

# Data Sharing API

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Data sharing and permissions in XNAT are a complex topic. For more detail on what sharing behaviors are supported in XNAT, see [How To Share Data in XNAT](#).

## Share Subject And Its Experiments Into A New Project

```
PUT - /data/projects/{original-project-id}/subjects/{subject-id | subject-label}/projects/{shared-project-id}
```

### Parameters

<b>{original-project-id}</b>	Required path parameter. Specify the ID of the project that owns a given subject.
<b>{subject-id} or {subject-label}</b>	Required path parameter.
<b>{shared-project-id}</b>	Required path parameter. Specify the ID of the project that you intend a subject to be shared into. <div style="border: 1px solid #ffc107; padding: 5px; margin-top: 10px;"> Logged-in user must have ownership permissions in the shared project.</div>
<b>label</b>	Optional querystring parameter. Specify a new label for this subject that will be used in the shared project, if desired.
<b>primary</b>	Optional querystring parameter. <ul style="list-style-type: none"><li>• If set to "true", you are changing the primary ownership of the subject from the original project to the new project.</li></ul> <div style="border: 1px solid #ffc107; padding: 5px; margin-top: 10px;"> Logged-in user must have ownership permissions in both projects to change the primary ownership.</div>
<b>format</b>	Optional querystring parameter. Specify the format of the returned response. <ul style="list-style-type: none"><li>• html (default)</li><li>• json</li><li>• xml</li><li>• csv</li></ul>

### Response Codes

<b>200</b>	OK
<b>403</b>	Forbidden – User does not have permission to perform the requested operation
<b>404</b>	Not Found – Project ID not recognized
<b>409</b>	Conflict – Attempting to write data into an XNAT object that already exists

### Response Format

Returns the subject metadata from the original project

## Get A List Of Shared Projects Associated With A Subject

This query will return a list of all projects associated with a subject. The root project ID in the URI can be either a project that owns the subject or a shared project.

```
GET - /data/projects/{project-id}/subjects/{subject-id | subject-label}/projects
```

### Parameters

<b>{project-id}</b>	Required path parameter
<b>{subject-id} or {subject-label}</b>	Required path parameter
<b>format</b>	Optional querystring parameter. Specify the format of the returned response. <ul style="list-style-type: none"><li>• html (default)</li><li>• json</li><li>• xml</li><li>• csv</li></ul>

### Response Format

Displaying JSON results. Note that the response does not specify which project owns a subject.

```
{
  "ResultSet": {
    "Result": [
      {
        "label": "string",
        "ID": "string",
        "Secondary_ID": "string",
        "Name": "string"
      },
      ...
    ]
  }
}
```

## Share An Experiment Into A New Project





Sharing an experiment by itself has no effect if the subject that owns the experiment is not also shared.

```
PUT - /data/projects/{original-project-id}/subjects/{subject-id | subject-label}/experiments/{experiment-id | experiment-label}/projects/{shared-project-id}
```

### Parameters

<b>{original-project-id}</b>	Required path parameter. Specify the ID of the project that owns a given subject.
<b>{subject-id} or {subject-label}</b>	Required path parameter.
<b>{experiment-id} or {experiment-label}</b>	Required path parameter.

<b>{shared-project-id}</b>	<p>Required path parameter. Specify the ID of the project that you intend a subject to be shared into.</p> <div style="border: 1px solid #ffc107; padding: 5px; margin-top: 10px;">  Logged-in user must have ownership permissions in the shared project. </div>
<b>label</b>	Optional querystring parameter. Specify a new label for this experiment that will be used in the shared project, if desired.
<b>primary</b>	<p>Optional querystring parameter.</p> <ul style="list-style-type: none"> <li>If set to "true", you are changing the primary ownership of the experiment from the original project to the new project.</li> </ul> <div style="border: 1px solid #ffc107; padding: 5px; margin-top: 10px;">  Logged-in user must have ownership permissions in both projects to change the primary ownership. </div>

#### Response Codes

<b>200</b>	OK
<b>403</b>	Forbidden (User does not have permission to perform the requested operation)
<b>404</b>	Project Not Found
<b>409</b>	Conflict Found – Attempting to share data into an object that already exists

#### Response Format

Returns the experiment accession ID as a string

## Get A List Of Shared Projects Associated With An Experiment

```
GET - /data/projects/{original-project-id}/subjects/{subject-id | subject-label}/experiments/{experiment-id | experiment-label}/projects
```

#### Parameters

<b>{original-project-id}</b>	Required path parameter. Specify the ID of the project that owns a given subject.
<b>{subject-id} or {subject-label}</b>	Required path parameter.
<b>{experiment-id} or {experiment-label}</b>	Required path parameter.
<b>format</b>	<p>Optional querystring parameter. Specify the format of the returned response.</p> <ul style="list-style-type: none"> <li>html (default)</li> <li>json</li> <li>xml</li> <li>csv</li> </ul>

#### Response

Displaying JSON results. Note that the response does not specify which project owns an experiment.

```
{
  "ResultSet": {
    "Result": [
      {
        "label": "string",
        "ID": "string",
        "Secondary_ID": "string",
        "Name": "string"
      },
      ...
    ]
  }
}
```