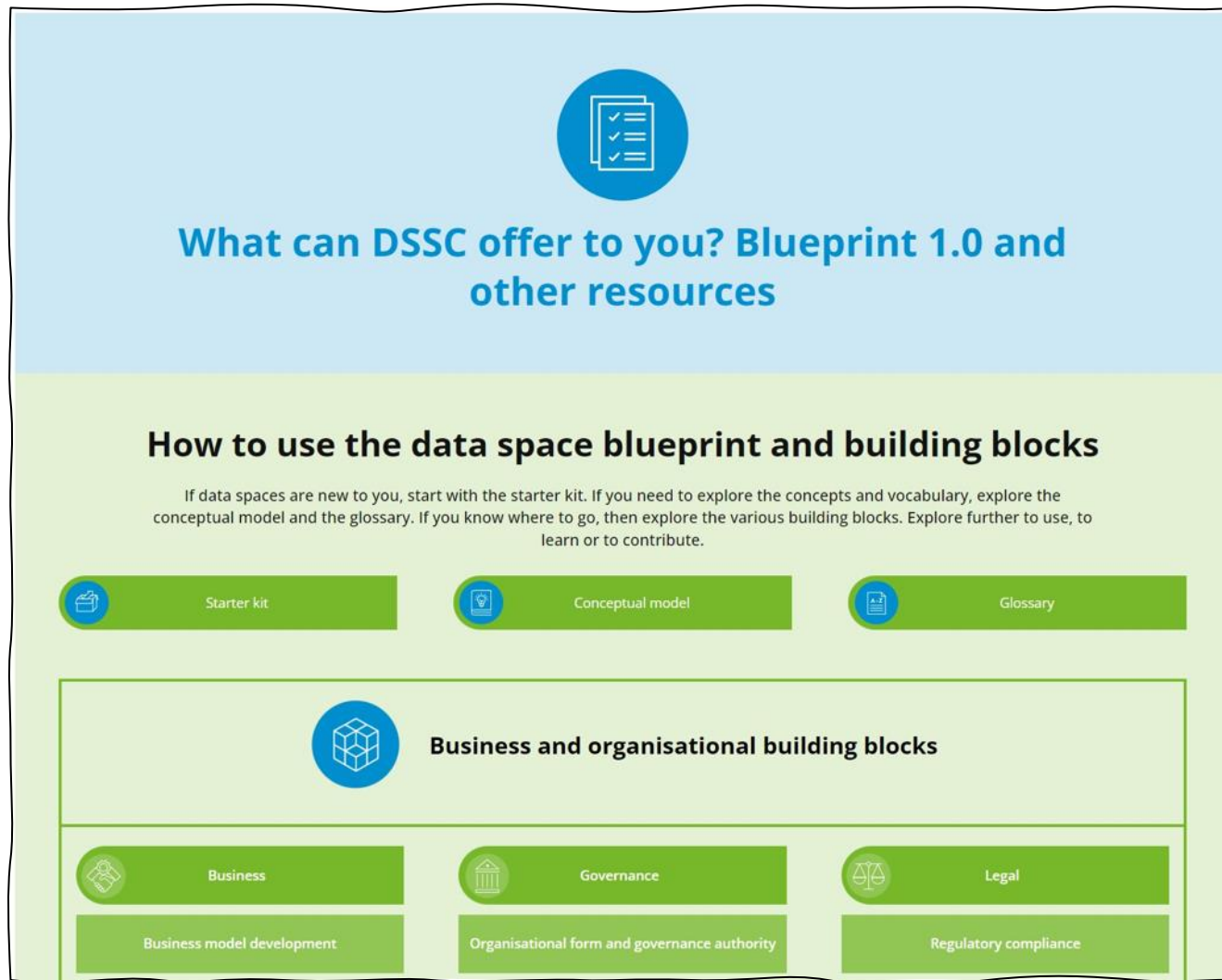✓ Notarization Service

✓ Value Added Services

*Basis for the DSSC Toolbox + alignment with SIMPL and other initiatives*

# Our message to the community

**Connect, use and contribute**

Use the DSSC Blueprint to develop or enhance the rulebook of your own dataspace

*"Comply or explain" + Contribute!*



What can DSSC offer to you? Blueprint 1.0 and other resources

### How to use the data space blueprint and building blocks

If data spaces are new to you, start with the starter kit. If you need to explore the concepts and vocabulary, explore the conceptual model and the glossary. If you know where to go, then explore the various building blocks. Explore further to use, to learn or to contribute.

| Starter kit | Conceptual model | Glossary |

**Business and organisational building blocks**

| Business | Governance | Legal |
| Business model development | Organisational form and governance authority | Regulatory compliance |

# How to make use of these assets

**The DSSC Knowledge Base provides content for different target users.**

For **Building Blocks makers**:
- Implementers of BBs
- Data Space deployment projects
- Contributors to BBs specifications
- Data Space services developers

For **Data Space makers**:
- Data Space initiatives at every stage

For **business users**:
- Data Spaces landscape
- Market analysis
- Support and services

# How to stay up to date

- News and publications at dssc.eu
  - Get support

- Join the Thematic Groups
  - Knowledge base and periodic meetings
  - Get involved

- Monthly DSSC Insights Series
  - June 6: "The free flow of data from source to fruition" (DSSC Toolbox)
  - Register

DATA SPACES
SUPPORT CENTRE

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