

Event Index Core *(Hadoop & HBase)*



- Import
- AMI Interface
- Event Lookup
- Web Service
- FAQ
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- Plans

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Import

- Import goes on smoothly
 - Derived TagFiles generated once a day
 - Since 3:00...
 - Overlap, Statistics tables,...
 - Could take quite long
 - The longest was Dataset Overlap of about 500 000 000 rows - it took about two hours of M/R job
- New 2017 data import failing - investigating

IMPORTED EVENTS

```
=====
EI 2009      34 444 939
EI 2010      1 196 985 327
EI 2011      1 844 680 412
EI 2012      3 313 189 845
EI 2013      331 475 303
EI 2014      436 763 032
EI 2015     19 340 306 141 (was 17 798 354
656)
EI 2016     25 393 053 838 (was 20 888 617
102)
MC 2009                                0
MC 2010                                0
MC 2011                                0
MC 2012             300 000
MC 2013                                0
MC 2014                                0
MC 2015     27 750 451 103
MC 2016     393 566 600 (was 10 020 000)
```



AMI Link (thanks to Jerome)

- Direct Java AMI client available and included in EI code base
- Allows direct calls to AMI
 - No need to pass via Python script




Event Lookup

- Grigori is now managing EL access code
 - -indexer gives now the same result as -simple/-rich
- MC runNumber mismatch in HBase table fixed (Rainer)
 - HBase table updated
 - New imports correct



Web Service

➤ Prototype of new Web client



Problems or Questions ?
Ask [service manager](#) !

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Global Help

1.25.0+ [25/Apr/2017 at 15:42:24 CEST by hrivnac]
(atlas-event-index.cern.ch)

Catalog: atlas_afevind_filesets.2
COMA: atlas_afevind.coma
Journal: atlas_afevind.log
Root: /usr/afevind
WS: afevind
Manager: afevind@cern.ch

[Atlas Event Index in Hadoop](#)

News

- New AFS distribution: /afs/cern.ch/project/jps/reps/atlas-eies/TagConvertor/bin/setup.sh (16/6/2016)
- TagFiles Inspector included - serving Trigger and Dataset overlaps. (16/6/2016)
- Tabular output for Trigger and Dataset overlaps. (28/9/2016)
- Trigger statistics included. (16/11/2016)
- Trigger statistics histograms included. (1/12/2016)
- [Use Case list](#) and [Frequently Asked Questions list](#) assembled (16/1/2017).
- A prototype of [Data-Centric View](#) (10/6/2017).

[Atlas Event Index in Hadoop](#)



Prototype of Data Centric Web Service (Justin)

- Current WS (Service Oriented):
 - User first chooses a Service
 - Then applies it to Data
- New WS (Data Centric):
 - User gets a list of all available Datasets
 - And a list a relevant Actions for each Dataset (or group of Datasets)
- The list of available Datasets and relevant Actions is generated online (from Catalog)
 - It may take up to several seconds
 - It directly corresponds to the up-to-date status
- The service is functional, we are now filling it with Actions



Web Service - Data Centric View (Justin)

Search Criterion

Year :

Project :

Stream Name :

Prod Step : evgen merge recon

Global Selection



Catalog Query Search Results (Get this result via command line : `$ catalog -query 'id:EI15.1 project:data15_13TeV streamName:physics_Main prodStep:merge' -filter 'dataType runNumber version'`)

| | | | | | |
|---|--|---|--|---|---|
| <input type="button" value="Dataset Overlaps"/> | <input type="text" value="r7562_p2634_f620_m1480"/> | <input type="text" value="r7562_p2521_p7562_p2521_p"/> | <input type="text" value="f620_m1480_p2"/> | <input type="text" value="r7562_p2521_p7562_p2521_p"/> | <input type="text" value="g49_r7562_f620_m1480"/> |
| <input type="button" value="General Action"/> | <input type="button" value="General Action"/> | <input type="button" value="General Action"/> | <input type="button" value="General Action"/> | <input type="button" value="General Action"/> | <input type="button" value="General Action"/> |
| 00271595 | AMI Tag : <input type="text" value="r9264_p3083_r6923"/> | Full Catalog Info AMI Info Number of Events Event Range | MI Tag : <input type="text" value="r6943_p2410_p"/> | AMI Tag : <input type="text" value="g49_r7600_p27_r7600_p2521_p"/> | AMI Tag : <input type="text" value="g49_r7600_p27_r7600_p2521"/> |
| <input type="button" value="Dataset Overlaps"/> | <input type="button" value="General Action"/> | Variable Statistic Trigger Statistic Available Trigger New Trigger Event Index Dump | <input type="button" value="General Action"/> | <input type="button" value="General Action"/> | <input type="button" value="General Action"/> |
| 00272529 | AMI Tag : <input type="text" value="f611_m1463_r7713_p2565"/> | | MI Tag : <input type="text" value="f611_m1463_p2"/> | AMI Tag : <input type="text" value="f611_m1463_p2"/> | AMI Tag : <input type="text" value="f611_m1463_f611_m1463"/> |
| <input type="button" value="Dataset Overlaps"/> | <input type="button" value="General Action"/> | | <input type="button" value="General Action"/> | <input type="button" value="General Action"/> | <input type="button" value="General Action"/> |

All available Datasets with Actions





Web Service - Event Range

Chosen Action

CLI to get the Result

| Dataset ID | AMI Tag | General Action | AMI Tag | General Action | AMI Tag | General Action | AMI Tag | General Action | AMI Tag | General Action |
|------------|---------------------------|----------------|--------------------------------|----------------|---------------|----------------|--------------------------------|----------------|--------------------------------|----------------|
| 00271595 | r9264_p3083 r6923 | General Action | r7600_p2521_p r7600_p2521_p | General Action | r6943_p2410_p | General Action | g49_r7600_p27 r7600_p2521_p | General Action | g49_r7600_p27 r7600_p2521_p | General Action |
| 00272523 | f611_m1463 r7713_p2565 | General Action | f611_m1463_p2 | General Action | f611_m1463_p2 | General Action | f611_m1463_p2 | General Action | f611_m1463_p2 f611_m1463_p2 | General Action |

Action Run Number Result (Get this result via command line : \$ inspect -query 'id:E115.1.data15_13TeV.physics_Main.merge.DAOD_EGAM3.r7600_p2521_p2667.00271595')

```
-limit 10000  
-climit 10  
-query id:E115.1.data15_13TeV.physics_Main.merge.DAOD_EGAM3.r7600_p2521_p2667.00271595  
-action info  
-view txt
```

Result

```
0s spend  
  
>>> E115.1.data15_13TeV.physics_Main.merge.DAOD_EGAM3.r7600_p2521_p2667.00271595  
nol = 23246  
first key: 00271595-00001176872  
last key: 00271595-00399211996  
  
modified: 19:35:06.748 11/juin/2016
```




Web Service - Dataset Overlaps

Chosen Action



00271595

AMI Tag : r9264_p3083 r6923 r6943_p2410

AMI Tag : r7600_p2521_p r3680_p2521_p

AMI Tag : r6943_p2410_p

AMI Tag : g49_r7600_p27 r7600_p2521_p r7600_p2521_p

AMI Tag : g49_r7600_p27 r7600_p2521_p r6943_p2410_p

AMI Tag : r7600_p2521_p r6943_p2410_p

Dataset Overlaps

General Action

00272529

AMI Tag : f611_m1463 r7713_p2565

AMI Tag : f611_m1463_p2

AMI Tag : f611_m1463_p2

AMI Tag : f611_m1463_p2

AMI Tag : f611_m1463_p2 f611_m1463_p2

Dataset Overlaps

Action Run Number Result (Get this result via command line : `$ inspect -query 'id:DOverlap/EI15.1/00271595' -limit 0`)

| EAID | AOD | AOD | AOD | AOD | DAOD_EGAM3 | DAOD_EGAM3 | DAOD_EGAM3 | DAOD_EGAM3 |
|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------|--------------------------|------------------------|------------------------|
| EI15.1/00271595 | f611_m1463 | r6943_p2410 | r7600_p2521 | r9264_p3083 | r6943_p2410_p2411 | r6943_p2410_p2425 | r7600_p2521_p2582 | r7600_p2521_p |
| AOD f611_m1463 | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 36765 0.33%,100.00% | 36765 0.33%,100.00% | 22874 0.20%,100.00% | 23246 0.21%,100.00% |
| AOD r6943_p2410 | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 36765 0.33%,100.00% | 36765 0.33%,100.00% | 22874 0.20%,100.00% | 23246 0.21%,100.00% |
| AOD r7600_p2521 | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 36765 0.33%,100.00% | 36765 0.33%,100.00% | 22874 0.20%,100.00% | 23246 0.21%,100.00% |
| AOD r9264_p3083 | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 36765 0.33%,100.00% | 36765 0.33%,100.00% | 22874 0.20%,100.00% | 23246 0.21%,100.00% |
| DAOD_EGAM3 r6943_p2410_p2411 | 36765 100.00%,0.33% | 36765 100.00%,0.33% | 36765 100.00%,0.33% | 36765 100.00%,0.33% | 36765 100.00%,100.00% | 36765 100.00%,100.00% | 20515 55.80%,89.69% | 20353 55.36%,87.55% |



Web Service - Dataset Overlaps (Svc)

Service Centric View

00271595 AMI Tag : r9264_p3083 r6923

00272529 AMI Tag : r7600_p2521_p r7600_p2521_p

AMI Tag : r6943_p2410_p

AMI Tag : g49_r7600_p27 r7600_p2521_p

AMI Tag : g49_r7600_p27 r7600_p2521_p

AMI Tag : r7600_r6943

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Dataset Overlap Inspector

run numbers

txt table

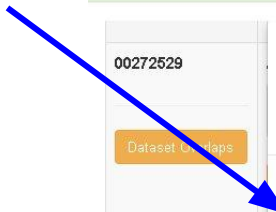
00266904 00266919 00267073 00267152 00267162 00267167 00267638 00267639 00270441 00271744 00273157 00273391 00274622 00274741 00274797 00275429 00275628 00275672 00276245 00276262 00276329 00276330 00276336 00276416 00276511 00276689 00276731 00278748 00278912 00278968 00278970 00279259 00279279 00279284 00279345 00279515 00280520 00280673 00280753 00280950 00280977 00281070 00281074 00281075 00281317 00284285 00284473 00296939 00296942 00297041 00297083 00297170 00297447 00297730 00299144 00299147 00299184 00299241 00299243 00299288 00299315 00299340 00299343 00300655 00300687 00300784 00300800 00300863 00300908 00301912 00301915 00301918 00302737 00302829 00302831 00302872 00302919 00302925 00302956 00303007 00303059 00303638 00303726 00303811 00303817 00303819 00303832 00303846 00303892 00303943 00304494 00305291 00305293 00305359 00305380 00305543 00305571 00305618 00305671 00306384 00306419 00306442 00306448 00306451 00306556 00306655 00306657 00307124 00307601 00307619 00307656 00307710 00307716 00307732 00307861 00307935 00308047 00308110 00308118 00308120 00308122 00308124 00308126 00308128 00308130 00308132 00308134 00308136 00308138 00308140 00308142 00308144 00308146 00308148 00308150 00308152 00308154 00308156 00308158 00308160 00308162 00308164 00308166 00308168 00308170 00308172 00308174 00308176 00308178 00308180 00308182 00308184 00308186 00308188 00308190 00308192 00308194 00308196 00308198 00308200 00308202 00308204 00308206 00308208 00308210 00308212 00308214 00308216 00308218 00308220 00308222 00308224 00308226 00308228 00308230 00308232 00308234 00308236 00308238 00308240 00308242 00308244 00308246 00308248 00308250 00308252 00308254 00308256 00308258 00308260 00308262 00308264 00308266 00308268 00308270 00308272 00308274 00308276 00308278 00308280 00308282 00308284 00308286 00308288 00308290 00308292 00308294 00308296 00308298 00308300 00308302 00308304 00308306 00308308 00308310 00308312 00308314 00308316 00308318 00308320 00308322 00308324 00308326 00308328 00308330 00308332 00308334 00308336 00308338 00308340 00308342 00308344 00308346 00308348 00308350 00308352 00308354 00308356 00308358 00308360 00308362 00308364 00308366 00308368 00308370 00308372 00308374 00308376 00308378 00308380 00308382 00308384 00308386 00308388 00308390 00308392 00308394 00308396 00308398 00308400 00308402 00308404 00308406 00308408 00308410 00308412 00308414 00308416 00308418 00308420 00308422 00308424 00308426 00308428 00308430 00308432 00308434 00308436 00308438 00308440 00308442 00308444 00308446 00308448 00308450 00308452 00308454 00308456 00308458 00308460 00308462 00308464 00308466 00308468 00308470 00308472 00308474 00308476 00308478 00308480 00308482 00308484 00308486 00308488 00308490 00308492 00308494 00308496 00308498 00308500 00308502 00308504 00308506 00308508 00308510 00308512 00308514 00308516 00308518 00308520 00308522 00308524 00308526 00308528 00308530 00308532 00308534 00308536 00308538 00308540 00308542 00308544 00308546 00308548 00308550 00308552 00308554 00308556 00308558 00308560 00308562 00308564 00308566 00308568 00308570 00308572 00308574 00308576 00308578 00308580 00308582 00308584 00308586 00308588 00308590 00308592 00308594 00308596 00308598 00308600 00308602 00308604 00308606 00308608 00308610 00308612 00308614 00308616 00308618 00308620 00308622 00308624 00308626 00308628 00308630 00308632 00308634 00308636 00308638 00308640 00308642 00308644 00308646 00308648 00308650 00308652 00308654 00308656 00308658 00308660 00308662 00308664 00308666 00308668 00308670 00308672 00308674 00308676 00308678 00308680 00308682 00308684 00308686 00308688 00308690 00308692 00308694 00308696 00308698 00308700 00308702 00308704 00308706 00308708 00308710 00308712 00308714 00308716 00308718 00308720 00308722 00308724 00308726 00308728 00308730 00308732 00308734 00308736 00308738 00308740 00308742 00308744 00308746 00308748 00308750 00308752 00308754 00308756 00308758 00308760 00308762 00308764 00308766 00308768 00308770 00308772 00308774 00308776 00308778 00308780 00308782 00308784 00308786 00308788 00308790 00308792 00308794 00308796 00308798 00308800 00308802 00308804 00308806 00308808 00308810 00308812 00308814 00308816 00308818 00308820 00308822 00308824 00308826 00308828 00308830 00308832 00308834 00308836 00308838 00308840 00308842 00308844 00308846 00308848 00308850 00308852 00308854 00308856 00308858 00308860 00308862 00308864 00308866 00308868 00308870 00308872 00308874 00308876 00308878 00308880 00308882 00308884 00308886 00308888 00308890 00308892 00308894 00308896 00308898 00308900 00308902 00308904 00308906 00308908 00308910 00308912 00308914 00308916 00308918 00308920 00308922 00308924 00308926 00308928 00308930 00308932 00308934 00308936 00308938 00308940 00308942 00308944 00308946 00308948 00308950 00308952 00308954 00308956 00308958 00308960 00308962 00308964 00308966 00308968 00308970 00308972 00308974 00308976 00308978 00308980 00308982 00308984 00308986 00308988 00308990 00308992 00308994 00308996 00308998 00309000 00309002 00309004 00309006 00309008 00309010 00309012 00309014 00309016 00309018 00309020 00309022 00309024 00309026 00309028 00309030 00309032 00309034 00309036 00309038 00309040 00309042 00309044 00309046 00309048 00309050 00309052 00309054 00309056 00309058 00309060 00309062 00309064 00309066 00309068 00309070 00309072 00309074 00309076 00309078 00309080 00309082 00309084 00309086 00309088 00309090 00309092 00309094 00309096 00309098 00309100 00309102 00309104 00309106 00309108 00309110 00309112 00309114 00309116 00309118 00309120 00309122 00309124 00309126 00309128 00309130 00309132 00309134 00309136 00309138 00309140 00309142 00309144 00309146 00309148 00309150 00309152 00309154 00309156 00309158 00309160 00309162 00309164 00309166 00309168 00309170 00309172 00309174 00309176 00309178 00309180 00309182 00309184 00309186 00309188 00309190 00309192 00309194 00309196 00309198 00309200 00309202 00309204 00309206 00309208 00309210 00309212 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00309436 00309438 00309440 00309442 00309444 00309446 00309448 00309450 00309452 00309454 00309456 00309458 00309460 00309462 00309464 00309466 00309468 00309470 00309472 00309474 00309476 00309478 00309480 00309482 00309484 00309486 00309488 00309490 00309492 00309494 00309496 00309498 00309500 00309502 00309504 00309506 00309508 00309510 00309512 00309514 00309516 00309518 00309520 00309522 00309524 00309526 00309528 00309530 00309532 00309534 00309536 00309538 00309540 00309542 00309544 00309546 00309548 00309550 00309552 00309554 00309556 00309558 00309560 00309562 00309564 00309566 00309568 00309570 00309572 00309574 00309576 00309578 00309580 00309582 00309584 00309586 00309588 00309590 00309592 00309594 00309596 00309598 00309600 00309602 00309604 00309606 00309608 00309610 00309612 00309614 00309616 00309618 00309620 00309622 00309624 00309626 00309628 00309630 00309632 00309634 00309636 00309638 00309640 00309642 00309644 00309646 00309648 00309650 00309652 00309654 00309656 00309658 00309660 00309662 00309664 00309666 00309668 00309670 00309672 00309674 00309676 00309678 00309680 00309682 00309684 00309686 00309688 00309690 00309692 00309694 00309696 00309698 00309700 00309702 00309704 00309706 00309708 00309710 00309712 00309714 00309716 00309718 00309720 00309722 00309724 00309726 00309728 00309730 00309732 00309734 00309736 00309738 00309740 00309742 00309744 00309746 00309748 00309750 00309752 00309754 00309756 00309758 00309760 00309762 00309764 00309766 00309768 00309770 00309772 00309774 00309776 00309778 00309780 00309782 00309784 00309786 00309788 00309790 00309792 00309794 00309796 00309798 00309800 00309802 00309804 00309806 00309808 00309810 00309812 00309814 00309816 00309818 00309820 00309822 00309824 00309826 00309828 00309830 00309832 00309834 00309836 00309838 00309840 00309842 00309844 00309846 00309848 00309850 00309852 00309854 00309856 00309858 00309860 00309862 00309864 00309866 00309868 00309870 00309872 00309874 00309876 00309878 00309880 00309882 00309884 00309886 00309888 00309890 00309892 00309894 00309896 00309898 00309900 00309902 00309904 00309906 00309908 00309910 00309912 00309914 00309916 00309918 00309920 00309922 00309924 00309926 00309928 00309930 00309932 00309934 00309936 00309938 00309940 00309942 00309944 00309946 00309948 00309950 00309952 00309954 00309956 00309958 00309960 00309962 00309964 00309966 00309968 00309970 00309972 00309974 00309976 00309978 00309980 00309982 00309984 00309986 00309988 00309990 00309992 00309994 00309996 00309998 00310000

| | | | | | | | | |
|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------|--------------------------|------------------------|------------------------|
| AOD r9264_p3083 | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 11252467 100.00%,100.00% | 36765 0.33%,100.00% | 36765 0.33%,100.00% | 22874 0.20%,100.00% | 23246 0.21%,100.00% |
| DAOD_ECAM3 r6943_p2410_p2411 | 36765 100.00%,0.33% | 36765 100.00%,0.33% | 36765 100.00%,0.33% | 36765 100.00%,0.33% | 36765 100.00%,100.00% | 36765 100.00%,100.00% | 20515 55.80%,89.69% | 20353 55.36%,87.55% |



Web Service - Trigger Statistics

Chosen Action

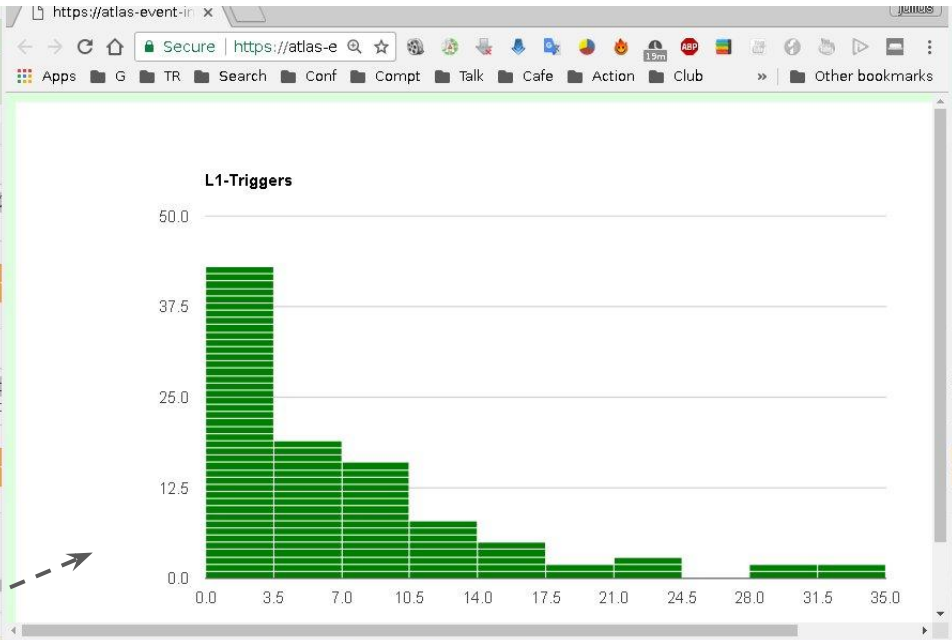


Catalog Query Search Results (Get this result via command version')

| | | |
|----------|---|---|
| 00272529 | Full Catalog Info AMI Info Number of Events Event Range | AMI Tag : f811_m1463_p... |
| 00270806 | Variable-Statistic Trigger Statistic Available-Trigger New-Trigger Event-Index-Dump | AMI Tag : 8943_p2410_p... 7600_p2521_p... |
| 00272533 | AMI Tag : f811_m1463 | |

Dataset Overlaps

General Action



Action Run Number Result (Get this result via command line : \$ inspect -query 'id:TStat/EI15.1/data15_13TeV.physics_Main.merge.AOD.r9264_p3083.00271595 -action null -limit 0 -climit 10')

| Trigger Name | Count (%) | Trigger Name | Count (%) |
|-----------------|------------------|--------------------------|------------------|
| L1_TAU30 | 3712064 (32,99%) | HLT_xe70_pueta | 1142723 (10,18%) |
| L1_EM18VH | 3615081 (32,13%) | HLT_lumipeb_L1RD0_FILLED | 1126265 (10,01%) |
| L1_TAU20_2TAU12 | 3495344 (31,06%) | HLT_xe70_pueta_wEFMu | 1123730 (9,99%) |



Web Service - Trigger Statistics (Svc)

Service Centric View

Catalog Query Search Results (Get this result via command version')

Full Catalog Info

00272529

Dataset Overlaps

00270806

Problems or Questions ?
Ask [service manager](#) !

Dataset Overlaps

00272533

Action Run Number F

PNG histogram

Event Index

- [Global Help](#)
- [FAQ, Use Cases, Home](#)
- [Data-Centric View \(prototype\)](#)
- [Catalog](#)
- [Event Index \(Expert Mode\)](#)
- [Event Lookup](#)
- [Trigger Info](#)
- [TagFile Inspector](#)
 - [Dataset Overlaps](#)
 - [Trigger Overlaps](#)
 - [Trigger Statistics](#)
- [System Journal \(for admins\)](#)
- [External Services](#)
 - [AMI](#)

Trigger Statistics Inspector

datasets

txt table

[data10_7TeV.x.physics_ZeroBias.merge.AOD.x](#)
[data11_7TeV.x.physics_ZeroBias.merge.AOD.x](#)
[data12_8TeV.x.physics_ZeroBias.merge.AOD.x](#)
[data15_13TeV.00266904.physics_Main.merge.AOD.r9264_p3083](#)
[data15_13TeV.00266919.physics_Main.merge.AOD.r9264_p3083](#)
[data15_13TeV.00267073.physics_Main.merge.AOD.r9264_p3083](#)
[data15_13TeV.00267152.physics_Main.merge.AOD.r9264_p3083](#)
[data15_13TeV.00267162.physics_Main.merge.AOD.r9264_p3083](#)
[data15_13TeV.00267167.physics_Main.merge.AOD.r9264_p3083](#)
[data15_13TeV.00267358.physics_MinBias.merge.AOD.r9264_p3083](#)
[data15_13TeV.00267358.physics_MinBias.merge.AOD.r9545_p3083](#)
[data15_13TeV.00267359.physics_MinBias.merge.AOD.r9264_p3083](#)
[data15_13TeV.00267359.physics_MinBias.merge.AOD.r9545_p3083](#)
[data15_13TeV.00267360.physics_MinBias.merge.AOD.r9545_p3083](#)

| | | | |
|--|------------------|--|------------------|
| data15_13TeV.00271595.physics_Main.merge.AOD.r9264_p3083 | evt=1.1252467E7 | data15_13TeV.00271595.physics_Main.merge.AOD.r9264_p3083 | evt=1.1252467E7 |
| L1_TAU30 | 3712064 (32,98%) | HLT_xe70_pueta | 1142723 (10,16%) |
| L1_EM18VH | 3615081 (32,13%) | HLT_lumipeb_L1RD0_FILLED | 1126265 (10,01%) |
| L1_TAU20_2TAU12 | 3495344 (31,06%) | HLT_xe70_pueta_wEFMu | 1123730 (9,99%) |



Web Service

- WS content is generated on-the-fly from the EI data (Catalog)
 - Nothing is hard-coded
 - There is no manual intervention to show, for example, more important datasets first
 - Sometimes, unavailable action is advertized
- Only subset of available actions is shown
 - Only per-run and per dataset actions are shown, there are also actions covering a set of Datasets (TagSets) - e.g. Trigger Statistics per year
- Future:
 - Show all available actions
 - Show actions with user input
 - Make it graphically (even) nicer
- Further (all that is already available via CLI):
 - Allow creation of virtual Datasets (TagSets)
 - Allow annotation of Datasets



FAQ - Current Status

Access

- [How to setup command line environment for Event Index ?](#)
- [Where is Event Index Web Service ?](#)
- [Where is Event Index Documentation ?](#)

Datasets

- [How to find whether a datasets is available and what are their properties ?](#)
- [How to find which datasets have been recently imported ?](#)
- [How to search for specific datasets ?](#)
- [How to count number of datasets with some characteristics ?](#)
- [Is there a Web Service for datasets exploration ?](#)
- [How to get event overlaps between datasets ?](#)
- [How to find if a dataset has duplicated events ?](#)
- [How to get a statistic of a variable \(and which variables are available\) ?](#)
- [Which variables can be accessed ?](#)

Events

- [How to perform detailed event-level search ?](#)
- [How to get GUIDs for specific events ?](#)
- [How to get GUIDs for specific events using just CURL in CERN ?](#)
- [How to get GUIDs for specific events using just CURL on any SLC machine ?](#)

Triggers

- [How to get Trigger Overlaps for a dataset ?](#)
- [How to get Trigger Statistics for a dataset ?](#)
- [How to check triggers ?](#)
- [How to create Trigger different Overlap or Statistics tables ?](#)

Misc

- [How to execute a command which takes a long time ?](#)
- [How to get big results ?](#)
- [How to use Web Service to execute commands ?](#)



Plans

- Fix 2017 import
- Universal Portable CLI
 - Will run everywhere, even on iPhone
- Trigger statistics for all data
- Connection between Trigger and Event Lookup
 - Would it be useful ?
- Event Lookup Consolidation (done: Grigorij)
- Data compression / New format (Zbysek ?)
- Finish implementation of *TagSets* (= sets of *TagFiles*) to handle Physics Containers
 - In the system since the beginning, needs re-animation
- Commands with Shibboleth protection on any Linux
- More data-oriented Web Service (prototype: Justin)
- Code & Doc & Test-suit cleaning
 - A lot of dead wood
- Direct connection to AMI (done)



Info

Web Service: <https://atlas-event-index.cern.ch/ElHadoop>

Documentation & Distribution: <https://atlas-event-index.cern.ch/doc>

Frequently Asked Questions: <https://atlas-event-index.cern.ch/doc/faq>

Sources: svn+ssh://svn.cern.ch/repos/atlasoff/Database/TAGHadoop/TagConvertor

AFS: /afs/cern.ch/project/jps/repos/atlas-eies/TagConvertor

CVMFS: \$ lsetup eiclient

EOS: /eos/atlas/atlascerngroupdisk/proj-evind/Results