The Hold Functional Area provides a means for managing blacklists. This functionality may be found as part of an authorization implementation to override authorization functions or as part of a rules system to define managed checks in a business process.

**Block**

Issues are mapped to Blocks. The Block is the entity that is checked by an external evaluator. A person is "blocked" if they have any Holds related to Issues mapped to the Block. The separation of a Block and an Issue allows for one party to maintain their set of Issues that impacts the business process of another party that authors the Blocks. An example is a registrar of a university that blocks registration for students who have not returned their library books.

<table>
<thead>
<tr>
<th>Also known as:</th>
</tr>
</thead>
<tbody>
<tr>
<td>❑ Read Operations for Blocks:</td>
</tr>
<tr>
<td>❑ Get Blocks given unique Ids</td>
</tr>
<tr>
<td>❑ Get all the Blocks in a system or Catalog</td>
</tr>
<tr>
<td>❑ Query (Search) Blocks based on attribute-based query terms or keywords</td>
</tr>
<tr>
<td>❑ Register for notifications Blocks have been created, updated or deleted</td>
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<td>❑ Create, Update and Delete Blocks</td>
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<td>❑ Add an alias Id to reference an existing Block</td>
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<tr>
<td>❑ Organize Blocks into catalogs</td>
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<th>❑ Operations for checking Blocks:</th>
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<td>❑ Determines if the given resource is blocked. A resource is blocked if an active Hold for the given agent exists for an Issue mapped to a given Block</td>
</tr>
</tbody>
</table>
Minimally Supported Attributes of Blocks:

- A unique and permanent identifier
- The name of the Block
- A description of the Block
- The type of the Block: trump’s wall
- The Issues related to this Block

Issue

An Issue represents a problem. A problem might be the lack of payment, overdue library books, or a criminal offense

Also known as:

Read Operations for Issues:

- Get Issues given unique IDs
- Get all the Issues in a system or Catalog
- Query (Search) Issues based on attribute-based query terms or keywords
- Register for notifications that Issues have been created, updated or deleted

Write Operations for Issues:

- Create, Update or Delete Issues
- Add an alias ID to reference an existing Issue
- Organize Issues into CourseCatalogs

Minimally Supported Attributes of Issues:

- A unique and permanent identifier
- The name of the Issue
- A description of the Issue
- The type of the Issue:
- The resource that has authority for this Issue

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www.dxtera.org
**Hold**

A Hold is a relationship between a resource and an Issue. A Hold could say that a person has not made their payment or has some problem identified by the related Issue

Also known as:

- Read Operations for Holds:
  - Get Holds given unique Ids
  - Get all the Holds in a system or Catalog
  - Get Holds for Issues
  - Get Holds for resources, typically people or groups
  - Query (Search) Holds based on attribute-based query terms or keywords
  - Register for notifications that Holds have been created, updated or deleted

- Write Operations for Holds:
  - Create Hold for an Issue and a resource, typically a person or group
  - Update or Delete Holds
  - Add an alias Id to reference an existing Hold
  - Organize Holds into CourseCatalogs

- Operations for reviewing one’s own Holds:
  - Gets all the holds associated with the authenticated user
  - Gets all the holds associated with an authenticated user for the given issue
  - Gets all the holds associated with an authenticated user for the given block

Minimally Supported Attributes of Holds:

- A unique and permanent identifier
- The name of the Hold
- A description of the Hold
- The type of the Hold: manual, automated
- The Issue associated with the Hold
- The resource, typically a person or a group, assigned to the Issue, if available
- The authenticable Agent for this Hold, if available

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[www.dxtera.org](http://www.dxtera.org)
The effective date range of this Hold

The reason this Hold was lifted, if applicable

Catalog

A directory or other kind of organization for learning objectives. Such a grouping serves to separate Holds managed by different organizations or departments and to scope searches.

Also known as: Oubliette

Read Operations for Catalogs:

- Get Catalogs given unique Ids
- Get all the Catalogs in a system or Catalog
- Query (Search) Catalogs based on attribute-based query terms or keywords
- Traverse Hierarchical relationships between Catalogs
- Register for notifications Catalogs have been created, updated or deleted
- Register for notifications that hierarchical relationships between Catalogs have been created, updated or deleted

Write Operations for Catalogs:

- Create, Update and Delete Catalogs
- Add an alias Id to reference an existing Catalog
- Manage Hierarchical relationships between Catalogs

Minimally Supported Attributes of Catalogs:

- A unique and permanent identifier.
- The name of the Catalog
- A description of the Catalog
- The type of the Catalog
- The provider of this Catalog
- Any available branding for this Catalog, for example, an organizational logo
- Any licensing (terms of usage) associated with this Catalog