



Customize your STNNext Experience with SET Commands

SET commands have impact on various parts of your online session

- Search options
- Multifile-specific searching parameters
- Display options
- General online session parameters

We will look at some of the more popular and useful SET commands in each of these areas.



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

The screenshot displays the 'Settings' page in STNext. On the left, a navigation menu includes 'History', 'Session', and 'Entered HOME'. The main content area is titled 'Set' and lists several settings with corresponding toggle switches:

- Abbreviation: ON (switch is blue)
- Audit: OFF (switch is grey)
- Logoff History (LHIST): OFF (switch is grey)
- Multiple-step (Mstep): ON (switch is blue)
- Plurals: ON (switch is blue)
- Spellings: ON (switch is blue)
- Performance Enhancement (Beta): OFF (switch is grey)

A red text annotation at the bottom of the settings list reads: "Takes effect at next login." Below this text is a grey toggle switch labeled "OFF".

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
```

The abbreviation for hemoglobin is Hb.

```
=> 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)
```

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).

EXPAND RENUMBER starts at E1 every time

```
=> E BLACKBERRY
E1      1      BLACKBERGI /BI
E2     490     BLACKBERRI ES/BI
E3    1361 --> BLACKBERRY/BI
E4      1      BLACKBERRYLI KE/BI
E5      4      BLACKBERRYLI LY/BI
E6      1      BLACKBI OL/BI
E7     199     BLACKBI RD/BI
E8      1      BLACKBI RDO/BI
E9     174     BLACKBI RDS/BI
E10     1      BLACKBLACK/BI
E11     3      BLACKBLUE/BI
E12    323     BLACKBOARD/BI
```

```
=> E BLUEBERRY
E1      1      BLUEBERR/BI
E2     971     BLUEBERRI ES/BI
E3    2731 --> BLUEBERRY/BI
E4      1      BLUEBGF/BI
E5      1      BLUEBI LL/BI
E6     29     BLUEBI RD/BI
E7     24     BLUEBI RDS/BI
E8     26     BLUEBLACK/BI
E9      2      BLUEBO/BI
E10     1      BLUEBOARD/BI
E11    35     BLUEBONNET/BI
E12     2      BLUEBONNETS/BI
```

EXPAND CONTINUOUS adds numbers sequentially

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

```
=> E BLUEBERRY  
E1          1      BLUEBERR/BI  
E2         971     BLUEBERRI ES/BI  
E3        2731 --> BLUEBERRY/BI  
E4          1      BLUEBGF/BI  
E5          1      BLUEBIL/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      BLACKBERGI /BI  
E14        490     BLACKBERRI ES/BI  
E15       1361 --> BLACKBERRY/BI  
E16         1      BLACKBERRYLI KE/BI  
E17         4      BLACKBERRYLI LY/BI  
E18         1      BLACKBI OL/BI  
E19        199     BLACKBI RD/BI  
E20         1      BLACKBI RDO/BI  
E21        174     BLACKBI RDS/BI  
E22         1      BLACKBLACK/BI  
E23         3      BLACKBLUE/BI  
E24       323     BLACKBOARD/BI
```

SET EXPAND RENUMBER to change
back to the default.

STNNext provides many SET options to assist specifically 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 CLUSTER COMMENT is a way to add descriptive comments

```
=> SET CLUSTER COMMENT
ENTER CLUSTER NAME OR (?): .MEDFILES
(MODIFY), OVERWRITE OR ?: MODIFY
ENTER COMMENT OR (NONE): MEDICAL DATABASES FREQUENTLY SEARCHED
MORE FILES, (NONE) OR ?: NONE
CLUSTER '.MEDFILES' DEFINED AS 'MEDLINE, CAPLUS, BIOSIS, EMBASE'
SET COMMAND COMPLETED
```

```
=> DIS CLUSTER
CLUSTER NAME      COMMENT
-----
. MEDFILES        MEDICAL DATABASES FREQUENTLY SEARCHED
ADISBASES         Adis International Limited Database Cluster
AEROTECH          Aerospace and Related Technology Cluster
AGRI CULTURE      Agriculture Cluster
...
```

Remember: Personal cluster names must begin with a period "." (full-stop), e.g. `.MEDFILES`.

Create a customized default display format with SET FORMAT and SET DFORMAT

- Create customized, default display formats in each database to simplify display, e.g. following a DUP REM or patent family sort (FSORT) command

```
=> SET FORMAT
ENTER FORMAT NAME OR (?): .MYDGENEALIGN
ENTER FORMAT DEFINITION OR (?): TRI OS ORGN SCORE ALIGN
SET COMMAND COMPLETED
```

```
=> FILE DGENE
```

```
=> SET DFORMAT .MYDGENEALIGN PERM
SET COMMAND COMPLETED
```

```
=> D FORMAT
```

```
USER-DEFINED FORMAT DEFINITION
```

```
-----
. MYDGENEALIGN          TRI OS ORGN SCORE ALIGN
```

Setting a default display format for a database allows the use of **DISPLAY** without specifying a format.

```
DEFAULT FORMAT FOR FILE
```

```
-----
DGENE
```

Example: Customized default display format

```
L2      RUN STATEMENT CREATED
L2      1356 RARGSDENAKYCSKETLILELGFPA/SQP. - F F - M PAM30 - W 2 - E 20000
```

Answer set arranged by accession number; to sort by descending similarity score, enter at an arrow prompt (=>) "sor score d".

```
=> SOR L2 SCORE D
PROCESSING COMPLETED FOR L2
L3      1356 SOR L2 SCORE D
```

```
=> D
```

```
L3      ANSWER 1 OF 1356  DGENE  COPYRIGHT 201
AN      AAY90867  Protein  DGENE
TI      Two circular single-stranded DNAs associated with banana bunchy top
        virus and detection of the virus -
DESC   Banana bunchy top virus related protein sequence #1.
KW     Banana bunchy top virus; BBTV; detection.
SQL    286
OS     2000-316145 [27]
ORGN   Banana bunchy top virus.
SCORE  71      83% of query self score 85
BLASTALIGN
  Query  = 26 letters
  Length = 286
  Score  = 71.5 bits (161), Expect = 2e-18
  Identities = 21/24 (87%), Positives = 22/24 (91%)
Query:  2      ARGSDENAKYCSKETLILELGF 25
        ARG DE+N KYCSKETLILELGF
Sbj ct: 78     ARGTDEENSKYCSKETLILELGF 101
```

Setting a default display format for a database allows the use of **DISPLAY** without specifying a format.



SET UNIT is convenient and easy

To change the unit system for all numeric fields in a database:

=> **SET UNIT ALL=ENG**

To change the unit system for a field in a database:

=> **SET UNIT**
ENTER FIELD CODES AND UNITS OR (END): BP=K

=> **SET UNIT**
ENTER FIELD CODES AND UNITS OR (END): BP=F DEN=LB/FT3**

=> **SET UNIT BP=F DEN=LB/FT**3**

To return to the default settings:

=> **SET UNIT BP=""**

=> **OR**
SET UNIT ALL=""

HELP SET UNIT provides a summary of all the unit options available.

The default units for numeric fields in a database are the units in which the database was loaded.

SET LHHISTORY 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
L4 3699 SEA FILE=EMBASE SPE=ON ABB=ON
L5 2089 SEA FILE=MEDLINE SPE=ON ABB=ON

The summary includes time and date stamps.
The search history is equivalent to a [DISPLAY HISTORY FULL](#).

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

For more information on SET options



- Use **HELP SET** to show all available SET options with brief descriptions
- Use **HELP SET [PARAMETER]** at the system prompt for more information:
 - => **HELP SET AUDIT**
 - => **HELP SET LCOST**

Summary – SET commands

- Improved convenience with search-related settings
- Assistance with multifile searching
- Saving time with displays
- Working with online session settings



Contact Us



CAS help@cas.org
www.cas.org

FIZ Karlsruhe helpdesk@fiz-karlsruhe.de
www.stn-international.de