Alma and SFX Target Parser and Linking Parameter Guide

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Introduction to Target Parsers

Target parsers are a software component that extracts metadata from a wide variety of resources and creates unique links for electronic resources in Alma or SFX. To create journal or book level links, the target parser program uses information stored in the collections service and portfolio levels under the parser parameter fields. For deep linking (article, book chapter, etc.), the target parser also extracts OpenURL metadata from discovery products such as Primo and Summon. The extracted metadata includes a range of bibliographic information about the resource, such as the title, author, publication date, publisher, DOI and ISSN, ISBN etc.

The discovery system is based on the central discovery index (CDI) containing many resource records from different providers. For more information, see CDI The Central Discovery Index.

Once the target parser extracts all the relevant metadata for a resource, it creates a unique link called target URL for that resource (article or book chapter-level linking). The target parser generates the most accurate target URL possible based on the information and metadata we get from the providers.

The following are the standard linking levels that the target parser can generate based on the information that it extracts:

- Article or book chapter-level
- Search query level
- Issue level
- Volume level
- Journal or book-level

Target Parser Types

There are two types of target parsers: and generic target parsers and dedicated target parsers.

Generic Target Parsers

Generic parsers are designed to accommodate a wide variety of linking forms and can fit various collections from different providers. These types of parsers are not able to generate deep links due to the inconsistency of the linking syntaxes between the different providers. These parsers are part of the bulk target parsers listed below.

The Bulk family of target parsers creates target URLs in the following format:

`{BaseURL}/{Parameter}`

- `{BaseURL}` is the value of the statement in the target service's parser parameter (such as: url, url2, etc.)

- `{Parameter}` is based on the specific parser used. It takes the information from the portfolio parser parameter (such as jkey,bkey, linkurl, etc.)

The only bulk parser that does not work in that format is the `Bulk::BULK` target parser. This parser creates target URL by taking the jkey/bkey/linkurl statement from the portfolio parser parameter that includes the full URL from the providers title list.

Target Parser	Format
Bulk::JKEY	{url}/{jkey}
Bulk::JKEYdoi	{ url}/{jkey} + DOI based article level linking when the OpenURL contains DOI
Bulk::BKEY	{ url}/{bkey}
Bulk::BKEYdoi	{ url}/{bkey} + DOI based book chapter level linking when the OpenURL contains DOI
Bulk::BULK	jkey/bkey/linkurl in the portfolio parser parameters
Bulk::BULKdoi	jkey/bkey/linkurl in the portfolio parser parameters + DOI based book chapter level linking when the OpenURL contains DOI

Dedicated Target Parsers

Dedicated parsers are created in collaboration with the providers. The providers supply us with various linking syntax formats for their content (journal, book chapter, article, etc.). The target parser creates the most accurate and deep link possible based on the metadata and instructions we get from the providers.

Deep linking target URL syntax can be generated in different formats:

- Based on metadata – volume, issue, pages, author etc.

- Based on the provider-specific ID for the content

- Based on DOI

- Article title/book chapter search query

For more information, see OpenURL linking via metadata, DOI and specific provider IDs

Parser Parameters

Each getFullTxt collection has two levels: Service level and Portfolio level.

To create journal or book level links, the target parser program uses information stored in the collections service and portfolio levels in the parser parameter fields.

Service Parser Parameters

In most cases, the target parser uses the parameters defined in the service parser parameters. The parameters that are defined in the service level can be used for the various linking levels that the parser generates and can affect all the portfolios in that collection.

The standard parameters that can be found in the service parser parameter are:

- db_host / dbase defines the DB code of the collection according to the provider. This code is included in the target URLs when needed.

- url / url2/ host defines the URLs that are used for generating the different target URLs. The URL is usually the base URL of the platform, while the other parameters are used to create deep links or support different authentication methods.

- Linking parameter defines the parameters that can be included in the target URL for access and authentication purposes. See more information in the linking parameters section below.

Portfolio Parser Parameter

This parameter is defined at the portfolio level and is used only for the linking-level related to the portfolio. The parameter can be included in the target URL for the specific portfolio or in the deep links that are related to the portfolio.

The different parameters that can be found in the portfolio parser parameter are:

- jkey – the journal provider code for this specific title, mostly for serials.

- bkey – the book provider code for this specific title, mostly for monographs.

- linkurl – complete url of the title. jkey and bkey can also include a complete URL of the title, in some cases.

- Exception – exceptions are usually appended to the previous parameters to improve the article-level linking. For each target parser, different exceptions are defined and can be used when a particular form of linking does not work for a specific title. For example,

the `noDOI` exception can be used in the portfolio when the DOI-based linking is not working or is redirecting to another platform.

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Introduction to Linking Parameters

This document describes what linking parser parameters are and how they are used in SFX and Alma to create links to journal information.

SFX/Alma builds the target URL using the collection parser program. The collection's parser program creates a URL that leads to the publisher's platform or the abstract of a particular journal article.

The Linking Parser Parameters contains variables for items such as the username, password, customer ID, or authentication details that may differ between institutes. These parameters are set by entering their values in the linking parameter fields (L/P) from the Linking tab of the Electronic Service Editor.

Updating the linking parameter values at the service level allows links for all underlying portfolios to have the same parameter applied.

Shared Parameters

Different collections and providers share the same parameters. These parameters are listed in the following table with the explanation of how to activate the parameters correctly:

Linking Parameter	Description
$$U_SHIBBOLETH	These are parameters for shibboleth / OpenAthens / WAYFless authentication. Enter yes for the $$shibboleth parameter to activate the function and enter the institution entity ID/ IDP for $$u_shibboleth.
$$SHIBBOLETH	
$$USERNAME	The username and password for the relevant platform. These parameters are added to the portfolio URLs.
$$PASSWORD	
$$CUST_ID	This is a different version of the institution-specific code that should be added to the URL to provide direct access to the relevant platform.
$$CLIENTID	
$$CUSTOMER_ID	
$$USER_ID	

Unique Parameters

Other Parameters are specific for different providers. These parameters are listed in the following table with the explanation of how to use the parameters correctly:

Provider	Parser	Linking Parameter	Description
AMERICAN PSYCHOLOGICAL ASSOCIATION	APA_PSYCARTICLES:: APA_PSYCARTICLES	$$PROXY	The collection service parser parameter defines two different URLs: url and proxyurl. If the proxy linking parameter is filled with the value yes, the base URL of the collection portfolios is built with the proxyurl; otherwise, it is built with the url.
BOOKS24X7	BOOKS24::BOOKS24	$$SSO	Enter yes in this linking parameter to activate the SSO authentication methods for this collection. The linking changes accordingly.

Provider	Parser	Linking Parameter	Description
	BOOKS24::BOOKS24	$$PROXYURL	This linking parameter is for Skillport SSO access. Enter the value as follows: `https://xxxxxx.skillink ing parameterort.com` with XXX being unique for each institution.
CHADWYCK	CHADWYCK::CHAD	$$ART	Enter `yes` to add the article title to the URL.
	CHADWYCK::CHAD	$$SERVER_LOC	Enter `usa` for the USA geographic restriction.
CQVIP	CQVIP::CQVIP	$$VERSION	Enter `v7` in this linking parameter to build the target URL with the URL defined as url2 in the collection target parser parameter.
EAST VIEW	EAST_VIEW::CHINA	$$LANGUAGE	Enter `Taiwan` or `chi` in the language linking parameter according to your geographic region. The linking is changed accordingly. An empty linking parameter uses the default URL syntax.
TAEBDC EBOOKS	EBL::EBL	$$URL_DOMAIN	Enter http://www.$libid.$url_domain/EBLWeb/patron in these linking parameters to build the portfolio's target URLs with this syntax.
	EBL::EBL	$$LIBID	
EBSCOHOST	EBSCO_HOST::Journals / EBSCO_HOST::netlibrary / EBSCO_HOST::newspapers	$$SHIBBOLETH	Enter `yes` in the $$SHIBBOLETH linking parameter to include `authtype=shib` in the target URL.
	EBSCO_HOST::Journals / EBSCO_HOST::netlibrary / EBSCO_HOST::newspapers	$$OPID	Enter the relevant value in the $$OPID linking parameter to add it to the URLs in order to provide access to the Ebsco platform. Note that this affects only article-level linking.

Provider	Parser	Linking Parameter	Description
	EBSCO_HOST::Journals / EBSCO_HOST::netlibrary / EBSCO_HOST::newspapers	$$SSO	Enter yes in the $$SSO linking parameter to include authtype=sso in the target URL.
	EBSCO_HOST::Journals / EBSCO_HOST::netlibrary / EBSCO_HOST::newspapers	$$CUSTOMER_ID	Enter the institution customer ID in the $$CUSTOMER_ID linking parameter to include custid={the customer ID} in the target URL.
	EBSCO_HOST::Journals / EBSCO_HOST::netlibrary / EBSCO_HOST::newspapers	$$IPAUTH	Enter yes in the $$IPAUTH linking parameter to include authtype=ip in the target URL.
	EBSCO_HOST::Journals / EBSCO_HOST::netlibrary / EBSCO_HOST::newspapers	$$ATHENS_ID	Enter yes in the $$ATHENS_ID linking parameter to include authtype=cookie,athens in the target URL.
FACTIVA	FACTIVA::FACTIVA	$$USER	Factiva platform has two options for authentication: 1. A combination of userid, userpassword, and namespace 2. XSID (the SID linking parameter) Enter the appropriate linking parameters according to the chosen authentication form of your institution.
	FACTIVA::FACTIVA	$$PASS	
	FACTIVA::FACTIVA	$$NAMESPACE	
	FACTIVA::FACTIVA	$$SID	
	FACTIVA::FACTIVA	$$MODE	This linking parameter is for the article title search query. The default search is by headline. For a general search, enter headline in this linking parameter.

Provider	Parser	Linking Parameter	Description
GALE	Gale::Books / Gale::DB / Gale::ECONOMIST / Gale::Generic / Gale::HISTORICAL / Gale::Lit / Gale::Modern / Gale::MOM / Gale::Netgeo / Gale::OpenURL / Gale::TWAYNES	$$LOC_ID	The Gale Location ID can be associated with a user name and is used by Gale to identify your account. Add the location ID to the target URL; otherwise, the URLs lead only to the general platform.
	Gale::ecco	$$GROUP_ID	Enter your institution customer code for the platform to add the value userGroupName=group_ID } to the target URL to provide better access to the platform.
SPRINGER	Springer::BOOKS / Springer::SPRINGER	$$CODE	Enter `rd` to the code linking parameter to build the target URL based on the URL: `https://rd.springer.com`
HISTORICAL JEWISH PRESS FREE	Historic::JEWISH_PRESS	$$LANGUAGE_CODE	Enter `Hebrew` or `French` to this linking parameter. If empty, the default is English.
LEXISNEXIS	LEXIS::Advance / LEXIS::QUICKLAW	$$CUSTOMER_ID	Enter your institution customer code for the platform to add `&identityprofileid={customer code}` to the target URL to provide better access to the platform.
	LEXIS::Advance / LEXIS::QUICKLAW / LEXIS::PlusUK / NEXIS::UK / NEXIS::UNI	$$SSO	Enter your institution customer code for the platform to add `&federationidp={customer code}` to the target URL to provide better access to the platform.

Provider	Parser	Linking Parameter	Description
	LEXIS::PlusUK / NEXIS::UNI/ NEXIS::UK	$$PROFILE	Enter your institution customer code for the platform to add `&identityprofileid={customer code}` to the target URL to provide better access to the platform.
LOCKSS	LOCKSS::LOCKSS	$$HOST	The URLs for Lockss collection are built in a unique form for each institution using these linking parameter in the following format: http://$host:$port/ServeContent.
	LOCKSS::LOCKSS	$$PORT	
LONGWOODS PUBLISHING	LONG::WOOD	$$IPAUTH	Enter yes in this linking parameter for IP access.
LYNDA	LYNDA::Lynda	$$SSO	For the Lynda platform, enter the authentication method of your institution (SSO or a unique customer ID) in the linking parameter.
	LYNDA::Lynda	$$CUS_ID	
PROJECT MUSE	MUSE::MUSE	$$CHOOSE_HOST	For muse collections, enter a 1 or a 2 in the `choose` host linking parameter to determine the base URL: 1 - `https://muse.jhu.edu` 2 - `https://muse.uq.edu.au`
UNPAYWALL	OADOI::oadoi	$$EMAIL	Enter email information in the linking parameter.
OVIDA	OVID::books / OVID::Journals	$$ATHENS_ID	Enter `yes` in this linking parameter to add `/athens` to the URL.
	OVID::books / OVID::cochrane / OVID::Journals	$$IPAUTH	Add `yes` to this linking parameter for IP access.
	OVID::cochrane / OVID::Journals	$$LOGOUT	Enter the URL to which to send users when they log out of Ovid.

Provider	Parser	Linking Parameter	Description
OREILLY MEDIA INC	PROQUEST::Oreilly	$$SSO	Enter yes in this linking parameter for SSO access.
	PROQUEST::safari	$$SSO	
RICHARD K MILLER AND ASSOCIATES	RKMA::RKMA	$$LOC_ID	Enter the location ID to be added to the URL, which allows the platform to recognize the user and provide access.
SKILLSOFT BOOKS	SKILLSOFT::SKILLSOFT	$$PROXYURL	Enter a proxy URL to this linking parameter for the Skillsoft platform.
SKILLSOFT BOOKS	SKILLSOFT::SKILLSOFT	$$SHIBURL	This linking parameter is for Skillport SSO access. Enter the following value: `https://xxxxxx.skillinking parameterort.com` where XXX is unique for each institution.
STATREF	STAT::Ref	$$UN	Enter the username for the statref platform.
	STAT::Ref	$$PW	Enter the password for the statref platform.
	STAT::Ref	$$GRPALIAS	Enter your institution customer code for the platform to add `grpalias={custoemr code}}` to the target URL to provide better access to the platform. Do not enter it if you already have a username and password
VLEBOOKS	VLEBOOKS::VLEBOOKS	$$SSO	Enter yes in this linking parameter for SSO access.

Provider	Parser	Linking Parameter	Description

CHINA_ONLINE_JOURNALS	WANFANGDATA::wanfangdata	$$SERVER_LOC	Enter your geographic location in this linking parameter. It determines the URL syntax for linking:
			`chi` - `http://wanfangdata.com.cn`
			`hk` - `http://d.g.wanfangdata.com.hk`
			If no value is entered, the URL is:
			`http://c.g.wanfangdata.com.hk`

For more information about how to update a linking parser parameter, see
https://knowledge.exlibrisgroup.com/Alma/Knowledge_Articles/How_to_Update_a_Linking_Parser_Parameter