

STN Coffee Lecture 

Optimizing STN Settings for Custom Search Environment

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Agenda

1. Settings in STNext
2. Search environment SET commands
3. Custom search fields

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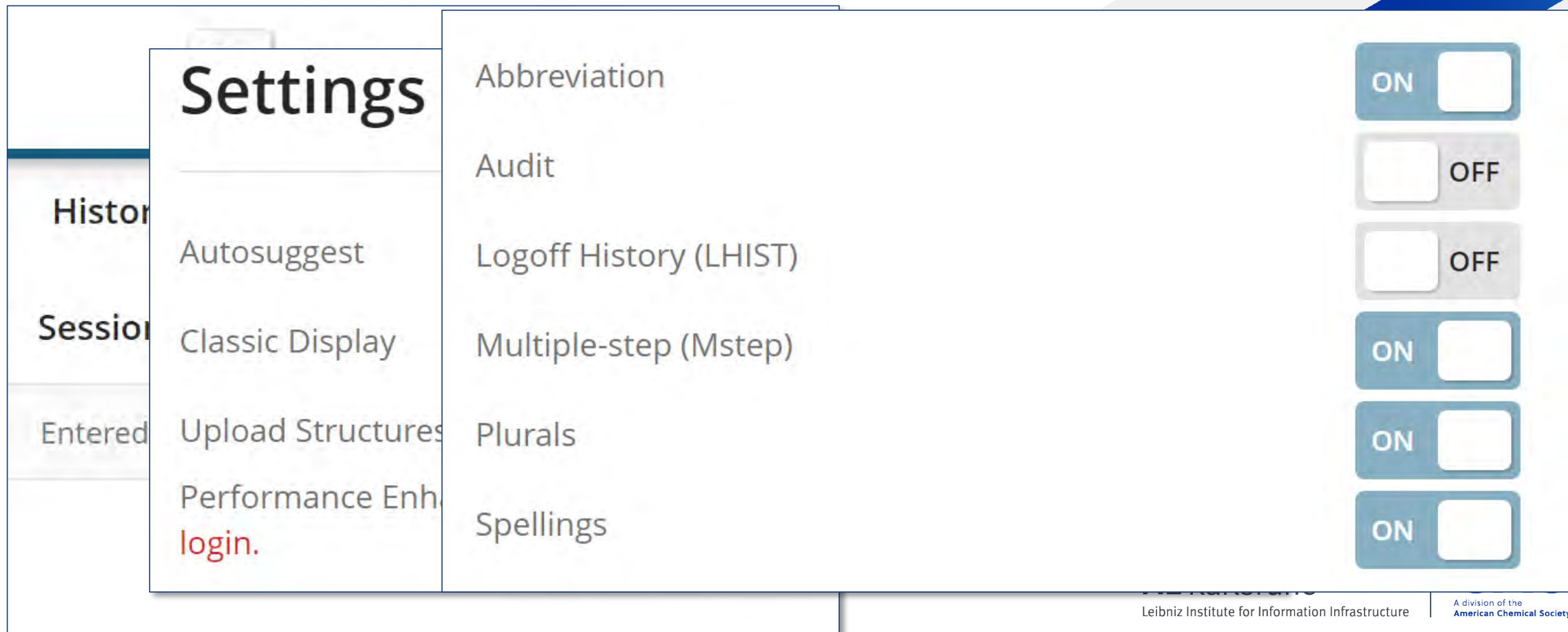
1. Settings in STNext
2. Search environment SET commands
3. Custom search fields

SET commands impact various parts of your online session

1. Search options
2. Multifile-specific searching parameters
3. Display options
4. General online session parameters

This session deals with SET commands that primarily affect SEARCH options. For other types of SET commands, see “Additional Resources.”

In STNext, use SET commands from the command line OR in “Settings” under your ID



The screenshot displays the 'Settings' menu in STNext. The menu is open, showing a list of settings on the left and a corresponding list of toggle switches on the right. The settings listed are:

- Abbreviation
- Audit
- Logoff History (LHIST)
- Multiple-step (Mstep)
- Plurals
- Spellings

The toggle switches are currently in the 'ON' position. The word 'login.' is visible in red text at the bottom left of the settings menu.

Setting	Toggle State
Abbreviation	ON
Audit	OFF
Logoff History (LHIST)	OFF
Multiple-step (Mstep)	ON
Plurals	ON
Spellings	ON



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Some familiar SET commands add flexibility to search recall

- SET PLURALS – automatically retrieves singular and plural forms of search terms, including irregular plurals
- SET ABBREVIATIONS – Automatically retrieves standard abbreviations for common search terms
- SET SPELLINGS – Automatically accounts for the different spellings between British and American English, plus unambiguous synonyms

SET ABB, PLU and SPE work together

```
=> S HEMOGLOBIN
```

```
L1      59305 HEMOGLOBIN
```

```
=> S HEMOGLOBIN PLU=ON ABB=ON SPE=ON
```

```
59305 HEMOGLOBIN
```

```
79970 HEMOGLOBINS
```

```
118060 HEMOGLOBIN
```

```
(HEMOGLOBIN OR HEMOGLOBINS)
```

```
1352 HAEMOGLOBIN
```

```
47 HAEMOGLOBINS
```

```
1393 HAEMOGLOBIN
```

```
(HAEMOGLOBIN OR HAEMOGLOBINS)
```

```
118557 HEMOGLOBIN
```

```
(HEMOGLOBIN OR HAEMOGLOBIN)
```

```
113948 HB
```

```
11703 HBS
```

```
118069 HB
```

```
(HB OR HBS)
```

```
L2
```

```
167547 HEMOGLOBIN
```

```
(HEMOGLOBIN OR HB)
```

The abbreviation for hemoglobin is Hb.

Option: All three settings may also be toggled ON or OFF via the command line if needed.

PLU, ABB and SPE combine to include a number of variations to get a final search result (L2).

SET EXPAND changes how E-numbers are assigned

```
=> E BLACKBERRY
```

```
E1          1    BLACKBERGI/BI
E2         490    BLACKBERRIES/BI
E3        1361 --> BLACKBERRY/BI
E4          1    BLACKBERRYLIKE/BI
E5          4    BLACKBERRYLILY/BI
E6          1    BLACKBIOL/BI
E7         199    BLACKBIRD/BI
E8          1    BLACKBIRDØ/BI
E9         174    BLACKBIRDS/BI
E10         1    BLACKBLACK/BI
E11         3    BLACKBLUE/BI
E12        323    BLACKBOARD/BI
```

```
=> E BLUEBERRY
```

```
E1          1    BLUEBERR/BI
E2         971    BLUEBERRIES/BI
E3        2731 --> BLUEBERRY/BI
E4          1    BLUEBGF/BI
E5          1    BLUEBILL/BI
E6         29    BLUEBIRD/BI
E7         24    BLUEBIRDS/BI
E8         26    BLUEBLACK/BI
E9          2    BLUEBO/BI
E10         1    BLUEBOARD/BI
E11        35    BLUEBONNET/BI
E12         2    BLUEBONNETS/BI
```

```
=> SET EXPAND CONTINUOUS
SET COMMAND COMPLETED
```

```
=> E BLUEBERRY
```

```
E1          1    BLUEBERR/BI
E2         971    BLUEBERRIES/BI
E3        2731 --> BLUEBERRY/BI
E4          1    BLUEBGF/BI
E5          1    BLUEBILL/BI
E6         29    BLUEBIRD/BI
E7         24    BLUEBIRDS/BI
E8         26    BLUEBLACK/BI
E9          2    BLUEBO/BI
E10         1    BLUEBOARD/BI
E11        35    BLUEBONNET/BI
E12         2    BLUEBONNETS/BI
```

```
=> E BLACKBERRY
```

```
E13         1    BLACKBER
E14         490    BLACKBER
E15        1361 --> BLACKBER
E16          1    BLACKBER
E17          4    BLACKBER
E18          1    BLACKBIO
E19         199    BLACKBIR
E20          1    BLACKBIRDØ/BI
E21         174    BLACKBIRDS/BI
E22          1    BLACKBLACK/BI
E23          3    BLACKBLUE/BI
E24         323    BLACKBOARD/BI
```

SET EXPAND RENUMBER is the default, which causes E-numbers to start over at E1 each time the command is used. SET EXPAND CONTINUOUS (PERM) changes this to a continuous list of up to 999 line numbers.

STNext provides many SET options to assist with multifile searches

- **SET CLUSTER** – Create personalized clusters for multifile searching
- **SET MSTEPS** – Create a separate answer set for each database in the multifile search
- **SET DUPORDER** – Control the order of answers in a duplicate-removed answer set
- **SET AUDIT** – Track search terms that give zero hits when a **TRANSFER** answer set is searched

Use **HELP SET [PARAMETER]** for more details, e.g. **HELP SET AUDIT**

SET CLUSTER is convenient if you regularly search a specific set of databases

- Start personalized cluster names with a period (full-stop)
- Cluster names may contain 2-16 alphanumeric characters and dots

```
=> SET CLUSTER
ENTER CLUSTER NAME OR (?):.MEDFILES
ENTER LIST OF FILE NAMES OR (?):MEDLINE CAPLUS BIOSIS EMBASE
MORE FILES, (NONE) OR ?:NONE
CLUSTER '.MEDFILES' DEFINED AS 'MEDLINE, CAPLUS, BIOSIS, EMBASE'
SET COMMAND COMPLETED
```

- To see a definition of a cluster name, type `DISPLAY CLUSTER [NAME]` at an arrow prompt
- Type `DISPLAY CLUSTER` at an arrow prompt to see a list of all the clusters

SET LHISTORY provides a summary of your search session when you LOGOFF

```
=> LOG Y

(FILE 'HOME' ENTERED AT 13:11:43 ON 28 JUN 2013)

FILE 'REGISTRY' ENTERED AT 13:12:03 ON 28 JUN 2013
E RESVERATROL/CN

L1      1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON  RESVERATROL/CN
        SELECT CHEM L1 1-
        D SEL E13-E24
L2      108 SEA FILE=REGISTRY SPE=ON  ABB=ON PLU=ON (( "(E)-RESVERATROL"/BI OR "(E)-
2-(3,5-DIHYDROXYPHENYL)-1-(4-HYDROXYPHENYL)ETHENE"/BI OR "(E)-3,4',5-
TRIHYDROXYSTILBENE"/BI OR "(E)-5-(P-HYDROXYSTYRYL)RESORCINOL"/BI) OR (RESVERATROL/BI OR
TRANS-RESVERATROL/BI OR "3,4,5-STILBENETRIOL"/BI OR "3,4',5-TRIHYDROXY-TRANS-
STILBENE"/BI OR 31100-06-8/BI OR "5-(1E)-2-(4-HYDROXYPHENYL)ETHENYL)-1,3-
BENZENEDIOL"/BI OR 501-36-0/BI))

FILE 'USPATFULL, EMBASE, MEDLINE' ENTERED AT 13:13:31 ON 28 JUN 2013
L3      538 SEA FILE=USPATFULL SPE=ON  ABB=ON  PLU=ON  L2
L4      3699 SEA FILE=EMBASE SPE=ON  ABB=ON  PLU=ON  L2
L5      2089 SEA FILE=MEDLINE SPE=ON  ABB=ON  PLU=ON  L2

TOTAL FOR ALL FILES
L6      6326 SEA FILE=MFE SPE=ON  ABB=ON  PLU=ON  L2
        D L6 10 FROM EACH
```

The summary includes time and date stamps.
The search history is equivalent to a **DISPLAY HISTORY FULL**.

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Change default search fields with SET SFIELDS

```
=> SET SFIELDS BI,BIEX  
SET COMMAND COMPLETED
```

SET SFIELDS changes the default search fields for the active session. The change search fields permanently, add PERM to the SET command

```
=> D SET SFIELDS  
SET PARAMETER CURRENT      PERMANENT LOGIN DEFAULT  
-----  
SFIELDS      'BI,BIEX'      'BI'      'BI'
```

Additional Resources

- SET commands e-seminar: <https://www.stn-international.com/en/training-center/recorded-e-seminars/stn-coffee-lecture-customize-your-stnext-experience-set>
- Virtual Records step-by-step: <https://www.stn-international.com/en/training-center/recorded-e-seminars/start-finish-using-multi-file-approach-chemical-queries-and>
- Basic STN commands Quick Reference: https://www.stn-international.com/sites/default/files/stn_training_center_document/Quick%20Reference%20Cards/Basic%20STN%20Commands.pdf

Questions? Feedback?



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