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My notes on the CMSSW message logger

Making a certain module print debug level information:

e.g. the Module 'CaloSim' (is the same string as used in LogDebug(...) statements):

```
process.MessageLogger.debugModules.append("CaloSim")
process.MessageLogger.cerr.threshold = 'DEBUG'
```

seems to work.

If one gets the following error message:

python encountered the error:

the following should do the trick:

```
process.MessageLogger.debugModules = cms.untracked.vstring("CaloSim")
process.MessageLogger.cerr.threshold = 'DEBUG'
```

See also [Why are my LogDebug Messages Not Being Reported?](#)

Example configuration

obtained from a dump:

```
cms.Service("MessageLogger",
  suppressInfo = cms.untracked.vstring(),
  debugs = cms.untracked.PSet(
    placeholder = cms.untracked.bool(True)
  ),
  suppressDebug = cms.untracked.vstring(),
  cout = cms.untracked.PSet(
    placeholder = cms.untracked.bool(True)
  ),
  cerr_stats = cms.untracked.PSet(
    threshold = cms.untracked.string('WARNING'),
    output = cms.untracked.string('cerr'),
    optionalPSet = cms.untracked.bool(True)
  ),
  warnings = cms.untracked.PSet(
    placeholder = cms.untracked.bool(True)
  ),
  default = cms.untracked.PSet(
  ),
  statistics = cms.untracked.vstring('cerr_stats'),
  cerr = cms.untracked.PSet(
    INFO = cms.untracked.PSet(
      limit = cms.untracked.int32(0)
    ),
    noTimeStamps = cms.untracked.bool(False),
    FwkReport = cms.untracked.PSet(
      reportEvery = cms.untracked.int32(1),
      optionalPSet = cms.untracked.bool(True),
      limit = cms.untracked.int32(10000000)
    ),
    default = cms.untracked.PSet(
```

```

        limit = cms.untracked.int32(10000000)
    ),
    Root_NoDictionary = cms.untracked.PSet(
        optionalPSet = cms.untracked.bool(True),
        limit = cms.untracked.int32(0)
    ),
    threshold = cms.untracked.string('DEBUG'),
    FwkJob = cms.untracked.PSet(
        optionalPSet = cms.untracked.bool(True),
        limit = cms.untracked.int32(0)
    ),
    FwkSummary = cms.untracked.PSet(
        reportEvery = cms.untracked.int32(1),
        optionalPSet = cms.untracked.bool(True),
        limit = cms.untracked.int32(10000000)
    ),
    optionalPSet = cms.untracked.bool(True)
),
FrameworkJobReport = cms.untracked.PSet(
    default = cms.untracked.PSet(
        limit = cms.untracked.int32(0)
    ),
    optionalPSet = cms.untracked.bool(True),
    FwkJob = cms.untracked.PSet(
        optionalPSet = cms.untracked.bool(True),
        limit = cms.untracked.int32(10000000)
    )
),
suppressWarning = cms.untracked.vstring(),
errors = cms.untracked.PSet(
    placeholder = cms.untracked.bool(True)
),
destinations = cms.untracked.vstring('warnings',
    'errors',
    'infos',
    'debugs',
    'cout',
    'cerr'),
debugModules = cms.untracked.vstring('CaloSim'),
infos = cms.untracked.PSet(
    optionalPSet = cms.untracked.bool(True),
    Root_NoDictionary = cms.untracked.PSet(
        optionalPSet = cms.untracked.bool(True),
        limit = cms.untracked.int32(0)
    ),
    placeholder = cms.untracked.bool(True)
),
categories = cms.untracked.vstring('FwkJob',
    'FwkReport',
    'FwkSummary',
    'Root_NoDictionary'),
fwkJobReports = cms.untracked.vstring('FrameworkJobReport')
)

```

Links

- [LPC MessageLogger FAQ](#) (mostly for pre-python config files)
- [FWCore/MessageLogger](#) (in the CMS SW CVS browser)

-- AndreHolzner - 24-Feb-2010

This topic: [Main](#) > [AndreHolzner MessageLogger](#)
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Example configuration



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