

# Technology Transfer Public API

<https://technology-api.ndc.nasa.gov>

## Search Query

The T2 API is designed around REST (Representational State Transfer) and responses are available in JSON format.

Build your data query using the following url syntax:

```
https://technology-api.ndc.nasa.gov/api/{patent|patent_issued|software|spinoff}/[keywords]
```

Query examples:

```
https://technology-api.ndc.nasa.gov/api/patent/rocket
https://technology-api.ndc.nasa.gov/api/software/visualization
https://technology-api.ndc.nasa.gov/api/spinoff/polymers
```

The Center, Category, SubCategory, Release\_type parameter take multiple inputs separated by '-'

Query example:

```
https://technology-api.ndc.nasa.gov/api/ARC-JSC/software/category|release_type/operations-propulsion-system testing|U.S. Government Purpose Release-Open Source/test
```

Sample result of a search result:

```
{
  "results": [
    [
      "53f657075904da2c9fc2fe72",
      "ARC-14653-2",
      "Air traffic management evaluation tool",
      "Methods for evaluating and implementing air traffic management tools.",
      "patent_ARC-14653-2",
      "aeronautics",
      "",
      "",
      "",
      "ARC"
    ]
  ],
  "count": 1,
  "total": 1,
  "perpage": 10,
  "page": 0
}
```

Schema for each "result" item:

```
[
  "ID" : "Unique database record identifier",
  "REFERENCE NUMBER" : "Unique NTTS record identifier",
  "TITLE" : "Title of the technology",
  "ABSTRACT" : "Abstract of the technology",
  "CLIENT RECORD ID" : "Same as reference number",
  "CATEGORY" : "Portfolio category",
  "RELEASE TYPE" : "Software release type of software (for Software Catalog
results)",
  "CATALOG NOTE" : "Notes for released software (for Software Catalog
results)",
  "SW URL" : "Open source software download link (for Software Catalog
results)",
  "CENTER" : "NASA field center responsible for technology",
  "IMAGE URL" : "URL for main image (for patent results)",
  "SUBCATEGORY" : "Currently not available"
]
```

## Record Retrieval

Using the Reference Number of each result, detailed information can be retrieved using the API.

[https://technology-api.ndc.nasa.gov/api/patent/geturl/\[REFERENCE NUMBER\]](https://technology-api.ndc.nasa.gov/api/patent/geturl/[REFERENCE NUMBER])

The following example retrieves information on the technology “KSC-TOPS-1” using its reference number for the search result:

<https://technology-api.ndc.nasa.gov/api/patent/geturl/KSC-TOPS-1>

Data returned for record retrieval requests are returned in JSON format and the title of each field is included in each result.