





# Credits

<https://treeherder.mozilla.org/#/jobs?repo=mozilla-central&filter-searchStr=ccov>

Sat Jun 3, 11:34:09 - ffxblid

- Complete -  



98f1390029f9  No bug, Automated HPKP preload list update from  
11baf0292264  No bug, Automated HSTS preload list update from



Linux x64 CCov opt

```
tc[tier 2]( B Cpp GTest Jit1 Jit2 Jit3 Jit4 Jit5 Jit6 Mn ) tc-Fxfn-l(
en-US ) tc-Fxfn-l-e10s( en-US ) tc-Fxfn-r[tier 2]( en-US )
tc-Fxfn-r-e10s[tier 2]( en-US ) tc-M[tier 2]( 1 2 3 4 5 6 7 8 9 10 JP
a11y bc1 bc2 bc3 bc4 bc5 bc6 bc7 c1 c2 c3 cl dt1 dt2 dt3 dt4
dt5★ dt6 dt7 dt8 dt9 dt10 gl1 gl2 gl3 mda1 mda2 mda3 )
tc-M-e10s[tier 2]( 1 2 3 4 5 6 7 8 9 10 bc1 bc2 bc3 bc4 bc5 bc6
bc7 cl dt1 dt2 dt3 dt4 dt5 dt6 dt7 dt8 dt9 dt10 gl1 gl2 gl3 gpu
mda1 mda2 mda3 ) tc-R[tier 2]( C J1 J2 J3 R1 R2 R3 R4 R5 R6
R7 R8 Ru1 Ru2 Ru3 Ru4 Ru5 Ru6 Ru7 Ru8 ) tc-R-e10s[tier 2]( C
J1 J2 J3 R1 R2 R3 R4 R5 R6 R7 R8 Ru1 Ru2 Ru3 Ru4 Ru5 Ru6
Ru7 Ru8 ) tc-W[tier 2]( wpt1 wpt2 wpt3 wpt4 wpt5 wpt6 wpt7
wpt8 wpt9 wpt10 wpt11 wpt12 ) tc-W-e10s[tier 2]( wpt1 wpt2
wpt3 wpt4 wpt5 wpt6 wpt7 wpt8 wpt9 wpt10 wpt11 wpt12 )
tc-X[tier 2]( X1 X2 X3 X4 X5 X6 X7 X8 ) tc-e10s[tier 2]( Mn )
```

# CodeCoverage!

Sat Jun 3, 11:34:09 - ffxbld

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bc7 cl dt1 dt2 dt3 dt4 dt5 dt6 dt7 dt8 dt9 dt10 gl1 gl2 gl3 gpu
mda1 mda2 mda3 ) tc-R[tier 2]( C J1 J2 J3 R1 R2 R3 R4 R5 R6
R7 R8 Ru1 Ru2 Ru3 Ru4 Ru5 Ru6 Ru7 Ru8 ) tc-R-e10s[tier 2]( C
J1 J2 J3 R1 R2 R3 R4 R5 R6 R7 R8 Ru1 Ru2 Ru3 Ru4 Ru5 Ru6
Ru7 Ru8 ) tc-W[tier 2]( wpt1 wpt2 wpt3 wpt4 wpt5 wpt6 wpt7
wpt8 wpt9 wpt10 wpt11 wpt12 ) tc-W-e10s[tier 2]( wpt1 wpt2
wpt3 wpt4 wpt5 wpt6 wpt7 wpt8 wpt9 wpt10 wpt11 wpt12 )
tc-X[tier 2]( X1 X2 X3 X4 X5 X6 X7 X8 ) tc-e10s[tier 2]( Mn )
```

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# CodeCoverage!

- **cppunit**
- gtest
- jittest
- Marionette (e10s)
- firefox UI functional (e10s)
- Mochitest (e10s)
  - jetpack
  - a11y
  - browser chrome
  - chrome
  - devtools chrome
  - webgl
  - media
- reftest (e10s)
  - crashtest
  - jsreftest
  - no acceleration
- web platform (e10s)
- xpcshell

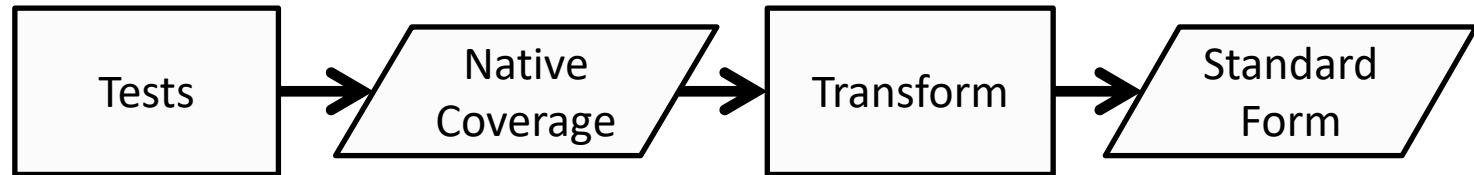
Sat Ju  
98f13  
11baf

- Complete - ✈ ▼

```
01 Linux x64 CCov opt tc[tier 2]( E Cpp GTest Jit1 Jit2 Jit3 Jit4 Jit5 Jit6 Mn ) tc-Fxfr-l(
02 en-US ) tc-Fxfr-l-e10s( en-US ) tc-Fxfr-r[tier 2]( en-US )
tc-Fxfr-r-e10s[tier 2]( en-US ) tc-M[tier 2]( 1 2 3 4 5 6 7 8 9 10 JP
a11y bc1 bc2 bc3 bc4 bc5 bc6 bc7 c1 c2 c3 cl dt1 dt2 dt3 dt4
dt5★ dt6 dt7 dt8 dt9 dt10 gl1 gl2 gl3 mda1 mda2 mda3 )
tc-M-e10s[tier 2]( 1 2 3 4 5 6 7 8 9 10 bc1 bc2 bc3 bc4 bc5 bc6
bc7 cl dt1 dt2 dt3 dt4 dt5 dt6 dt7 dt8 dt9 dt10 gl1 gl2 gl3 gpu
mda1 mda2 mda3 ) tc-R[tier 2]( C J1 J2 J3 R1 R2 R3 R4 R5 R6
R7 R8 Ru1 Ru2 Ru3 Ru4 Ru5 Ru6 Ru7 Ru8 ) tc-R-e10s[tier 2]( C
J1 J2 J3 R1 R2 R3 R4 R5 R6 R7 R8 Ru1 Ru2 Ru3 Ru4 Ru5 Ru6
Ru7 Ru8 ) tc-W[tier 2]( wpt1 wpt2 wpt3 wpt4 wpt5 wpt6 wpt7
wpt8 wpt9 wpt10 wpt11 wpt12 ) tc-W-e10s[tier 2]( wpt1 wpt2
wpt3 wpt4 wpt5 wpt6 wpt7 wpt8 wpt9 wpt10 wpt11 wpt12 )
tc-X[tier 2]( X1 X2 X3 X4 X5 X6 X7 X8 ) tc-e10s[tier 2]( Mn )
```

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# Abstract Coverage ETL Pipeline

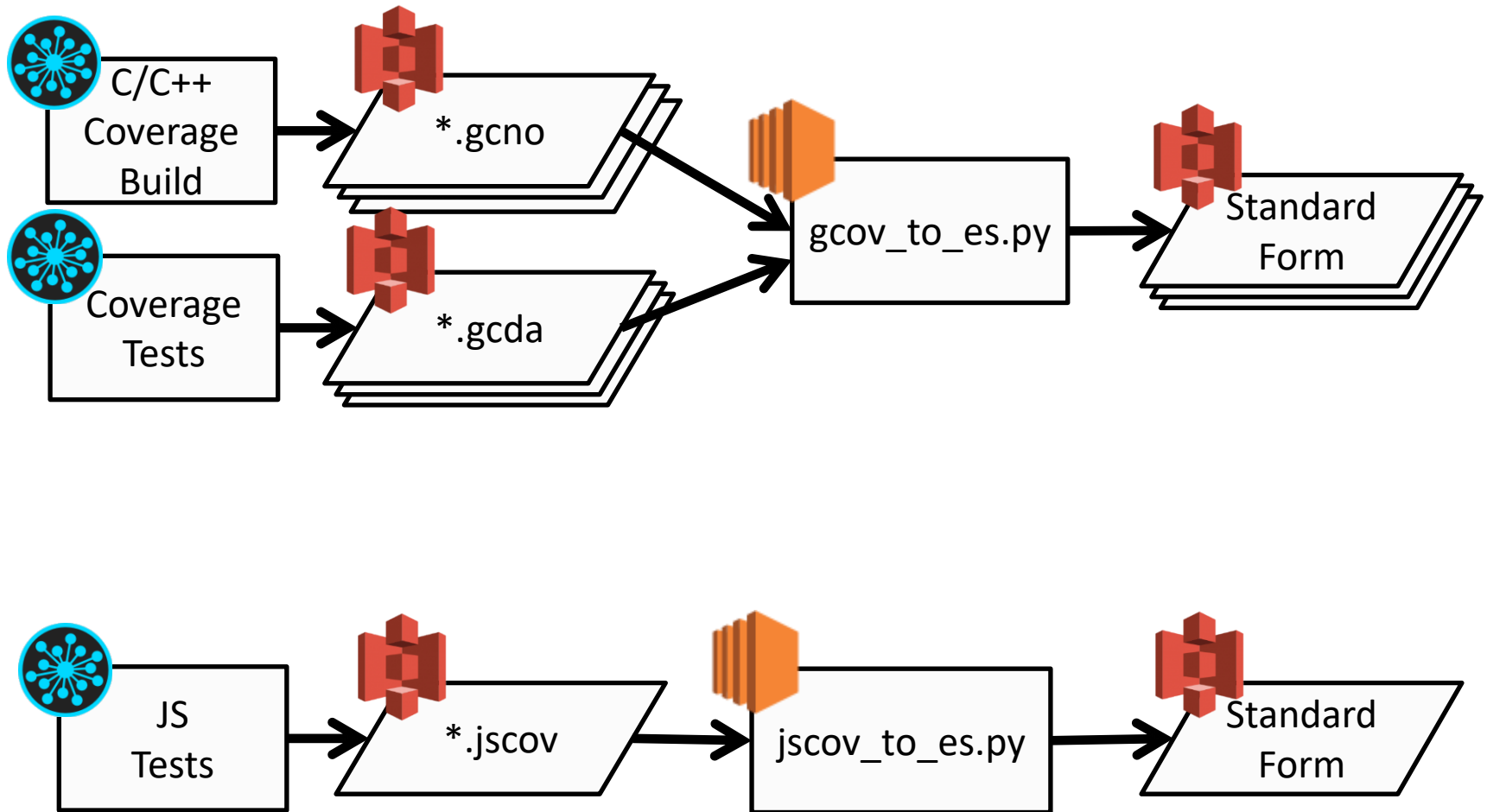


## Abstract Code Coverage Frontend

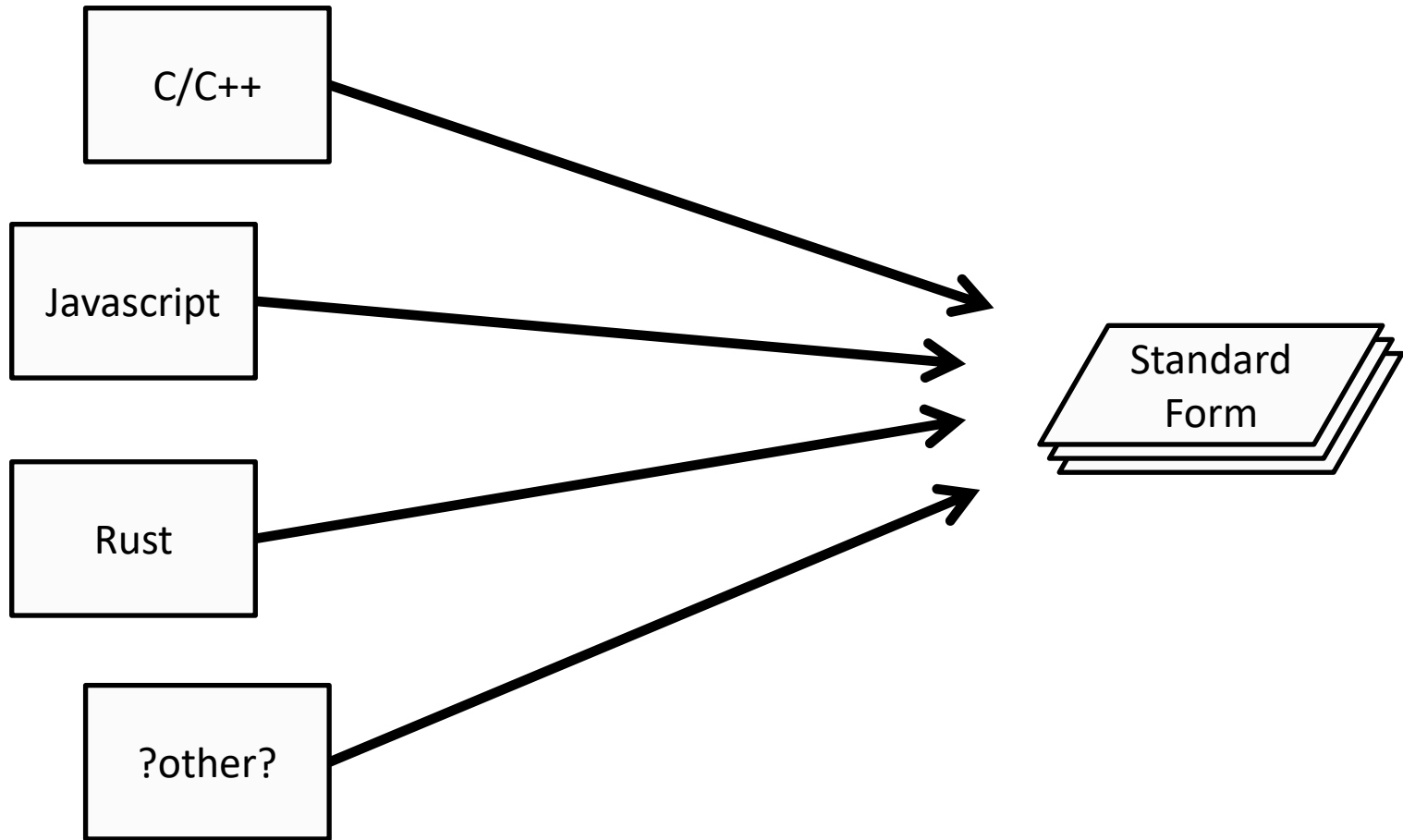




# Example Coverage ETL Pipeline



# Code Coverage ETL Overview



# Minimal Standard Form

```
{
  "test":{
    "url":"chrome://mochitests/content/browser/toolkit/components/perfmonitoring/tests/brows
    "name":"browser_AddonWatcher.js"
  },
  "source":{
    "method":{
      "name":"addObserver",
      "covered":[...],
      "uncovered":[...],
      "total_covered":0,
      "total_uncovered":6,
      "percentage_covered":0,
    },
    "file":{
      "name":"chrome://mochikit/content/tests/SimpleTest/specialpowersAPI.js",
      "covered":[...]
      "uncovered":[...],
      "total_covered":25,
      "total_uncovered":1291,
      "percentage_covered":0.018996960486322188,
    }
  }
}
```

# Minimal Standard Form

```
{
  "test":{
    "url":"chrome://mochitests/content/browser/toolkit/components/perfmonitoring/tests/brows
    "name":"browser_AddonWatcher.js"
  },
  "source":{
    "method":{
      "name":"addObserver",
      "covered":[],
      "uncovered":[...],
      "total_covered":0,
      "total_uncovered":6,
      "percentage_covered":0,
    },
    "file":{
      "name":"chrome://mochikit/content/tests/SimpleTest/specialpowersAPI.js",
      "covered":[...]
      "uncovered":[...],
      "total_covered":25,
      "total_uncovered":1291,
      "percentage_covered":0.018996960486322188,
    }
  }
}
```

Test Metadata

# Minimal Standard Form

```
{
  "test":{
    "url":"chrome://mochitests/content/browser/toolkit/components/perfmonitoring/tests/brows
    "name":"browser_AddonWatcher.js"
  },
  "source":{
    "method":{
      "name":"addObserver",
      "covered":[],
      "uncovered":[...],
      "total_covered":0,
      "total_uncovered":6,
      "percentage_covered":0,
    },
    "file":{
      "name":"chrome://mochikit/content/tests/SimpleTest/specialpowersAPI.js",
      "covered":[...]
      "uncovered":[...],
      "total_covered":25,
      "total_uncovered":1291,
      "percentage_covered":0.018996960486322188,
    }
  }
}
```

Method-level  
coverage (optional)

# Minimal Standard Form

```
{
  "test":{
    "url":"chrome://mochitests/content/browser/toolkit/components/perfmonitoring/tests/brows
    "name":"browser_AddonWatcher.js"
  },
  "source":{
    "method":{
      "name":"addObserver",
      "covered":[],
      "uncovered":[...],
      "total_covered":0,
      "total_uncovered":6,
      "percentage_covered":0,
    },
    "file":{
      "name":"chrome://mochikit/content/tests/SimpleTest/specialpowersAPI.js",
      "covered":[...]
      "uncovered":[...]
      "total_covered":25,
      "total_uncovered":1291,
      "percentage_covered":0.018996960486322188,
    }
  }
}
```



The diagram illustrates the structure of a JSON object representing test results. A red circle highlights the 'file' object within the 'source' object, which contains file-level coverage data. A red rectangle highlights the text 'File-level coverage (required)', with an arrow pointing to the 'file' object. The 'file' object contains the following fields: 'name' (the file path), 'covered' (an array of covered lines), 'uncovered' (an array of uncovered lines), 'total\_covered' (the total number of covered lines), 'total\_uncovered' (the total number of uncovered lines), and 'percentage\_covered' (the percentage of lines covered).

