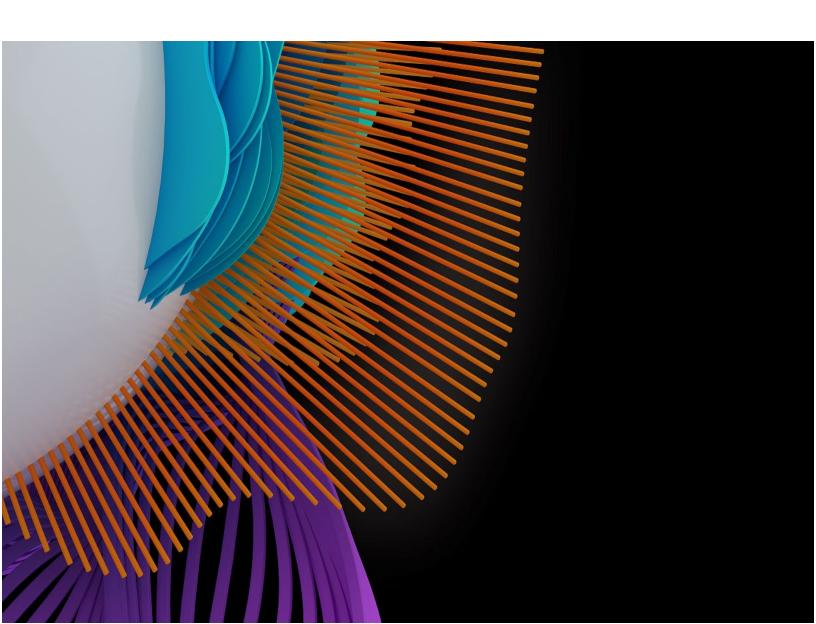


# **Notification Services Reference Guide (v2)**

ScholarOne Manuscripts™





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# **VERSION HISTORY**

Update Summary	Date	Name
Initial Version (v1) published	November 17, 2015	Shane Stafford
Payload Version 2     Modified encoding of query string names and values to conform to UTF-8 character encoding and then IETF RFC-3986 URL percent encoding	November 1, 2016	Shane Stafford
<ul> <li>Submission Integration Notifications</li> <li>Added notifications for success and failure of external submission attempts.</li> </ul>	April 9, 2019	Chris Heid
Account Update Notifications     Added notifications for changes to user account data and user requests to have an account removed.	September 9, 2019	Chris Heid

## **Version Notice**

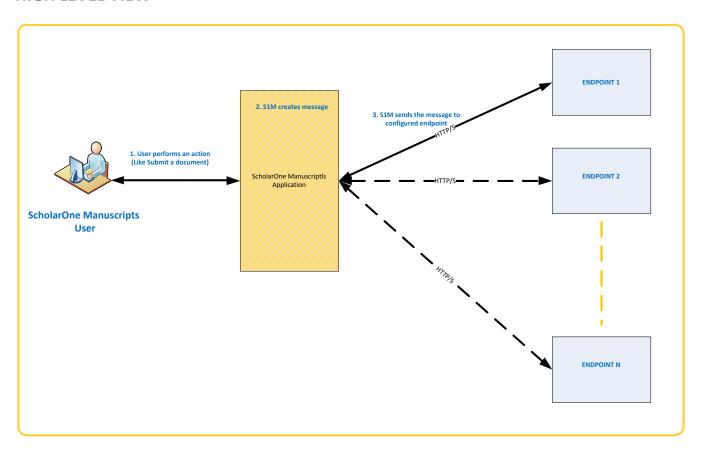
The ScholarOne Notification Services version 1.0 is deprecated as of November 1, 2016. Version 1.0 will be removed from support in a future release.



## **OVERVIEW**

ScholarOne Notification Services deliver real time messages to customer specified endpoints as subscribed events occur within the ScholarOne Manuscripts application. Customers can leverage notifications to integrate applications with ScholarOne Manuscripts to solution/automate use cases where business processes span multiple systems. See the ScholarOne Web Services Overview in the appendix for a more holistic view of use case solution possibilities.

#### **HIGH LEVEL VIEW**



As shown above, based on action performed by the user and a system subscribed to the action (For Notification Services), the *ScholarOne Manuscripts* application will create the message and send the message to the configured endpoint(s). An important note is *ScholarOne Notification Services* can create and send messages to one or more endpoints for a subscribed event. (Based on configuration).



#### **STANDARDS**

ScholarOne Notification Services comply with the following standards:

- Protocol: HTTP/HTTPSMethod: GET (HTTP)
- Formats/Encoding: UTF-8 and RFC-3986 percent encoding for query string parameters name/value pairs. See <u>Appendix B</u> for more information.

## **SERVICE PREREQUISITES**

To use ScholarOne Notification Services:

- Receiver (Endpoint) is available to receive the notifications
  - Receiver should always send a response back as per standard HTTP Protocol
    - With proper HTTP code for SUCCESS/FAILURE
    - Note: ScholarOne needs to receive HTTP code 200 for all successfully received notifications to avoid continued retries.
  - o Receiver can be built using any framework
- Request ScholarOne enable and configure the Notification Services for the journal(s).
  - o Provide the Endpoint details (Receiver created to receive the notification services)
- Make sure firewall is configured to accept the http request coming from ScholarOne
  - ScholarOne will provide the IP Address (If Required)

#### **SUPPORT**

If you have questions about using our Web Services product or about your access to it, please visit the <u>ScholarOne Support</u> site, which has FAQs and reference documents, and options to create a case with ScholarOne Support. Questions about network connections and/or the use of your Web browser should be directed to your Network Administrator.

#### **MESSAGE DELIVERY**

The delivery system is equipped with fault tolerance and hold features to provide assurance attempted messages are successfully received at the destination endpoint.

**Creation:** Messages will be created and sent to a defined endpoint based on a subscribed user action in the *ScholarOne Manuscripts* application. In most cases messages will be delivered reliably, and only once to an Endpoint.

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**Fault Tolerance:** Messages will be redelivered to an endpoint when any of the following conditions occur:

- o Connection to endpoint timeout (Endpoint may be taking more time than usual to respond)
- o ScholarOne is unable to connect to the endpoint
  - Due to network issue
  - Endpoint is down
- o Additional delivery attempts are scheduled to occur <10MIN> after the previous failure.

**Expiration:** Message delivery attempts will expire after **7 days** from creation and will not be re-tried after this period. If due to any reason your receiving server is down or is scheduled to go down for an extended period of time then you may wish to place delivery of messages on-hold. See the On-Hold section below for more details.

**On-Hold:** The On-hold feature provides the ability to place the delivery of messages to a specific endpoint on-hold (i.e. don't send messages to this endpoint).

Messages will continue to be created as subscribed events occur in ScholarOne, but delivery will not be attempted when an endpoint is on-hold. All messages queued for delivery to an endpoint that is on-hold will be delivered when the on-hold period ends. The expiration period for all messages in the delivery queue will be extended to **7 days** from the on-hold end date (expiration period will no longer be derived from creation date). Please note messages will not be re-tried after **45 days** from creation, regardless of endpoint status.

The On-hold feature can be managed within the *ScholarOne Manuscripts* Application. See Monitoring and Support Tools section for more information.

**Cancellation:** Created messages pending successful delivery may be cancelled. Message cancellation may be performed by accessing the Notification Services Report within the *ScholarOne Manuscripts* application. See <u>Monitoring and Support Tools</u> section for more information.

# SCHOLARONE NOTIFICATION SERVICES

There are several types of notifications that can be subscribed to within the ScholarOne Manuscripts application.

**Decision** notifications deliver a standard message payload when a subscribed decision or recommendation event is triggered for a manuscript. Manuscript decision events available for subscription include all decisions and recommendations configured across all configured decision tasks.

**Task Status** notifications deliver a standard message payload when a workflow task enters a subscribed status for a manuscript. Manuscript task status events available for subscription include all task statuses available across all configured tasks.

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**Manuscript Submission** notifications deliver a standard message payload when a subscribed system workflow event is triggered for a manuscript. Manuscript submission events available for subscription include:

- Manuscript is Unsubmitted
- Manuscript is Withdrawn
- First Look Manuscript Submission Confirmation
- Invitation Manuscript Submission Confirmation
- Original Manuscript Submission Confirmation
- Resubmission Manuscript Submission Confirmation
- Revised Manuscript Submission Confirmation
- Immediate Reject Decision from the Checklist
- Manuscript Export Failed
- Manuscript Export Succeeded
- Manuscript Export Failed (File Storage)
- Manuscript Export Succeeded (File Storage)

**Manuscript Transfer** notifications deliver a standard message payload when a subscribed transfer event is triggered for a manuscript. Manuscript transfer events available for subscription include:

- Transfer a Document
- Transfer document received
- Manuscript Transfer Author Approval
- Transferred Manuscript Submission Confirmation
- Immediate Reject with Transfer Decision from the Checklist



#### **NOTIFICATION PAYLOAD DETAILS**

Each message includes:

- Service Endpoint Address for the external system
- Payload (as query parameters)
  - o Further defined in this document as common elements included in all notifications and notification type specific elements

## **COMMON ELEMENTS**

The standard notification payload varies by notification type. There are, however, a common set of payload elements that are included across all notification types.

## **Common Payload Elements**

Element	Туре	Description	Example
messageUUID	String	Global unique identifier of the message.	9d7e3773-32ea-481e-a647- 944bbe9c24b7
notificationServiceVersion	String	The version of Notifications Services payload the endpoint is configured to receive.	V1
siteName	String	Site short name. The short name is the abbreviated or truncated name of the journal, society, publisher, or family.	client de moplus
journalName	String	The long name associated with the journal as defined during issue creation.	Client Demo Plus
eventDate	dateTime	The date and time in UTC the message was created.	2014-11-05T10:34:02Z
subscriptionId	Integer	System generated ID for each configured Subscription.	8011
subscriptionName	String	The configured name of the subscription that triggered the message.	WithdrawnManuscript
subscriptionType	String	The system label for the type of subscription. Available subscription types	DECISION



Element	Туре	Description	Example
		are Decision, Task Status Change, and System Event.	



## **DECISION NOTIFICATIONS**

**Decision Notifications** deliver a message payload consisting of the <u>common elements</u>, basic metadata about the manuscript, and identifying information about the decision event.

# **Decision Payload Elements**

Element	Туре	Description	Example
documentId	Integer	Unique identifier of the document. Unique identifier for each Manuscript Revision in the ScholarOne Manuscripts system. Internally to ScholarOne, this is a numeric value.	16346001
submissionId	String	Also known as the Manuscript ID or Document Number. A unique identifier given to each submitted manuscript. SubmissionID s are case sensitive; they are not necessarily unique.	WK-12-2013-0273-OM
documentStatusN ame	String	User-friendly name of a document's status in the journal's submission workflow. Possible document status name values include Draft, Revised, Submitted, Resubmitted, Appeal, Decisioned, Withdrawn, Accept, Invited, Transferred_Out, Transferred_In, First_Look, Transferred_In_Pending, Transferred_In_Issue.	Accept
submissionTitle	String	The title of a manuscript submitted to a publication.	Title
documentTaskId	Integer	Global unique identifier of the task.	132591939
taskStatus	String	The current status of the given task. For a given task, can be one of pending, processing, overdue, completed, abandoned, overridden, anytime, closing, initiated, on hold, or rescinded.	COMPLETED
recDecisionType	String	The system label for indicating the configured event is a decision or recommendation.  Available types are type_decision and type_recommendation.	TYPE_DECISION
decisionType	String	The system label for the type of decision made.  Available decision types are Accept,  Accept_for_First_Look, Reject,  Reject_With_Appeal, Reject_With_Resubmit,	ACCEPT



Element	Туре	Description	Example
		Reject_With_Transfer, Revise_Minor, Revise_Major, Additional_Review, and Publish.	
decisionName	String	The configured name of the decision rendered on the task.	Accept

## **Decision Payload Sample**

documentTaskId=128342462&submissionId=WRK1-

1502&decisionType=ACCEPT&submissionTitle=Warm Red Rat Number 3 –

QARED&siteName=qared&eventDate=2015-02-

10T14:46:34Z&subscriptionId=143&messageUUID=75e084a8-a2af-4c03-9b14-

791be0fe661c&taskStatus=COMPLETED&9ocumented=16597076&decisionName=Immediate Accept&recDecisionType=TYPE\_DECISION&documentStatusName=Accepted&subscriptionType=DECISI ON&subscriptionName=Editor Accept Immediate&documentStatus=Accepted&journalName=QA — Red Site&siteName=qared&subscriptionName=Editor Accept Immediate&messageUUID=75e084a8-a2af-4c03-9b14-791be0fe661c&notificationServiceVersion=V2&journalName=QA — Red

Site&subscriptionId=143&subscriptionType=DECISION&eventDate=2015-02-10T14:46:34Z



## **TASK STATUS NOTIFICATIONS**

**Task Status Notifications** deliver a message payload consisting of the <u>common elements</u>, basic metadata about the manuscript, and identifying information about the task status event.

## **TASK STATUS PAYLOAD ELEMENTS**

Element	Туре	Description	Example
documentId	Integer	Unique identifier of the document. Unique identifier for each Manuscript Revision in the ScholarOne Manuscripts system. Internally to ScholarOne, this is a numeric value.	16346001
submissionId	String	Also known as the Manuscript ID or Document Number. A unique identifier given to each submitted manuscript. SubmissionID s are case sensitive; they are not necessarily unique.	WK-12-2013-0273-OM
documentStatusN ame	String	User-friendly name of a document's status in the journal's submission workflow. Possible document status name values include Draft, Revised, Submitted, Resubmitted, Appeal, Decisioned, Withdrawn, Accept, Invited, Transferred_Out, Transferred_In, First_Look, Transferred_In_Pending, Transferred_In_Issue.	Accept
submissionTitle	String	The title of a manuscript submitted to a publication.	Title
documentTaskId	String	Global unique identifier of the task.	132591939
taskStatus	String	The current status of the given task. For a given task, can be one of pending, processing, overdue, completed, abandoned, overridden, anytime, closing, initiated, on hold, or rescinded.	COMPLETED



## **Task Status Payload Sample**

submissionTitle=Jerry Test&submissionId=WRK1-

0608&11ocumented=470754&documentTaskId=2420758&taskStatus=OVERDUE&documentStatusNa me=Withdrawn&notificationServiceVersion=V2&siteName=qared&journalName=QA – Red Site&subscriptionId=26&subscriptionName=name2&subscriptionType=TASK\_STATUS\_CHANGE&event Date=2015-01-26T13:29:00Z&messageUUID=fc34ad93-995b-4442-a635-5e715027a242

#### MANUSCRIPT SUBMISSION NOTIFICATIONS

Manuscript Submission Notifications deliver a message payload consisting of the <u>common elements</u>, basic metadata about the manuscript, and identifying information about the system workflow event.

## **Manuscript Submission Payload Elements**

Element	Туре	Description	Example
documentId	Integer	Unique identifier of the document. Unique identifier for each Manuscript Revision in the ScholarOne Manuscripts system. Internally to ScholarOne, this is a numeric value.	16346001
submissionId	String	Also known as the Manuscript ID or Document Number. A unique identifier given to each submitted manuscript. SubmissionID s are case sensitive; they are not necessarily unique.	WK-12-2013-0273-OM
documentStatusN ame	String	User-friendly name of a document's status in the journal's submission workflow. Possible document status name values include Draft, Revised, Submitted, Resubmitted, Appeal, Decisioned, Withdrawn, Accept, Invited, Transferred_Out, Transferred_In, First_Look, Transferred_In_Pending, Transferred_In_Issue.	Accept
submissionTitle	String	The title of a manuscript submitted to a publication.	Title
systemEventName	String	The system label for the type of system event.  Available submission system events are  Admin_Unsubmit_Manuscript,	ADMIN_WITHDRAW_MANUS CRIPT



Element	Туре	Description	Example
		Admin_Withdraw_Manusc	ript,
		Author_Submit_Manuscrip	ot_Firl,
		Author_Submit_Manuscrip	ot_Orig,
		Author_Submit_Manuscrip	ot_Invi,
		Author_Submit_Manuscrip	ot_Revi,
		Author_Submit_Manuscrip	ot_Resu,
		Save_Checklist_Immediate	_Deny_Decision,
		Export_Succeeded,	Export_failed,
		File_Storage_Export_Succe	eded,
		File_Storage_Export_Failed	

## **Manuscript Submission Payload Sample**

submissionTitle=Jerry Test&submissionId=WRK1-

0608&12ocumented=470754&documentStatusName=Withdrawn&systemEventName=ADMIN\_WITHD RAW\_MANUSCRIPT&notificationServiceVersion=V2&siteName=qared&journalName=QA – Red Site&subscriptionId=71&subscriptionName=MS is

Withdrawn&subscriptionType=SYSTEM\_EVENT&eventDate=2015-01-

26T13:29:00Z&messageUUID=94295958-7113-4fcd-a4b2-0d12f7572b61



## **EXTERNAL MANUSCRIPT SUBMISSION NOTIFICATIONS**

External Manuscript Submission Notifications deliver a message payload consisting of the <u>common elements</u>, basic metadata about the manuscript, and identifying information about the external submission event.

# **External Manuscript Submission Payload Elements**

Element	Туре	Description	Example
systemEventName	String	The system label for the type of system event. Potential values are: SUB_INTEGRATION_SUCCESS, SUB_INTEGRATION_SUCCESS_RESUB, SUB_INTEGRATION_SUCCESS_REVISION, SUB_INTEGRATION_FAILURE	SUB_INTEGRATION_FAILURE
external Submissio nId	String	Unique identifier of the document in the external system initiating the submission ingestion	ERR-1634-08
zipFileName	String	Name of the zip file containing the external submission's xml metadata file and submission files	ERR-1634-08.zip
errorCode	Integer	(Element and value only appear when systemEventName=SUB_INTEGRATION_FAILURE) The numeric error code which describes the reason for failure of the submission ingestion. See Appendix C for a list of all error codes.	3
NotificationServic eVersion	String	Version of the notifications payload being received.	V2
siteName	String	Short name of the ScholarOne site receiving the external submission attempt	supportdemo
journalName	String	Name of the journal receiving the external submission attempt	The Journal of Support
subscriptionId	Integer	System generated ID for each configured Subscription.	8011
subscriptionName	String	The configured name of the subscription that triggered the message	Failure



Element	Туре	Description	Example
subscriptionType	String	The system label for the type of subscription. Available subscription types are Decision, Task Status Change, and System Event.	System Event
eventDate	dateTim e	The date and time in UTC the message was created.	2014-11-05T10:34:02Z
messageUUID	String	Global unique identifier of the message.	9d7e3773-32ea-481e-a647- 944bbe9c24b7

# **External Manuscript Submission Payload Sample**

 $system Event Name = SUB\_INTEGRATION\_FAILURE \& external Submission Id = ERR-1634-08 \& zipFileName = ERR-1634-08.zip\& error Code = 3$ 

 $\&notification Service Version = V2\&site Name = support demo\&journal Name = Journal\%20 of\%20 Support \&subscription Id = 34245\&subscription Name = Failure\&subscription Type = SYSTEM_EVENT\&event Date = 2019-04-09T10\%3A37\%3A28Z\&message UUID = e9b7ba0d-ad8b-478e-9e8e-54e2495c2bc5$ 



## **MANUSCRIPT TRANSFER NOTIFICATIONS**

Manuscript Submission Notifications deliver a message payload consisting of the <u>common elements</u>, basic metadata about the manuscript, and identifying information about the transfer event.

# **Manuscript Transfer Payload Elements**

Element	Туре	Description	Example
documentId	Integer	Unique identifier of the document. Unique identifier for each Manuscript Revision in the ScholarOne Manuscripts system. Internally to ScholarOne, this is a numeric value.	16346001
submissionId	String	Also known as the Manuscript ID or Document Number. A unique identifier given to each submitted manuscript. SubmissionID s are case sensitive; they are not necessarily unique.	WK-12-2013-0273-OM
documentStatusN ame	String	User-friendly name of a document's status in the journal's submission workflow. Possible document status name values include Draft, Revised, Submitted, Resubmitted, Appeal, Decisioned, Withdrawn, Accept, Invited, Transferred_Out, Transferred_In, First_Look, Transferred_In_Pending, Transferred_In_Issue.	Accepted
submissionTitle	String	The title of a manuscript submitted to a publication.	Title
systemEventName	String	The system label for the type of system event.  Available transfer system events are Transferred_Doc_Received,  Fire_Doc_Transfer_Email,  Author_Submit_Manuscript_transferred,  Manuscript_Transfer_Author_Approval, and Save_Checklist_Reject_With_Transfer.	TRANSFERRED_DOC_RECEIVE D
contraSiteName	String	The site name that did not initiate the event, but is the site the document was transferred to or from. The site name that initiated the event is provided in the common "siteName" element.	Pmdemoplus



## **Manuscript Transfer Payload Sample**

submissionTitle=LaTex S2&submissionId=WRK1-

1482&documentId=15925165&documentStatusName=Transferred

Out&systemEventName=FIRE\_DOC\_TRANSFER\_EMAIL&contraSiteName=red&notificationServiceVersion=V2&siteName=qared&journalName=QA - Red Site&subscriptionId=80&subscriptionName=Transfer a Doc&subscriptionType=SYSTEM EVENT&eventDate=2015-01-

28T14:50:47Z&messageUUID=3d37becd-cc18-471f-bc8d-fe1378ee5c2c

## **ACCOUNT UPDATE NOTIFICATIONS**

Account Update Notifications deliver a message payload consisting of the <u>common elements</u>, basic metadata about the user account, and identifying information about the event.

# **Account Update Payload Elements**

Element	Туре	Description	Example
systemEventName	String	The system label for the type of system event. Potential values are: - REMOVE_ACCOUNT_FROM_SYSTEM -	REMOVE_ACCOUNT_FROM_SYST EM
personId	Integer	Unique identifier of the person account. Internally to ScholarOne, this is a numeric value.	16346001
orcid	String	The ORCID is a nonproprietary alphanumeric code to uniquely identify scientific and other academic authors.	0000-0002-6167-6691
userld	String	The User ID login credential for the user account for accessing ScholarOne Manuscripts.	Jdoe33
primaryEmail	String	Primary e-mail address of the user account	jane.doe@example.com
externalUserId	String	The User ID login credential for accessing the external system.	JaneDoe1
memberId	String	Society membership number of the user	1a2b3c4d



## **Account Update Payload Sample**

 $userId=janed 01 \& system Event Name=EDIT\_ACCOUNT\_3 \& personId=51266 \& ORCID=\& primary Email=jane. doe \%40 example. \\ com \& external UserId=\& memberId=\& notification Service Version=V2 \& site Name=prod5-$ 

 $workflow 4 \& journal Name = Workflow \% 204 \& subscription Id = 37 \& subscription Name = Account \% 20 modified \& subscription Type = SYSTEM_EVENT \& event Date = 2019-08-29T17\%3A33\%3A12Z \& message UUID = 486ca6ae - 8879-4e4a-8dc4-8f80a8db9a0f$ 



#### **MONITORING AND SUPPORT TOOLS**

There are several tools available in the *ScholarOne Manuscripts* application for troubleshooting and managing message traffic. Based on your system needs, endpoints can be defined and maintained at the publisher (portal) or journal (site) level. When endpoints are defined at the publisher (portal) level, subscriptions can be configured and maintained for all child journals (sites) from the portal. The same applies for searching and reporting message delivery activity.

#### Notification Services Tools

#### **Notification Services Monitoring and Reports**

Notification Services Report

## **Notification Services Endpoint Details**

Notification Services Endpoints

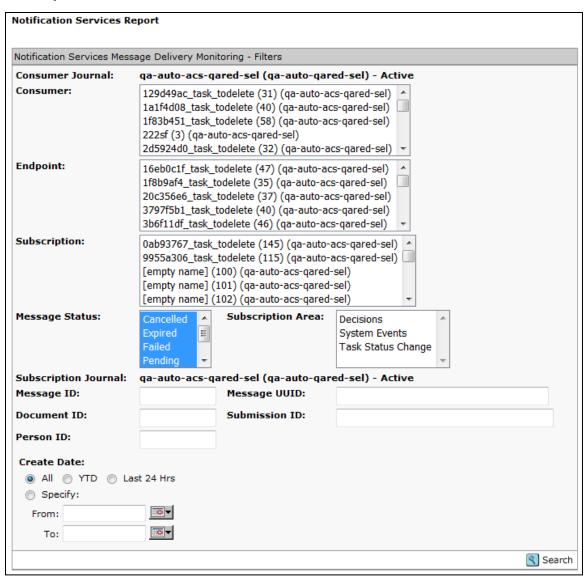
## **Notification Services Report**

The Notification Services Report allows customers to search across all created messages, returning key information about the origin of each message, the delivery status, payload, delivery attempts, and provides the ability to cancel messages that are pending successful delivery.

Search for created messages using advanced filter criteria (see below):

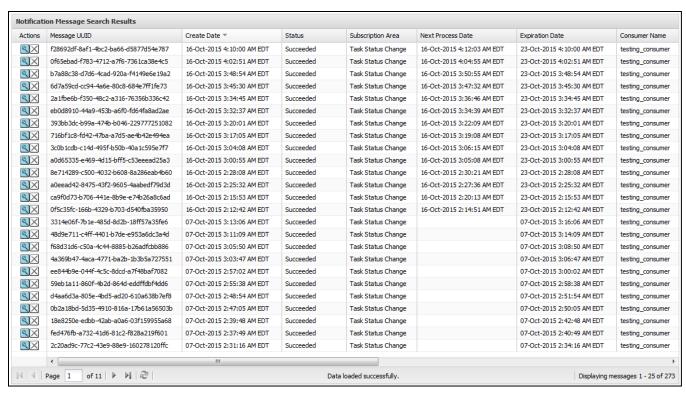
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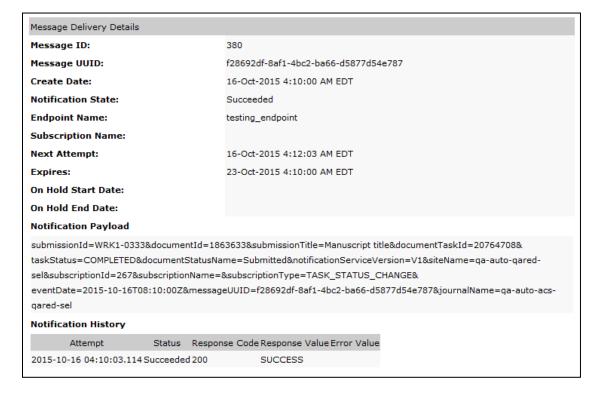


Created messages matching the search criteria are displayed in an interactive (sencha) grid. Select the "X" icon under the actions column to cancel a message that has not been successfully delivered, previously cancelled, or expired (see below):





Additional details are available for each message when selecting the search magnifying glass icon (see below):





## **Notification Services Endpoints**

The Notification Services Endpoints lists all configured endpoints for the site (journal or portal) and provides the ability to place endpoints on-hold as needed.

Selecting the On Hold checkbox for an endpoint will hold all delivery attempts of currently created messages and new messages created while the endpoint is on hold. De-selecting the On Hold checkbox for an endpoint will deliver all messages queued for the endpoint during the on hold period.

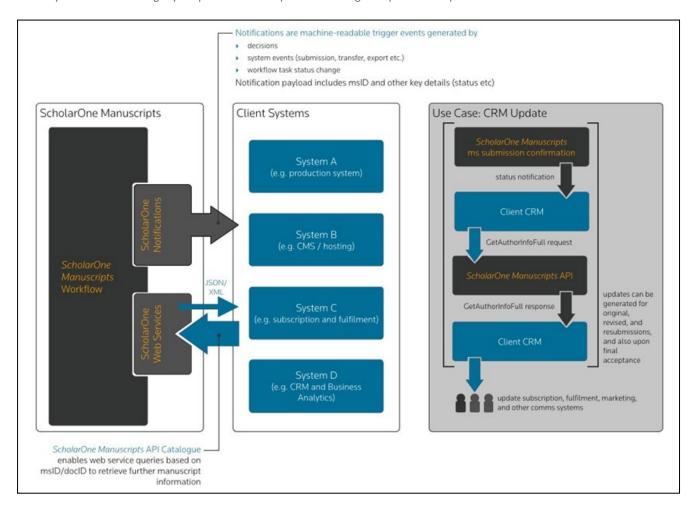
Notification Ser	vices Endpoint Details						
Name	URL	Authentication	Protocol/Format	Environment	Payload Version	Active	On Hole
testing_endpoint	https://qa2-test3- api.manuscriptcentral.com/api/s1m /v1/utility /notification?username=sample_user	HTTP Basic	HTTP GET	Qa	Version 1	<b>V</b>	
						[	✓ Save



## **APPENDIX A**

## **SCHOLARONE WEB SERVICES OVERVIEW**

Notification Services, alone or in combination with our <u>Web Services APIs</u>, may be implemented to help resolve use cases where systems need to be tightly coupled as manuscripts move through the peer review process.



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# **APPENDIX B**

## **URL QUERY STRING ENCODING**

(New in Version 2.0!) Names and values within URI query strings are first encoded as UTF-8 characters and then "percent encoded" to comply with the IETF RFC-3986 standard.

Specifically:

Characters	Encoding	Notes
a-z, A-Z, 0-9	None	
. (period), _ (underscore), - (hyphen), ~ (tilde)	None	
Space	%20	
Other ASCII characters  (e.g. @, [, ], ?, &, =, *, comma, ;, \$, (, ), %, +, ^, )	Percent encoding of each UTF-8 encoded byte:  %xy where xy is 2 digit hexadecimal value for byte	Examples:  @ → %40 &→ %26 % → %25 + → %2B
Other Unicode Characters (e.g. 审)	Percent encoding of each UTF-8 encoded byte:  %xy where xy is 2 digit hexadecimal value for byte	Examples: 审 (Unicode e5aea1) → %E5%AE%A1

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