



What's New in NPS DataStore Release 2.11

Have you ever wanted DataStore users to be able to visit your ORCID record to see all your scholarly activities and publications? Or have you wanted to post a list of all Published Reports about mammals in your national park on your park's web page? If so, read on to learn more about several new features:

- ORCID iDs
- Within-Series Saved Search
- New required fields for Project Reference
- Updates to v6 web services and new features in v7 web services to allow large file uploads and setting 508 compliance
- New support email address NRSS_DataStore@nps.gov

ORCID iDs: Persistent Identifiers for Researchers

An ORCID iD is a persistent identifier that distinguishes a researcher from every other researcher and links to the researcher's record of professional activities and scholarly products. ORCID iDs can be added to DataStore records. The green ORCID iD icon displays next to record holders' names on the reference profile page (Figure 1). Clicking on the icon takes a user to the researcher's related ORCID record.

The screenshot shows a web interface for a reference citation. At the top, it displays 'Citation' as 'Vanderbilt K  and Others. 2024. Example Published Report. National Park Service. Fort Collins, CO' and 'Visibility' as 'Public'. Below this, 'Citation with All Authors' lists 'Vanderbilt K , Baker R , Patterson J . 2024. Example Published Report. National Park Service. Fort Collins, CO'. The 'Reference Type' is 'Published Report (Code: 2303093)'. A navigation bar includes tabs for 'Core Info', 'Permissions', 'Units and Geography', 'Keywords', 'Taxonomy', and 'History'. The 'Core Info' tab is active, showing 'Title' as 'Example Published Report', 'Date Published' as 'January 22, 2024', 'Author(s)' as 'Kristin Vanderbilt  (National Park Service); Robert Baker  ; Judd Patterson 

Figure 1. Reference citation illustrating placement of ORCID iD icon next to personnel names.

How to Obtain an ORCID iD and Add It to References

1. Researchers can get an ORCID iD at <https://orcid.org>.
2. The ORCID iD can be added to a researcher's Active Directory listing. There are instructions [here](#). These instructions also describe how to enable auto-update of an ORCID profile when new references are added to DataStore.
3. If an ORCID iD is in a researcher's Active Directory listing, then it will be added to DataStore automatically when a reference owner selects the new "NPS Individual" choice from the Add Person/Organization dropdown list (Figure 2). ORCID iDs can also be typed into the ORCID field.

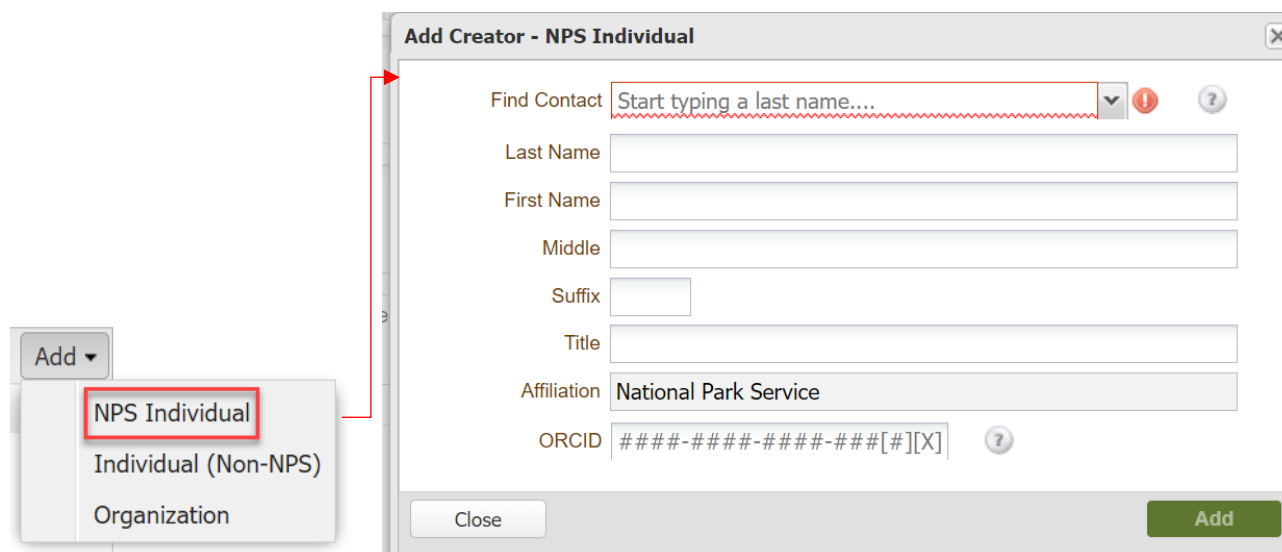


Figure 2. A user can select "NPS Individual" to search for NPS personnel in Active Directory. If the ORCID iD has been entered into Active Directory, it will automatically be added to DataStore.

Within-Series Saved Search

Users have long sought a way to search within DataStore series, such as the Natural Resource Report Series, for references from their park. In this release, we introduce the ability to search for such a list and then post it as a Saved Search or Collection on a park web page using CMS widgets. Creating these searches is for internal DataStore users and is not accessible to the public.

Here's how it works:

There are three steps to the Within-Series Search:

1. Choose the types of series you want to search within. Types of series include Published Reports, Journals, Projects, Conference Proceedings, Newsletters, Newspapers, and Maps.
2. Filter for the specific series you want to search within (e.g., Natural Resource Reports, Cultural Landscape Reports).
3. Filter on title, content and producing unit, keyword, and authors for the final set of references. This list of references can be saved to a Collection or a Saved Search.

EXAMPLE: Suppose you want to find all documents within series that are about cultural resources to post on your National Capitol Region (NCR) website. Here is what the search could look like:

1. Select all document reference types and click “Apply Filter” (Figure 3). The second search panel will appear.

Step 1: Select Series Reference Types

a. Select the series type(s) within which to search for linked references. (For example, you may want to search in Journals and Published Reports.)
b. Click “Apply Filter” and the second search panel will appear.

Remove		Conference Proceeding Series	▼
Remove	OR ▼	Journal	▼
Remove	OR ▼	Newsletter	▼
Remove	OR ▼	Newspaper	▼
Remove	OR ▼	Published Report Series	▼

Figure 3. In this example, all document series reference types in DataStore are selected.

2. The second search panel initially displays 10,376 references. Since you want only series that are about cultural resources, you could search series Title for the word “cultural” in the left panel. Clicking “Apply Filter” in the left panel returns 24 results (Figure 4). To search for documents within all 24 series, you would select all the series and click “Apply Filter” at the top of the grid on the right. The third search panel will then appear.

Step 2: Select Specific Series To Search Within

Select the names of series within which you want to search for linked references. For instance, you may want to search for Published Reports in Published Report Series with the word "Cultural" in the title of the Published Report Series. To do this:

- Enter "Title" contains "Cultural". The * character is a wildcard.
- Click "Apply Filter." The results grid on the right will be populated with series having "Cultural" in the title.
- Put a check mark next to the specific series within which you want to search for linked references.
- Click "Apply Filter" at the top of the grid and the third search panel will appear. If there are no references linked to series selected in Step 2, the Step 3 results grid will be empty.

Text Search Parameters

Remove Title contains cultural

Add Filter

Text search tips

Series Items

☐	Code	Year	Type	Title
☐	2180647	2011	Published Report Se...	Cultural Landscapes Inventory Report
☐	2180645	2011	Published Report Se...	Cultural Landscape Report
☐	2181248	2011	Published Report Se...	Cultural Landscape Management Plans
☐	2252875	2018	Published Report Se...	Combined Historic Structure Report and Cultural Landscape Report
☐	2198070	2013	Published Report Se...	Cultural Landscape - Miscellaneous
☐	2198071	2013	Published Report Se...	Cultural Landscape Guidance Documents
☐	2218454	2014	Published Report Se...	Jimmy Carter National Historic Site Cultural Resource Series
☐	2193491	2013	Published Report Se...	Cultural Resources Report
☐	2191027	2012	Published Report Se...	Cultural Affiliation Study
☐	2182099	2012	Published Report Se...	Intermountain Cultural Resource Management Professional Papers
☐	2184476	2012	Conference Proceed...	Proceedings of the 2011 George Wright Society Conference on Parks, ...
☐	2013581	2010	Journal	CRM (Cultural Resources Management)
☐	2013582	2010	Journal	CRM (Cultural Resources Management)
☐	2013583	2010	Journal	CRM (Cultural Resources Management)
☐	2013598	2010	Journal	Cultural Resource Management
☐	2013599	2010	Journal	Cultural Resources Management (CRM) bulletin
☐	2013600	2010	Journal	Cultural Resources Management Division
☐	2013601	2010	Journal	Cultural Resources Management Division, NPS
☐	2013602	2010	Journal	Cultural Resources Management, NPS
☐	2013603	2010	Journal	Cultural Survival Quarterly
☐	2016266	2010	Journal	Journal of Urban and Cultural Studies
☐	2008850	2010	Published Report Se...	Selections from the Division of Cultural Resources
☐	2166269	2010	Published Report Se...	Southwest Cultural Resources Center Professional Papers
☐	2020487	2010	Journal	Typed MS, Division of History, SW Cultural Resources Center, SW Regio...

Page 1 of 1 Records per Page 50 Displaying 1 - 24 of 24

Figure 4. Filtering on the word "cultural" in the left panel returns the names of 24 specific document series with "cultural" in the title. The user then chooses the specific document series to search within and clicks "Apply Filter" in the right panel.

- Finally, you want only the references for the National Capital Region (NCR). In the third search panel (Figure 5), you can filter on Content Unit = "National Capital Region (NCR)" in the left panel. Click "Apply Filter" and the file grid on the right contains 169 references. You can choose all of them or select a subset.
- You can save your selected references as a Saved Search or a Collection. The button "Add selected to a Collection" is above the grid in the right panel. The "Saved Searches" button can be found at both the top and bottom of the page. The Saved Search or Collection can be displayed on park web pages using CMS widgets.

Step 3: Filter References That Are Linked To The Specific Series From Step 2

a. Enter parameters to filter by. You must click "Apply Filter" when filtering with Text Search Parameters, Units, and Date Range. Digital Files, By or For the NPS, and Visibility filter automatically.
b. Put a check mark next to the references you want to include in a Saved Search or Collection.
c. Click "Add selected to a Collection" at the top of the results grid or "Saved Searches" at the top or bottom of the search window. **Note:** If the result set contains more than 50 references, you will have to visit each page of the grid to select all references.

Search Parameters

Text Search Parameters

Units

Remove Content Unit National Capital Region (NCR)

Date Range

Digital Files

By or for the NPS

Visibility

Results

☒ Add selected to a Collection ☒ De-select All (9) rows selected

☐	Code	Year	Type	Title
☒	2184709	2011	Published Report	Farragut Square: Cultural Landscape Inventory, National Mall & Me...
☒	2185260	2008	Published Report	Cultural Landscape Report for the United States Army and Potom...
☐	2198117	1999	Published Report	Monocacy National Battlefield: Cultural Resources Study
☐	2264719	2019	Published Report	National Park Service Golf Courses in the District of Columbia East ...
☐	2184707	2006	Published Report	The Mall: Cultural Landscape Inventory, National Mall, National Par...
☒	2184717	2008	Published Report	Constitution Gardens: Cultural Landscape Inventory, National Mall ...
☒	2184718	2009	Published Report	DC War Memorial: Cultural Landscape Inventory, National Mall & M...
☒	2240482	2016	Published Report	East Potomac Golf Course: Cultural Landscape Inventory, National ...
☐	2184678	2010	Published Report	Camp Hill: Cultural Landscape Inventory, Harpers Ferry National Hi...
☐	2184714	2008	Published Report	Columbus Plaza: Cultural Landscape Inventory, National Mall & Me...
☐	2240481	2017	Published Report	Rock Creek Golf Course: Cultural Landscape Inventory, Rock Creek ...
☒	2184710	2011	Published Report	Franklin Park: Cultural Landscape Inventory, National Mall & Memo...
☒	2184708	2006	Published Report	Union Square: Cultural Landscape Inventory, National Mall, Nationa...
☒	2184748	2009	Published Report	Washington Monument Grounds: Cultural Landscape Inventory, Wa...
☒	2184751	2011	Published Report	McPherson Square: Cultural Landscape Inventory, National Mall & ...
☐	2184659	2009	Published Report	Lady Bird Johnson Park: Cultural Landscape Inventory, George Was...
☐	2184750	2018	Published Report	Camp Misty Mount: Cultural Landscape Inventory, Catoclin Mountai...
☐	2184626	2009	Published Report	Arlington House: The Robert E. Lee Memorial: Cultural Landscape I...
☐	2184662	2009	Published Report	Brawner Farmstead: Cultural Landscape Inventory, Manassas Natio...
☐	2211447	2014	Published Report	Unfinished Railroad: Cultural Landscape Report, Manassas National...
☐	2184655	2009	Published Report	Fort Hunt Park: Cultural Landscape Inventory, George Washington ...
☐	2184680	2011	Published Report	United States Armory Grounds and Potomac Riverfront: Cultural La...
☐	2236815	2012	Published Report	Washington Circle: Cultural Landscape Inventory, National Mall and...
☐	2236791	2015	Published Report	Clara Barton Parkway: Cultural Landscape Inventory, George Washi...
☐	2184661	2009	Published Report	Memorial Avenue: Cultural Landscape Inventory, George Washi...

Page 1 of 4 Records per Page 50 Displaying 1 - 50 of 169

Figure 5. Searching for National Capital Region (NCR) in the Units search on the left yields 169 references. The user can then select the references to save to a Saved Search or a Collection.

Publishing Within-Series Search results on NPS pages

Authors of the NPS Pages published through the CMS can use the CMS Bibliographic Saved Search Widget to display results from the Within-Series Saved Search. This is the same widget used when displaying results from the Advanced Saved Search.

Project Reference Type Required fields

Adjustments to require the following fields for the 'Project' reference type:

- Title
- Leads
- Created by or for the NPS
- Publisher
- Project Start Date
- Description

DataStore Web Services Version 6 Updates and New Version 7

Web services offer a way to interact with DataStore programmatically. In other words, a way to search for, create, or adjust references and their content without using the website. DataStore web services are key to some of the functionality in applications like RPRS (research permitting system) and tools like the [NPSdataverse](#).

Version 6 Updates

- **Cross-References service:**
 - **Operations Added:**
 - CrossReference: POST

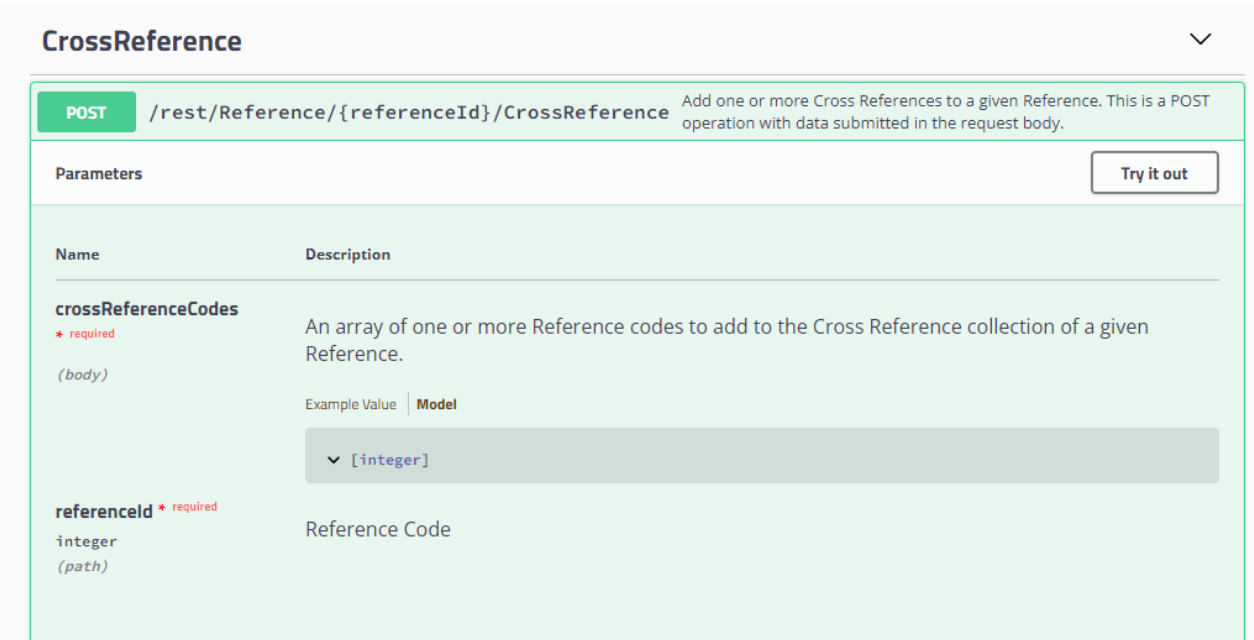


Figure 6. The CrossReference POST web service may be called via the swagger.

- Cross-references (crossReferenceCodes) can be linked to a source reference (also known as the “See Also” references).

- If the user submitting the request is not the owner of the “parent” reference (reference associated with the ‘referenceid’), an error is thrown.
 - If any of the cross-reference codes do not match an existing reference record, an error will occur.
 - NOTE: The cross-references in the list do not have to be owned by the same owner as the parent reference.
- **ORCID ID property (addition to both V6 and V7):**
 - **Operations modified:**
 - CoreBibliography: GET and PUT

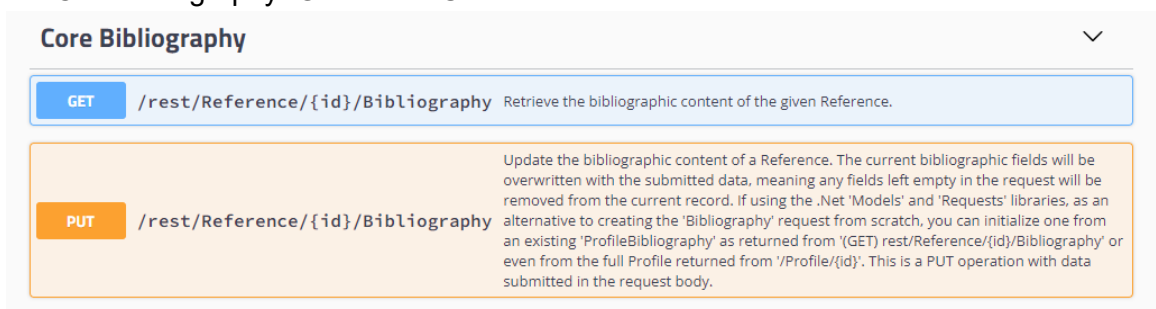


Figure 7 Core Bibliography GET and Core Bibliography PUT web service may be called via the Swagger.

- ORCID can optionally be added to contacts (Authors, Editors, etc.)
- BiblioContact now allows the optional property of ORCID to be set for a given contact.

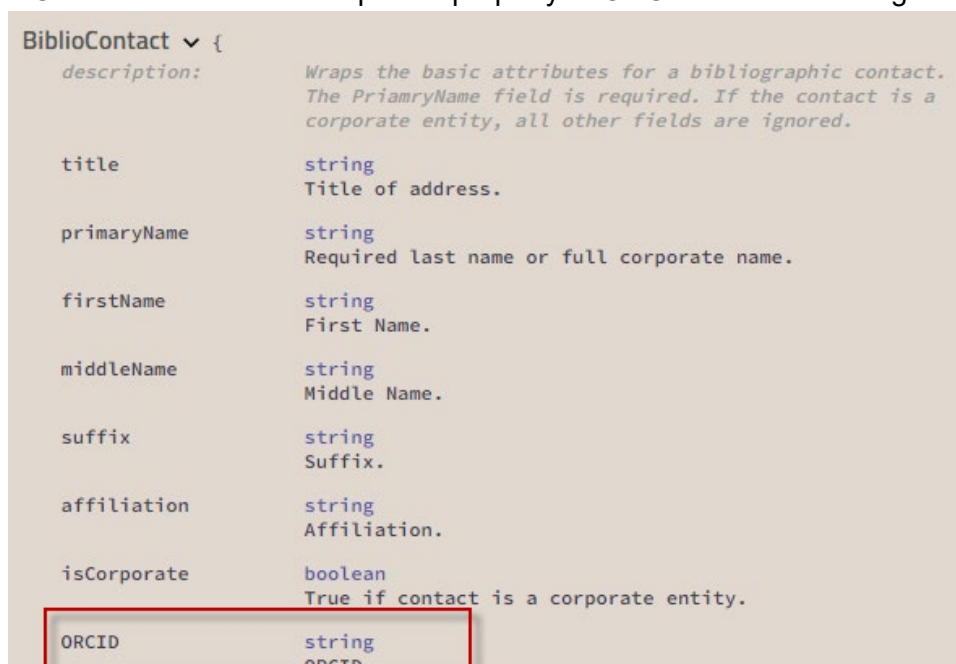
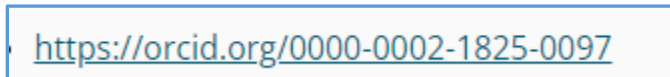


Figure 8. Core Bibliography BiblioContact definition via Swagger.

- No validation is performed on the ORCID value (at this time), so users must ensure valid input. Invalid values may result in issues with loading the orcid.org page within the NPS DataStore web application.

- **IMPORTANT:** a valid ORCID string value is the full URI format of a ORCID (16-digit identifier preceded by <https://orcid.org/>). Example:

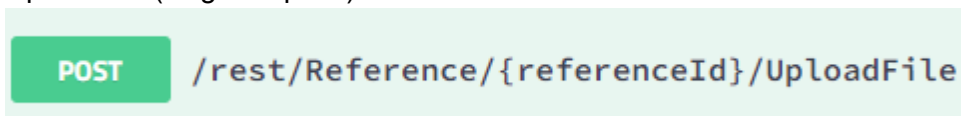


<https://orcid.org/0000-0002-1825-0097>

Figure 9. An example of a valid ORCID value is <https://orcid.org/0000-0002-1825-0097>.

- **Upload Files 508 compliant and filename check (addition to both V6 and V7):**

- Operations modified:
 - UploadFile (single request): POST



POST `/rest/Reference/{referenceId}/UploadFile`

Figure 10. The UploadFile (single request) POST web service called via Swagger.

- Is508Compliant boolean property added.
 - The 508-Compliance flag allows the user to specify the 508 compliance status of the file upon upload.
 - If the Is508Compliant flag is set to false, the file is not 508 compliant, if it is set to true the file is 508 compliant. If the flag is not provided, the default value is false. It is incumbent on the calling code (user) to verify 508-compliance.
 - Unique filename check per reference.
 - When uploading files to the same reference, each file must have a unique filename. If you attempt to upload a file with the same name as a previously uploaded file to the same reference, an error will occur.
- **Upload Files Operations Disabled**
 - UploadFile (multi-part upload) PUT and POST
 - Due to changes that were not backwards compatible with the structure/logic of the token requests, these v6 operations had to be disabled. To continue use these operations, one must refactor any calls to support the new changes (documented in the v7 updates below)
 - **Additional documentation:**
 - [Version 6 Public NPS DataStore WebServices Documentation](#)
 - [Version 6 Public NPS DataStore Webservices via Swagger](#)
 - [Version 6 Secure NPS DataStore WebServices Documentation](#)
 - [Version 6 Secure NPS DataStore WebServices via Swagger](#)

New Version 7

All updates included in version 6 are also included in version 7, in addition to the following:

- **Upload File Token Creation (uploading files larger than 50 MB):**
 - Is508Compliance flag is required and must be set when uploading a file.
 - If the flag is false, the file is not 508 compliant and if the flag is true the file is 508 compliant.
 - It is incumbent on the user to verify 508-compliance before setting the flag value.

- **Unique filename check per reference**
 - When uploading files to the same reference, each file must have a unique filename.
 - Attempting to upload a file with the same name as a file already uploaded to the same reference will produce an error.

DataStore Support email address changed

Our support email address has changed to NRSS_DataStore@nps.gov. If you find a bug, or have a suggestion please send us an email at NRSS_DataStore@nps.gov.