

NCI Connect Cohort Link - v1.0.0

This external module facilitates the link between REDCap project and NCI Connect API system for token/pin generation for the participant(s) and also supports other functional data exchanges.

The current active functionality:

- Participant token/PIN Generation through NCI Connect API
 - Batch Mode with Visual Interface
 - Ad-hoc Mode - On specific instrument for a record create or modified (Using Data Entry Trigger method configuration)
 - REST API Call – to support cron job or autosys job setup

System Level External Module Configuration:

Since it is project level external module, all system level configuration are optional and managed by REDCap admin.

Project Level External Module Configuration:

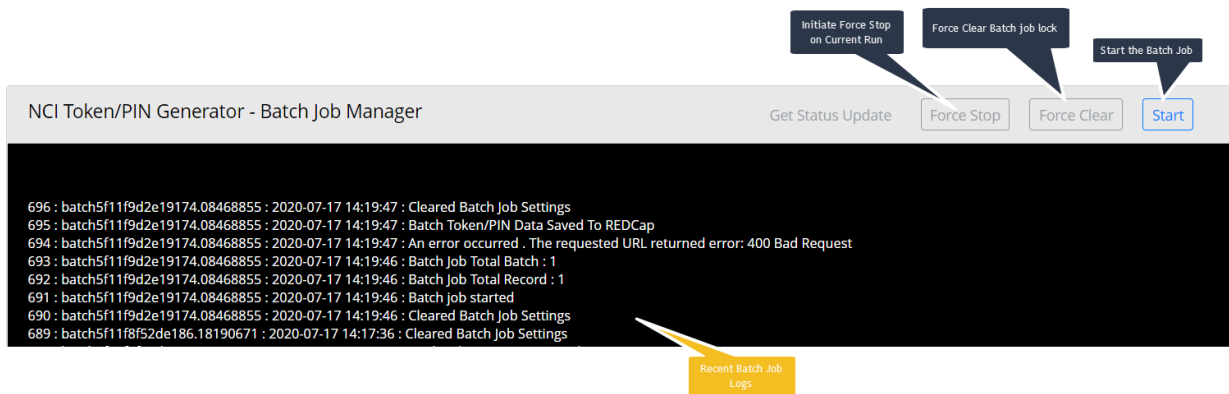
For Super User Only:

	Settings	Values
To identify NCI Connect Server Environment to Connect and Easily Change between DEVELOPMENT and PRODUCTION	To which NCI Connect API Server: <small>* must provide value</small>	DEVELOPMENT DEVELOPMENT PRODUCTION
Enter the API key received from NCI Team on specific environment. This will change either DEV-NCI-APIKEY or PROD-NCI-APIKEY based on NCI connect server environment selection	DEV-NCI-APIKEY: <small>* must provide value</small>	DEV-NCI-APIKEY
Enter the API endpoint. This will change either DEV-NCIConnect server or PROD-NCIConnect server based on NCI connect server environment selection	DEV-NCIConnect server - getParticipantToken API service endpoint: <small>* must provide value</small>	https://us-central1-nih-nci-dceg-episph
This help to setup cron job or autosys job with secure REST call service.	Enter the secret key for invoke REST call request on this module functionality: <small>* must provide value</small>	

For Project Design User Level:

<p>For general token/PIN generation setting</p> <p>Input param: select study id field from project data field list.</p> <p>Output param (values received from NCI) :</p> <ol style="list-style-type: none"> NCI token storage data field NCI PIN storage data field <p>The record filter logic: to select participant population based on condition. It is similar to branching logic or report builder filter logic</p> <p>The Batch size: to help to run token/pin generation on larger population on batch. NCI Connect API allows upto 1000 records per request</p>	<p>The studyid field for generating token and pin: * must provide value</p> <p>study_id - study_id</p> <hr/> <p>Where to store generated NCI token?: * must provide value</p> <p>nci_token - nci_token</p> <hr/> <p>where to store generated NCI PIN? : * must provide value</p> <p>nci_pin - nci_pin</p> <hr/> <p>Enter the record filter logic (similar to report advanced filter logic) which used to select studyids eligible to send API request: * must provide value</p> <p>(([nci_token] = "" OR [nci_pin] = "")</p> <hr/> <p>Enter the batch size - number of records send part of each API request. Maximum value is : 1000: * must provide value</p> <p>1</p>	
<p>For Ad-hoc token/PIN generation</p> <p>This will use all general input param & outparam data field configuration for API exchange except record filter logic and batch size (as it single record at a time).</p> <p>Select list of instrument for Data Entry Trigger: This allowed to add trigger point to run token/pin generation on current record when instrument open.</p> <p>The Record Filter Logic: This will validate the provided rule on current record before starting token/pin generation process.</p>	<p>1.1. Select the instrument to trigger Token and PIN generation on current record when created or updated:</p> <p>my_first_instrument</p> <p>+</p> <hr/> <p>Enter the record filter logic (similar to report advanced filter logic) which used to select studyid eligible to send API request when the record created or updated - DET Trigger: * must provide value</p> <p>(([nci_token] = "" OR [nci_pin] = "")</p>	
<p>This will help to send email notification to configured email address if any network or programming issue part of data exchange through NCI API.</p>	<p>Enter the from email address for batch job error notification: * must provide value</p> <p>Vijayakumar.x.thirumalai@healthpartne</p> <hr/> <p>1. Click the '+' button to add more email address for batch job error notification:</p> <p>+</p> <hr/> <p>1. Enter email address for batch job error notification:</p> <p>Vijayakumar.x.thirumalai@healthpartne</p>	

Batch Job Manager Interface:



REST API call to start initiate token/PIN generation batch job and Data Entry Trigger Service URL:

NCI Connect Cohort Link API Manager - REST Services Base URL:

http://{YOURREDCapServer}/redcap/api/?type=module&prefix=nci_connect_cohort_link&page=apimanager&pid={PROJECTID}&NOAUTH

1. Token and PIN Generation Batch Job Initiation: GET params: **action = start_batch** and **passcode=[Your REST Call Secret]**

example :

http://localhost/redcap/api/?type=module&prefix=nci_connect_cohort_link&page=apimanager&pid=16&NOAUTH&action=start_batch&passcode=123456789

2. DET Service URL: GET params: **action = DET** and **passcode=[Your REST Call Secret]**

example :

http://localhost/redcap/api/?type=module&prefix=nci_connect_cohort_link&page=apimanager&pid=16&NOAUTH&action=DET&passcode=123456789