

SWGGuideMessageLoggerThreshold < CMSPublic < TWiki

```

import FWCore.ParameterSet.Config as cms
process.load("FWCore.MessageLogger.MessageLogger_cfi")
process.MessageLogger = cms.Service("MessageLogger",
    destinations = cms.untracked.vstring(
        'detailedInfo'
        , 'critical'
        , 'jobdebug'
        , 'anotherfile'
        , 'cerr'
    ),
    categories = cms.untracked.vstring(
        'unimportant'
        , 'trkwarning'
        , 'serious_matter'
    ),
    critical = cms.untracked.PSet(
        threshold = cms.untracked.string('ERROR'),
        default = cms.untracked.PSet(
            limit = cms.untracked.int32(10),
            timespan = cms.untracked.int32(180)
        ),
        serious_matter = cms.untracked.PSet(
            limit=cms.untracked.int32(100000)
        )
    ),
    detailedInfo = cms.untracked.PSet(
        threshold = cms.untracked.string('INFO'),
        default = cms.untracked.PSet(
            limit = cms.untracked.int32(10),
            timespan = cms.untracked.int32(60)
        ),
        WARNING = cms.untracked.PSet(
            limit = cms.untracked.int32(100),
            timespan = cms.untracked.int32(60)
        ),
        ERROR = cms.untracked.PSet(
            limit = cms.untracked.int32(100),
            timespan = cms.untracked.int32(60)
        ),
        trkwarning = cms.untracked.PSet(
            limit = cms.untracked.int32(20),
            timespan = cms.untracked.int32(1200)
        ),
        unimportant = cms.untracked.PSet(
            limit = cms.untracked.int32(5)
        ),
        serious_matter = cms.untracked.PSet(
            limit = cms.untracked.int32(1000000)
        )
    ),
    cerr = cms.untracked.PSet(
        threshold = cms.untracked.string('WARNING')
    ),
    jobdebug> = cms.untracked.PSet(
        default = cms.untracked.PSet(
            limit = cms.untracked.int32(1000000)
        )
    ),
    anotherfile = cms.untracked.PSet(
        serious_matter = cms.untracked.PSet(
            limit = cms.untracked.int32(1000)
        )
    ),
    default = cms.untracked.PSet(
        limit = cms.untracked.int32(10),
        timespan = cms.untracked.int32(60)
    )
)

```

)

```
process.maxEvents = cms.untracked.PSet(input = cms.untracked.int32(10))
process.myAnalysisModule = cms.EDAnalyzer('ModuleThatIssuesMessages')
process.p = cms.Path(process.myAnalysisModule)
```

The **string threshold = "ERROR"** (or "INFO" or "WARNING") parameter in the PSets configuring critical.txt, detailedInfo.txt, and cerr respectively, tells the destination to ignore all messages with severity below **ERROR** (or INFO or WARNING). Thus the destination writing critical.txt will ignore all messages issued using [LogDebug](#),

[LogInfo](#), and [LogWarning](#).

This parameter is optional; if it is not present, the destination will not filter out messages by their severity. We do not illustrate setting the threshold to DEBUG, because there is no lower severity; thus *string threshold = "DEBUG"* would be equivalent to omitting that parameter.

-- SudhirMalik - 30-Aug-2011

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