

Instructions on creating new STF (NALT skill cartridge) for Web Studio

June 13, 2019 (SS): Started with instructions for Luxid 6 and changed for Luxid 7 (Web Studio)

Quick Checklist of procedure:

- A. Export XML file from MultiTes.
- B. Convert XML to SKOS file
- C. Create new project in Web Studio using Thesaurus template
- D. Import Thesaurus data from SKOS file
- E. Configure Project
 - a. Languages
 - b. Static Mapping
 - c. STF Parameters
 - d. Other?
- F. Deploy to Annotation Server and Web Studio (last optional)
- G. Update Annotation Plan with new STF resource.
- H. Test your updated Annotation Plan with new STF/Thesaurus

General principles:

The main working file in MultiTes is the only place where thesaurus additions, deletions and edits are performed. All files, including the required STF for Automated Indexing, are derived as a report from this main thesaurus file. Therefore, Luxid Knowledge Editor (Luxid 6) or Web Studio (Luxid 7) is NOT used for the manipulation of thesaurus data for Automated Indexing.

Thesaurus data is backed up at the conclusion of an editing session. Data is automatically saved on the "Theo" thesaurus computer at C:\mtm2007\data. (Note that 2007 is the year designation for the MultiTes software and is not associated with the annual update of the thesaurus). Data is manually backed up by thesaurus staff at the conclusion of an editing session at:

S:\NAL\DPD\Indexing&Informatics\mtm\20xx, where xx in the file name represents the working file data year. The naming convention for files is "NALT20xx.th2". In calendar year 2017, the working file is 2018. In calendar year 2018, the working file is 2019, and so on.

The procedure followed will require you to have:

- 1) Access to MultiTes. Access to latest main thesaurus working file on Theo or the latest backup on the G: drive. Get approval from thesaurus staff to create a new STF. Thesaurus staff will need to run ORPHAN, **Pref have BT, Pref have SC reports** and resolution must be completed before creating a new STF.
- 2) Access to a Browser, such as Chrome (recommended over Internet Explorer for Luxid).
- 3) Access to Web Studio
- 4) Access to LuxidAdmin, password required.

Procedure:

1. Open MultiTes Pro and the main working file.
2. Ensure that you are in the main thesaurus working file before continuing (as MultiTes will open the last file opened, and someone may have been in another file for another purpose).
3. Check that you are in the ENGLISH "side of the database". The header on the first column should say "Term (English)".
4. At the top menu, select REPORTS and a pull down menu will appear. Select the first item, REPORT GENERATOR. A new window will appear.

5. The first tab, is SELECT TERM RANGE. In this window, check the box “Skip term containing brackets []” as shown below.

The screenshot shows a 'Report generator' dialog box with a blue title bar and a close button (X) in the top right corner. The dialog has three tabs: 'Select by Relationship', 'Select by Categories', and 'Output Options'. The 'Select by Relationship' tab is active, showing a 'Select Term Range' sub-tab. Below this, there are two text input fields: 'First term' containing 'ohi'a lehua' and 'Last term' containing 'ZyVX (Zygocactus virus X) [ES]'. A checkbox labeled 'Skip terms containing brackets "[]"' is checked. On the right side, there is a 'Output to:' dropdown menu set to 'Screen', and four buttons: 'Print/Export', 'Cancel', 'Load settings', and 'Save settings'. At the bottom right, there are two buttons: '< Back' and 'Next >'. A mouse cursor is pointing at the 'Display Items' sub-tab within the 'Output Options' tab.

Report generator

Select by Relationship Select by Categories Output Options

Select Term Range Term Selection Display Items

First term
'ohi'a lehua

Last term
ZyVX (Zygocactus virus X) [ES]

☒ Skip terms containing brackets "[]"

Output to:
Screen

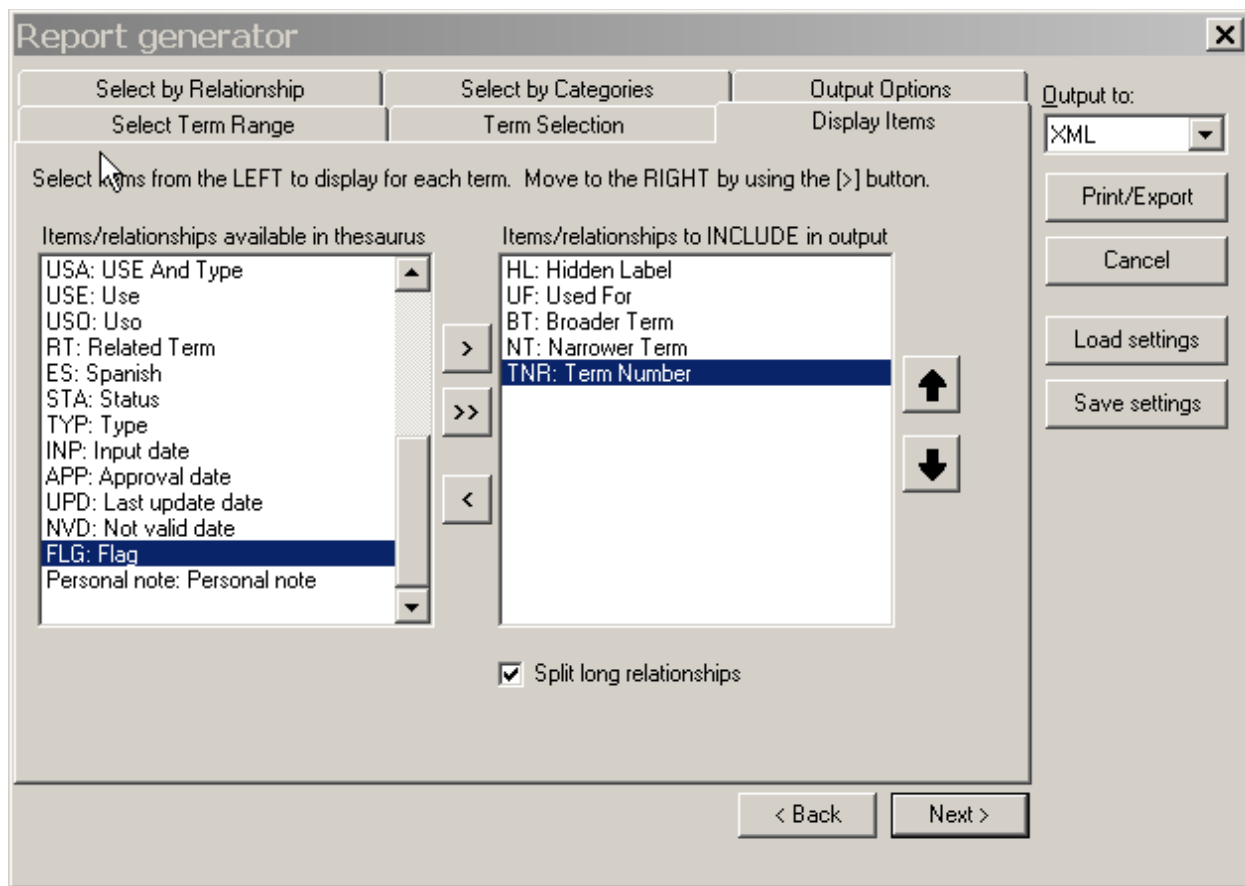
Print/Export
Cancel
Load settings
Save settings

< Back Next >

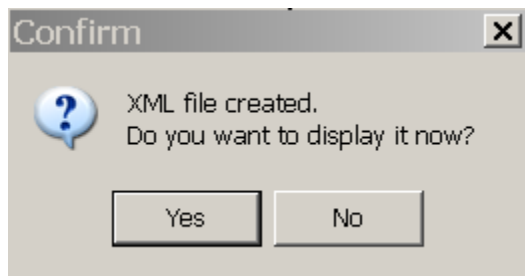
6. Click on the TERM SELECTION tab. Select radio button “Preferred terms only”. Select on the “Approved” only, remove checks on other values as shown below.

The screenshot shows the 'Report generator' dialog box with the 'Term Selection' tab active. The '1. General' section has 'Preferred terms only' selected. The '2. By Status' section has 'Approved' checked, while 'Candidate', 'Provisional', and 'Not valid' are unchecked. The '3. Select by date' section has 'Any' selected, with 'From' and 'To' dates both set to '2012-05-29'. On the right, the 'Output to:' dropdown is set to 'Screen', and there are buttons for 'Print/Export', 'Cancel', 'Load settings', and 'Save settings'. At the bottom are '< Back' and 'Next >' buttons.

7. Click on the DISPLAY ITEMS tab. Click on the items in the left column and then click on the > arrow to move to the right column, which are the items that wish to include in the output. For the STF, select as shown below.
- HL: HIDDEN LABEL
 - UF: USED FOR
 - BT: BROADER TERM
 - NT: NARROWER TERM
 - TNR: TERM NUMBER
 - TY: TYPOGRAPHICAL ERROR
 - RT: RELATED TERM (added new in this STF; June, 2019)
 - INP: Input date (added new in this STF; June, 2019)
 - UPD: Last update date (added new in this STF; June, 2019)



8. On the right side of the window, pull down the menu beneath OUTPUT TO, Select XML as shown above.
9. Click on the button PRINT/EXPORT. A file progress window will open and close.
10. Window will open that prompts you to name your file. Default is to put under C:\mtm2007\xml. Give a descriptive name, such as: NALT2018_May29_2017.xml. Click on SAVE.
11. Window opens "XML file created. Do you want to display it now?", select NO.



12. Close REPORT GENERATOR window
13. Close MultiTes.
14. Go to explore and copy the XML file you just created and place in Q:\NALT_XML\NEW

15. Open Browser , and go



16. Now that we have our XML file from MultiTes, we can use this program to convert the XML file into a SKOS file. Click on the third item, "NALT-to-SKOS Converter". BROWSE to your file (usually in the C:\mtm2007\xml folder) and select.

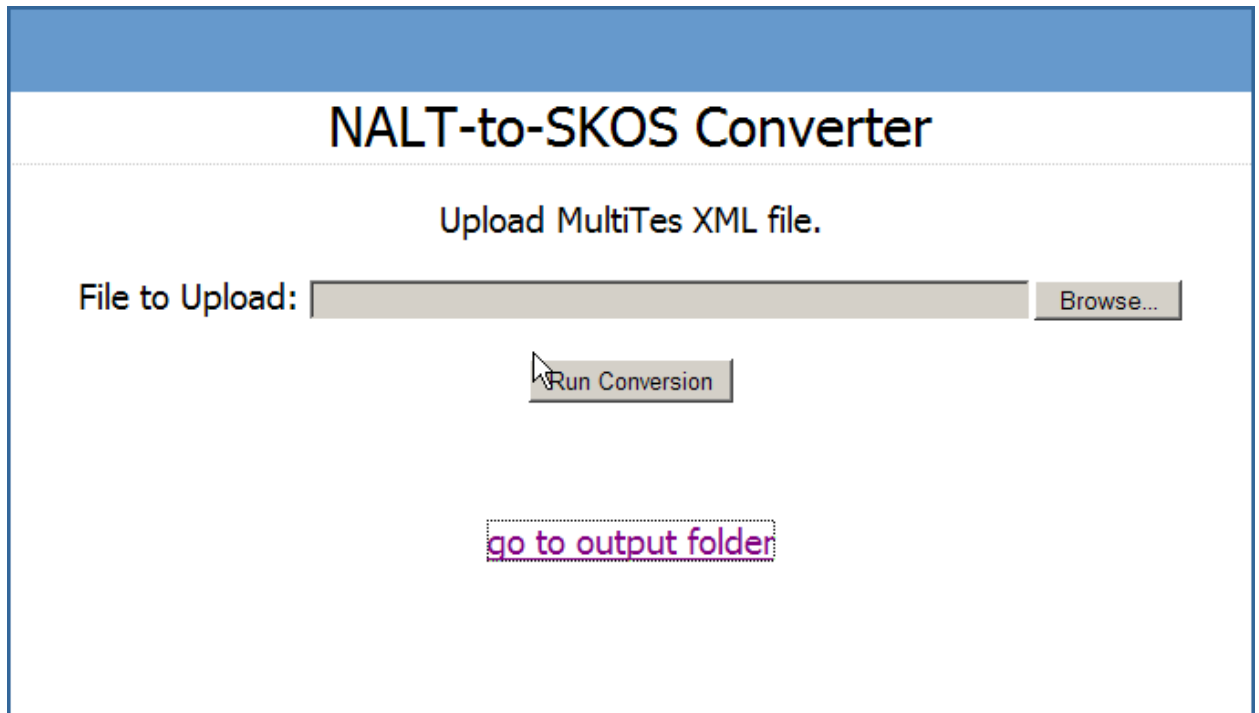


17. Click on RUN CONVERSION. You will get a message at the bottom of the screen:



The request can take several minutes to process. Look for the blue progress bar. If it is stuck on “sending request”, close your browser and try again. If you opened in Firefox, close and try again in IE. “Done” should be on the bottom status bar and a new window appears.











18. To speed up the retrieval of the file, do not open it. Go back to the converter page, programs.nal.usda.gov
By clicking on the “return to upload form”.



The screenshot shows a web browser window with a blue header bar. Below the header, the title "NALT-to-SKOS Converter" is centered in a large, bold, black font. Underneath the title, the instruction "Upload MultiTes XML file." is centered. Below this instruction, there is a form with a label "File to Upload:" followed by a text input field and a "Browse..." button. Below the input field, there is a "Run Conversion" button. At the bottom of the form, there is a link "go to output folder" in purple text, which is enclosed in a dashed rectangular box.

19. Select “go to output folder”

Index of /SKOS

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 Parent Directory		-	
 April2013NALT-SKOS.xml	16-Apr-2012 15:00	19M	
 April2013_forSTF-SKOS.xml	05-Apr-2012 09:21	19M	
 BreedingGenetics-SKOS.xml	03-Mar-2012 16:37	150K	
 EconomicsMinusProducts-SKOS.xml	03-Mar-2012 14:14	311K	
 GeogLocations-SKOS.xml	03-Mar-2012 14:13	238K	
 HealthPathology-SKOS.xml	03-Mar-2012 16:37	1.0M	
 Methodology-SKOS.xml	03-Mar-2012 14:50	163K	
 NALT-SKOS.xml	29-Feb-2012 16:19	19M	
 NALT2013_May29_2012-SKOS.xml	29-May-2012 16:09	18M	
 NaturalResourcesEarthEnv-SKOS.xml	03-Mar-2012 14:49	775K	
 OneRecordNutritiveValue-SKOS.xml	23-Feb-2012 19:38	3.4K	
 OrganismsGroups-SKOS.xml	03-Mar-2012 14:50	274K	
 PlantSciPlantProd-SKOS.xml	03-Mar-2012 14:46	407K	
 Plantae-SKOS.xml	03-Mar-2012 14:47	3.2M	
 Q:\SKOS\OneRecordNutritiveValue-SKOS.xml	23-Feb-2012 19:30	3.4K	
 SeveralRecordsNutritiveValue2Nylon-SKOS.xml	29-Feb-2012 10:06	7.6K	
 cluster_10-SKOS.xml	01-Mar-2012 17:45	336K	
 continousscopping-SKOS.xml	03-Apr-2012 13:49	1.0K	
 get_hierarchy.html	16-Apr-2012 09:08	1.1K	

Apache/2.2.3 (Red Hat) Server at ai-dev.nal.usda.gov Port 80

20. Right Click on your file and select "save link as".
21. A standard "save as" window appears. Save to Q:\SKOS. It will take a few minutes for it to copy it from the server to the Q: drive location.
22. Now that you have your SKOS file, do data integrity/quality control testing on SKOS file. Right click on SKOS file and "Edit with Vim". Look for **&#** OR **‘** **’** **“** **”** **–** etc. in **prefLabel/s** or **altLabel/s** and if there is any of it, correct in NALT file and redo the whole process. (Note: These oblique quotes are Okay in **hiddenLabel/s**). This step is not needed after installing UNICODE version of MultiTes, more testing needed. Otherwise, proceed to create the STF!

23. Open Web Studio in Chrome: <http://ai-luxid.nal.usda.gov:8060/LuxidStudio>
24. You will be prompted to login with username and password.
25. Under HOME tab, the list of projects will appear. **Click on “Create” to create a New Project.**
(Since you are not creating a new project from “project backup” but from a SKOS file, you will use this method of creating a New Project for the thesaurus).

The screenshot shows the Luxid Webstudio interface. At the top is a dark header with the Luxid logo and the text 'WEBSTUDIO'. Below this is a navigation bar with tabs: HOME, PROJECT, DOCUMENTS, TEST, and ADMINISTRATION. The HOME tab is active. The main content area has a heading 'Luxid® Webstudio' and a paragraph: 'The following projects are available on this server. To launch your session please select a project from the list on the right and click OPEN.' Below this is a link 'To start a new project, please click CREATE.' To the right, there is a dashed orange box labeled 'NEW PROJECT' containing a red-outlined 'CREATE' button. Below this is a card for a project named 'NALT 2017 HL' with a trash icon. The card contains the text 'frozen Dec 14 2016 file, with HL and load...', '67294 concept(s)', '1037 document(s)', and an 'OPEN' button. On the left, under the heading 'Open recent project', there is a list of projects: NALT 2017 SAMEFORM, AA TO-ASSIGN, NALT 2017 HL, and NALT 2017 HL FUZZY.

Luxid® Webstudio

The following projects are available on this server. To launch your session please select a project from the list on the right and click OPEN.

To start a new project, please click [CREATE](#).

Open recent project

- NALT 2017 SAMEFORM
- AA TO-ASSIGN
- NALT 2017 HL
- NALT 2017 HL FUZZY

NEW PROJECT

CREATE

NALT 2017 HL

frozen Dec 14 2016 file, with HL and load...

67294 concept(s)
1037 document(s)

OPEN

26. A new window will appear. Under “choose a template”, select NAL-Thesaurus-SameForm.
(Note: the “same form” template will mark all concepts in the thesaurus with Extraction Method “same form”. If you use the “NAL-Thesaurus” template, then all concepts in the thesaurus will have the default value for the Extraction Method, which is “fuzzy matching”.)

New project

CHOOSE A TEMPLATE

NAL-Thesaurus-SameForm

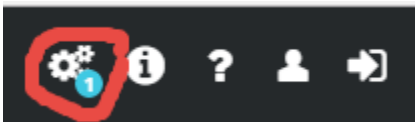
NAME

DESCRIPTION

Enter a description

CREATE

27. Enter a unique and descriptive Name for the thesaurus project, using NALT version and dates to identify the version of data, such as "NALT_2018_July_18_2017".
28. Enter a description, noting the data source, template used or other characteristics of the data.
29. Click on CREATE button.
30. Give it a few moments and you will see a blue message appear that shows that it is busy loading the data in the background. The "background processes" icon in the upper right will have a "1" in a blue circle to show that there is activity running in the background.



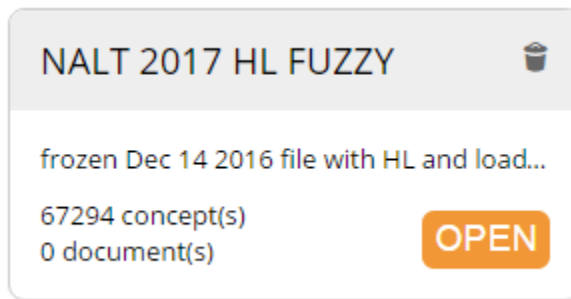
31. If you click on the "background processes" icon you will open a window that shows you the progress:

Background Processes

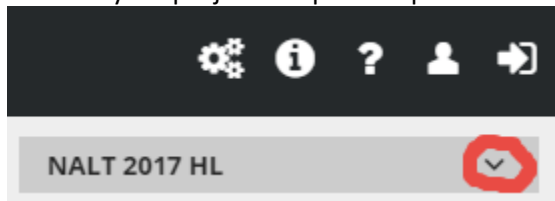
In progress ▶ Importation of concepts Feb 17, 10:47:15 - 20m 52s

Finished Project NALT 2017 SameForm successfully created Feb 17, 10:34:47 - 5s

32. When the process is complete, you can go back to the HOME tab and see your project. The number of concepts should match the number of terms in the originating MultiTes file.



33. OPEN your new project:
34. **Note: Murali suggests that you do the configurations of the project PRIOR to loading in data, as this will save time in the overall process.**
35. **Next steps are to CONFIGURE your project.** Go to the upper right hand area and click on the name of your project to open the pull down menu.



36. Select "CONFIGURE" from the pull down menu.

37. By default, the Project Languages are English, French and German. Uncheck French and German so that ENGLISH is the only language checked.

Configure project NALT 2017 HL

GENERAL

- Project
- Annotation Plan
- Search Filters
- Languages**
- Suggestions

CONTENT DISPLAY

- Concept attributes
- Concept types
- Highlight
- Document metadata
- Resources panel

ADVANCED

- Deploy
- Preview Queries
- ID Strategies
- Security
- Indexes

Languages

Select the languages available for your project resources and the default language to be used for new concept labels

Project languages

<input checked="" type="checkbox"/> English	<input type="checkbox"/> Czech	<input type="checkbox"/> Indonesian	<input type="checkbox"/> Russian
<input type="checkbox"/> French	<input type="checkbox"/> Danish	<input type="checkbox"/> Irish	<input type="checkbox"/> Slovak
<input type="checkbox"/> German	<input type="checkbox"/> Dutch	<input type="checkbox"/> Japanese	<input type="checkbox"/> Slovene
<input type="checkbox"/> Italian	<input type="checkbox"/> Esperanto	<input type="checkbox"/> Korean	<input type="checkbox"/> Swahili
<input type="checkbox"/> Spanish	<input type="checkbox"/> Estonian	<input type="checkbox"/> Latin	<input type="checkbox"/> Swedish
<input type="checkbox"/> Arabic	<input type="checkbox"/> Finnish	<input type="checkbox"/> Lithuanian	<input type="checkbox"/> Turkish
<input type="checkbox"/> Bulgarian	<input type="checkbox"/> Georgian	<input type="checkbox"/> Norwegian Bokmål	<input type="checkbox"/> Ukrainian
<input type="checkbox"/> Catalan	<input type="checkbox"/> Greek	<input type="checkbox"/> Norwegian Nynorsk	<input type="checkbox"/> Vietnamese
<input type="checkbox"/> Chinese	<input type="checkbox"/> Hebrew	<input type="checkbox"/> Polish	<input type="checkbox"/> Welsh
<input type="checkbox"/> Croatian	<input type="checkbox"/> Hungarian	<input type="checkbox"/> Portuguese	
	<input type="checkbox"/> Icelandic	<input type="checkbox"/> Romanian	

Default language

English ▼

Multilingual labels

☐ Allow the input of multilingual labels

SAVE & CLOSE **CANCEL**

38. Click on SAVE & CLOSE.

39. **Next configuration is to set the STATIC MAPPING.** The reason we want to configure static mapping (setting the normalization value to `${prefLabel.english}`), is that it will enable us to view the “prefLabel” of the concept in Annotation Workbench (instead of the URI number). This enables human readability when doing quality control of batches.

40. In the upper right, Use the pull down menu for the thesaurus project and select “Configure” . Click on “Resources panel” under “Content Display” and check the box for “Configuration”, “Suggestions” and “Filters”. Click on “Save & Close”

1-100 / 67294

Configure project NALT 2017 HL

- GENERAL**
 - Project
 - Annotation Plan
 - Search Filters
 - Languages
 - Suggestions
- CONTENT DISPLAY**
 - Concept attributes
 - Concept types
 - Highlight
 - Document metadata
 - Resources panel**
- ADVANCED**
 - Deploy
 - Preview Queriers
 - ID Strategies
 - Security
 - Indexes

Resources panel

Define the sub panels to be displayed in the Resources panel of the project

Resources panel display

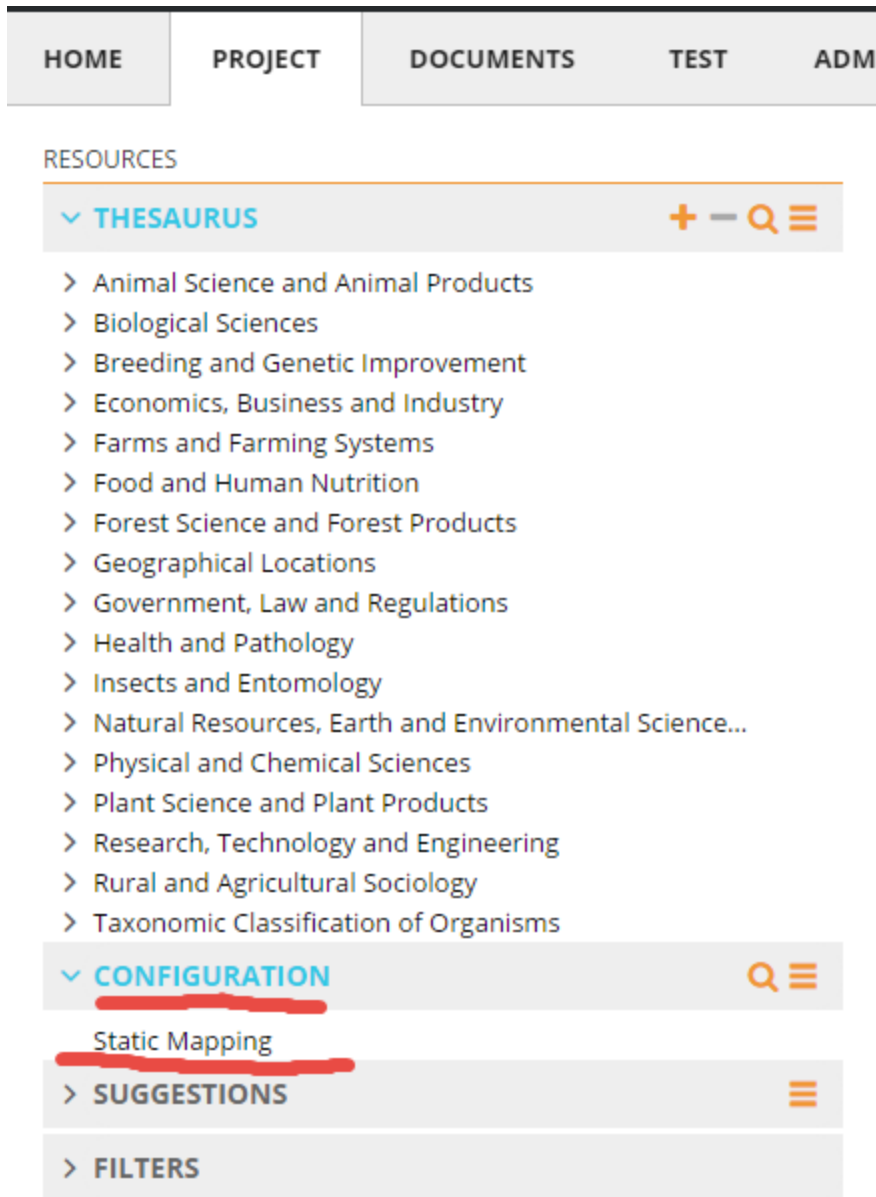
<input checked="" type="checkbox"/> Thesaurus	<input checked="" type="checkbox"/> Suggestions	<input checked="" type="checkbox"/> Filters
<input type="checkbox"/> Classes	<input type="checkbox"/> Property Values	<input checked="" type="checkbox"/> <u>Configuration</u>


Resources panel hidden types

No hidden type

SAVE & CLOSE **CANCEL**

41. Now, in the Project view, look for “Configuration” on the left side



42. Select “Static Mapping”. On the panel called “Search in Static Mapping” , click on the  symbol to add a new concept, and input “/Thesaurus/Concept”, then click ADD. (NOTE: If the concept already exists, please don’t add another one. We may modify the existing concept).

Add new concept

LABEL: /Thesaurus/Concept ✓

☐ Add another ADD

43. Select this new concept. On the panel that would appear on the right, click on NORMALIZATION.

SEARCH IN STATIC MAPPING

/Thesaurus/Concept

EDIT /THESAURUS/CONCEPT

GENERAL

IDENTIFIER /Thesaurus/Concept

STATIC MAPPING

DELETE ☐

NEW VALUE

NORMALIZATION

44. Add the value `${prefLabel.english}` under the field NORMALIZATION. Then save the changes.

EDIT /THESAURUS/CONCEPT

GENERAL

IDENTIFIER /Thesaurus/Concept

STATIC MAPPING

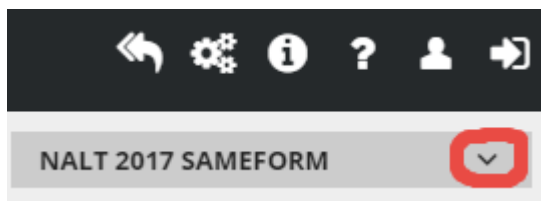
DELETE ☐

NEW VALUE

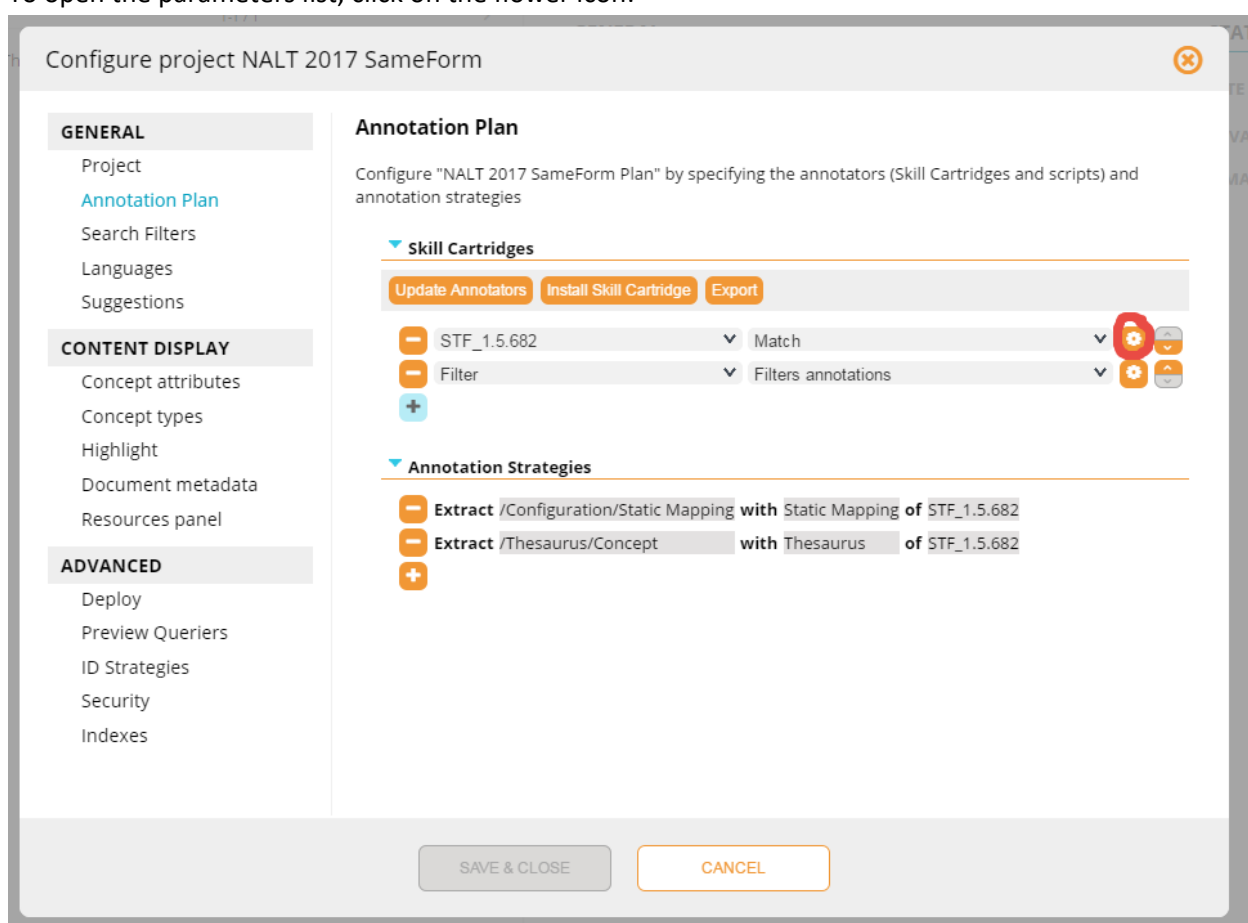
NORMALIZATION `${prefLabel.english}`

45. **Next, need to check the parameters that are set for STF/Thesaurus.** These should be static since they are inherited from the NAL-Thesaurus template, but check to make sure of the settings.

46. Go back to the upper right hand gray box with the name of the project and select CONFIGURE from the pull down menu:



47. In the “Configure Project” window, select “Annotation Plan” from the left panel.
48. To open the parameters list, click on the flower icon:



49. Click on “Advanced Mode”

Configure STF_1.5.682 Skill Cartridge Parameters

Reset

☒ Advanced Mode

▼ Evaluation

Boost factor per zone

Reliability procedure ▼

Score combination procedure ▼

Score evaluation procedure ▼

Term selection procedure ▼

Term selection value

▼ General

Cache tagging ▼

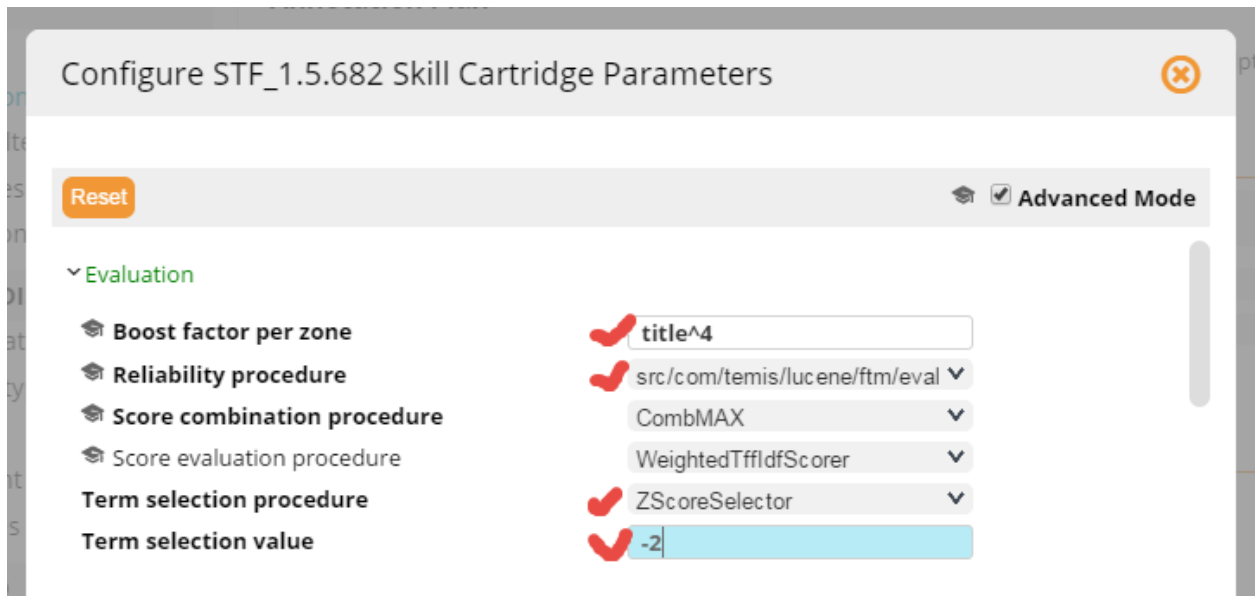
Compute tag ▼

Configuration directory

Follow pointers ▼

SAVE CANCEL

50. The parameters cover several screens, so you will need to scroll to see all parameters. Select the parameters shown in the screen shots:



Configure STF_1.5.682 Skill Cartridge Parameters

Reset Advanced Mode

▼ Evaluation

- Boost factor per zone title⁴
- Reliability procedure src/com/temis/lucene/ftm/eval ▼
- Score combination procedure CombMAX ▼
- Score evaluation procedure WeightedTfIdfScorer ▼
- Term selection procedure ZScoreSelector ▼
- Term selection value -2

Explanation of parameters:

Boost factor per zone: title⁴ increases the ranking of terms that appear in the title by a factor of 4.

Reliability procedure: The selection above is using the special reliability procedure that was written for us that resembles the “NotNounsReliability” that we used in Luxid 6.

Term selection procedure: Z score selector setting at -2. See Z-score on Wikipedia for information on the population of terms that are extracted.

Configure STF_1.5.682 Skill Cartridge Parameters

Reset

Advanced Mode

General

Cache tagging

true

Compute tag

true

Configuration directory

config

Follow pointers

true

Hierarchy depth

-1

Index directory

index

Knowledge name

STFKnowledge

Tagger precedence

xelda,essex

Term identifier

Id

Use static mapping

true

Matching


SAVE

CANCEL

NO CHANGE

Configure STF_1.5.682 Skill Cartridge Parameters

Reset

 **Advanced Mode**

▼ Matching

Allow spelling variants

✓ true

Debug

false

Disambiguate

true

Intra-word punctuation regex

Lookup policy

✓ LongestMatch

Matching filter

Matching in order

✓ true

Maximum edit distance

1

Minimum matching score

0.5

Minimum spelling prefix

✓ 99

Minimum spelling word count

2

Slop

✓ 0

Use normalizer

→ false

▼ Normalization

ID normalization

▼ Synchronization

Indexed attributes

Omitted attributes

StopListContext,ForbiddenSpa

Synchronization languages

english

Synchronization normalizer

lemma

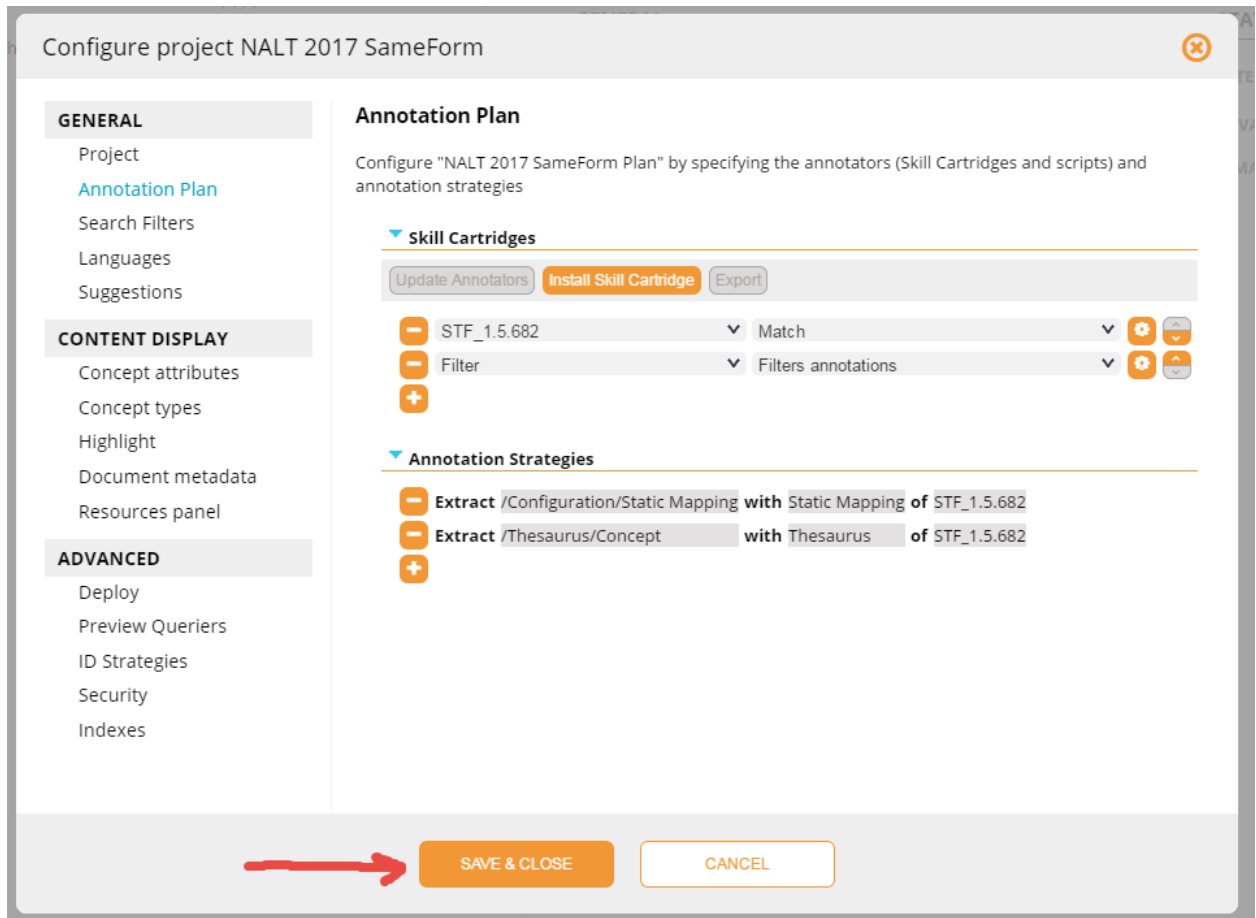
SAVE

CANCEL

51. Don't forget to SAVE the parameters!

19

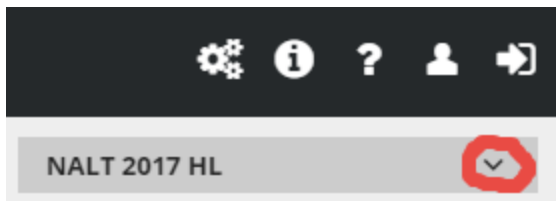
52. Back at the Configure Project window, click on SAVE & CLOSE.



53. Before continuing, make sure your configuration is completely saved. The “multiple spinning colored dots” should not be present.

54. Now, for this thesaurus to be active on the server, **this project must be deployed**, with a new version number/name, to environments in both the WebStudio as well as the Annotation Server.

55. Go to the gray project pull down menu:



56. Use the pull down menu and select “Deploy”. The “Deployment” window will open:

Deployment

Environment: Annotation Server ▼

Hostname	Availability	Deployment
Admin server	●	●

Login: Lori

Password:

Deploy as: NALT 2017 SameForm-1.0

DEPLOY CLOSE

57. We have previously set up the deployment environments (see separate instructions for this procedure, but once setup you do not have to redo unless you change servers. Our current environments are “Annotation Server” and “My Web Studio”. A new thesaurus will need to be at least deployed to the “Annotation Server” so that Luxid Annotation associated with our pipeline will use this new resource.

58. Select your “environment” , login/password, and name the new thesaurus Skill Cartridge. Naming should use “NALT” and reflect date, e.g. NALT 2017 SF Feb 17 2017.

59. Click on DEPLOY.

Deployment

Deployment completed on environment Annotation Server. ✓

Environment: Annotation Server ▼

Hostname	Availability	Deployment
Admin server	✓	✓

Login: Lori

Password:

Deploy as: NALT 2017 SF Feb 17 2017

DEPLOY CLOSE

60. Availability is checked first, to see if the server is available and the Deployment is checked when the deployment is successful.

61. Deploy resource to “My Web Studio”, repeating steps above except choosing “My Web Studio” for the environment. Close this window.

62. Next we need to **add this new thesaurus in the main Annotation Plan** in the Annotation Server (as well as in any annotation plan in the WebStudio if desired for testing!)

63. Go to LuxidAdmin at ai-luxid.nal.usda.gov:8061/LuxidAdmin.

64. A list of SHARED SKILL CARTRIDGES will appear. This list contains skill cartridges, scripts, and annotation plans in one list:

The screenshot shows the Luxid Annotation Server Administration interface. The browser address bar displays `ai-luxid.nal.usda.gov:8061/LuxidAdmin/#admin;scL=root`. The page has a dark header with the Luxid logo and "ANNOTATION SERVER" text. Below the header is a navigation bar with "TEST" and "ADMINISTRATION" tabs. The "ADMINISTRATION" tab is active, showing a sidebar with "Skill Cartridges" (SHARED) and "Users" (LIST, CREATE). The main content area is titled "SHARED SKILL CARTRIDGES" and contains buttons for "Create Plan", "Install Skill Cartridge", and "Uninstall". A list of skill cartridges is displayed, including "AA Idioms-Feb-06-2017", "AA To-Assign GEO PB-Feb-06-2017", "AA To-Assign-Feb-06-2017", "Analytics2", "Complex Terms-Feb-06-2017", "DroolFilteringIdiomExclusion", "DroolFilteringToAssign", "DroolFilteringToAssignGeo", "DroolFilteringToIgnore", and "DroolFilterOutBroader".

65. The annotation plan that we normally use for production will be NAL-AP. You just need to update the contents of NAL-AP with the new thesaurus. Click on NAL-AP and a new panel will open to the right:

The screenshot shows the configuration page for "NAL-AP - 1.0.0.31". It features buttons for "Export" and "Uninstall". Below these is a text input field labeled "Enter a plan description.". The "Procedures" section is expanded, showing a "default" procedure with the description "Execute the Annotation Plan". The "Skill Cartridges" section is also expanded, displaying a table of installed cartridges. Each row includes a minus icon, the cartridge name, a dropdown menu, and a plus icon. A "SAVE" button is located at the bottom left.

Cartridge Name	Configuration
NALT 2017 HL fuzzy-2.0	default
InfectionSC-v1	default
AA Idioms-Feb-06-2017	default
To-Ignore-Feb-06-2017	default
AA To-Assign-Feb-06-2017	default
AA To-Assign GEO PB-Feb-06-2017	default
Complex Terms-Feb-06-2017	default
NAL-Drools ver 1.0	default
NALRenameType_v1	process
NALConvertedBeanshells_v2	process

66. To add the new skill cartridge, use the plus at the bottom of the list to add your new thesaurus:

NAL-AP - 1.0.0.31

[Export](#) [Uninstall](#)

Enter a plan description.

▼ **Procedures**

default
Execute the Annotation Plan

▼ **Skill Cartridges**

[-] NALT 2017 HL fuzzy-2.0	▼ default	▼	⚙️	⬆️
[-] InfectionSC-v1	▼ default	▼	⚙️	⬆️
[-] AA Idioms-Feb-06-2017	▼ default	▼	⚙️	⬆️
[-] To-Ignore-Feb-06-2017	▼ default	▼	⚙️	⬆️
[-] AA To-Assign-Feb-06-2017	▼ default	▼	⚙️	⬆️
[-] AA To-Assign GEO PB-Feb-06-2017	▼ default	▼	⚙️	⬆️
[-] Complex Terms-Feb-06-2017	▼ default	▼	⚙️	⬆️
[-] NAL-Drools ver 1.0	▼ default	▼	⚙️	⬆️
[-] NALRenameType_v1	▼ process	▼	⚙️	⬆️
[-] NALConvertedBeanshells_v2	▼ process	▼	⚙️	⬆️
+				

[SAVE](#)

67. Use the pull down menu to select the name of the new Thesaurus skill cartridge, e.g. NALT 2017 SF Feb 17 2017.

▼ **Skill Cartridges**

[-] NALT 2017 HL fuzzy-2.0	▼ default	▼	⚙️	⬆️
[-] InfectionSC-v1	▼ default	▼	⚙️	⬆️
[-] AA Idioms-Feb-06-2017	▼ default	▼	⚙️	⬆️
[-] To-Ignore-Feb-06-2017	▼ default	▼	⚙️	⬆️
[-] AA To-Assign-Feb-06-2017	▼ default	▼	⚙️	⬆️
[-] AA To-Assign GEO PB-Feb-06-2017	▼ default	▼	⚙️	⬆️
[-] Complex Terms-Feb-06-2017	▼ default	▼	⚙️	⬆️
[-] NAL-Drools ver 1.0	▼ default	▼	⚙️	⬆️
[-] NALRenameType_v1	▼ process	▼	⚙️	⬆️
[-] NALConvertedBeanshells_v2	▼ process	▼	⚙️	⬆️
[-] NALT 2017 SF Feb 17 2017	▼ default	▼	⚙️	⬆️
+				

[SAVE](#)

NEW

68. Use the Orange “up arrow” on the right to move your Thesaurus to the top. Order of the skill cartridges in the plan DOES MATTER. The thesaurus must be the first item on the list.

▼ Skill Cartridges

	NALT 2017 SF Feb 17 2017 ✓	▼	default	▼		
	NALT 2017 HL fuzzy-2.0	▼	default	▼		
	InfectionSC-v1	▼	default	▼		
	AA Idioms-Feb-06-2017	▼	default	▼		
	To-Ignore-Feb-06-2017	▼	default	▼		
	AA To-Assign-Feb-06-2017	▼	default	▼		
	AA To-Assign GEO PB-Feb-06-2017	▼	default	▼		
	Complex Terms-Feb-06-2017	▼	default	▼		
	NAL-Drools ver 1.0	▼	default	▼		
	NALRenameType_v1	▼	process	▼		
	NALConvertedBeanshells_v2	▼	process	▼		

SAVE

69. Use the Orange “-” button on the left to remove the old Thesaurus from the Annotation Plan.

▼ Skill Cartridges

	NALT 2017 SF Feb 17 2017 ✓	▼	default	▼		
	InfectionSC-v1 ✓	▼	default	▼		
	AA Idioms-Feb-06-2017 ✓	▼	default	▼		
	To-Ignore-Feb-06-2017 ✓	▼	default	▼		
	AA To-Assign-Feb-06-2017 ✓	▼	default	▼		
	AA To-Assign GEO PB-Feb-06-2017 ✓	▼	default	▼		
	Complex Terms-Feb-06-2017 ✓	▼	default	▼		
	NAL-Drools ver 1.0 ✓	▼	default	▼		
	NALRenameType_v1 ✓	▼	process	▼		
	NALConvertedBeanshells_v2 ✓	▼	process	▼		

SAVE ✓

70. Check that all components are in the order as above. Then SAVE.

71. You are now ready to **test your new STF** using the TEST.
72. While still in LuxidAdmin, click on the TEST tab.

The screenshot shows the Luxid Annotation Server interface. At the top, the Luxid logo and 'ANNOTATION SERVER' text are visible. Below the header, there are two tabs: 'TEST' and 'ADMINISTRATION'. The 'TEST' tab is highlighted with a red circle. The main content area is titled 'PARAMETERS'. Under 'SKILL CARTRIDGE', a dropdown menu shows 'NAL-AP' selected, with a red underline. Below that, the 'PROCEDURE' dropdown shows 'default'. There are three tabs: 'FILE', 'TEXT', and 'URL'. The 'TEXT' tab is selected. To the right of the tabs is a checkbox labeled 'Advanced Mode'. The 'TEXT TO BE ANNOTATED' section contains a text box with the text: 'We measured CO₂ from soil in Apalachicola, Ocala, and Osceola National Forests and can measure other gases.' Below this is a 'DATA FORMAT' dropdown menu showing 'Documents, spreadsheets, PDFs...'. At the bottom, there is an orange 'Annotate' button with a red checkmark next to it.

73. Select the NAL-AP for the “Skill Cartridge” from the pulldown menu.
74. Enter your Text that you want to test (use the “Good Sentences to test” under the Q:\Knowledge Files folder).

75. Click on ANNOTATE.

76. The NALTERMs that are annotated will appear in a right panel.

▼ NALTERM

Apalachicola, Ocala, and Osceola National Forests

carbon dioxide

soil

77. The center panel shows you the text you annotated with highlighting on extraction points.

A4BA9897CFEF5369EB9C042855B77BB6

Interactive view ▼

identifier : **a4ba9897cfef5369eb9c042855b77bb6** language : **English**

We measured CO₂ from soil in Apalachicola, Ocala, and Osceola National Forests and can measure other gases.

78. Compare these results to the results expected in “Good sentences to test”.