

Chapter 2

Parameters:

2.3 `emon::CannotInitialize` Class Reference

[BadAddress](#) Exception thrown by [SamplingAddress](#) class.

Public Member Functions

- [CannotInitialize](#) ()

2.4 `emon::EventIterator` Class Reference

An iterator object, that can be used to retrieve events.

Public Member Functions

- `EventIterator` (`EventManager_impl mon`)
Constructor.
- `int[] nextEvent ()` throws `SamplerStopped`, `NoMoreEvents`
Retrieve next event (synchronously).
- `int[] nextEvent (long timeout)` throws `SamplerStopped`, `NoMoreEvents`
Retrieve next event (synchronously).
- `int[] tryNextEvent ()` throws `SamplerStopped`, `NoMoreEvents`
Retrieve next event (asynchronously).
- `int getAvailableEvents ()`
Return the number of events currently in the buffer, ready to be requested.
- `void finalize ()`
finalize this object and disconnect from the event monitoring system

2.4.1 Detailed Description

An iterator object, that can be used to retrieve events.

An object of this type is returned by the `select` method in the `EventManager`

2.5 `emon::EventManager` Class Reference

`EventManager` class to be used by the user.

Static Public Membe

2.6 `emon::NoMoreEvents` Class ReferenceException being thrown by the NextEv

- [NoMoreEvents](#) ()
empty constructor

2.6.1 Detailed Description

Exception being thrown by the NextEvent method.

2.6.2 Constructor & Destructor Documentation

2.6.2.1 `emon::NoMoreEvents::NoMoreEvents()` [inline]

empty constructor

The documentation for this class was generated from the following file:

- NoMoreEvents.java

2.7 `emon::NoResources` Class Reference

`NoResources` Exception thrown by `SamplingAddress` class.

Public Member Functions

- `NoResources` ()

2.8 `emon::SamplerStopped` Class Reference

Exception being thrown by the `NextEvent` method.

2.9 emon::SamplingAddress Class Reference

Public Member Functions

- [SamplingAddress\(\)](#)
public empty constructor
- void [addComponent\(String key, String value\)](#)
add another component consisting of a key and a value to this sampling address
- String [toString\(\)](#)
get a string representation of this sampling address

Package Functions

- EventMonitoring.AddressComponent [getSamplingAddress\(\)](#)
internal function to return CORBA [SamplingAddress](#) for ipc

2.9.1 Detailed Description

[SamplingAddress](#) object to be used by the user, a wrapper class for the internal sampling address

Author:
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Version:
23/03/2005

2.9.2 Constructor & Destructor Documentation

2.9.2.1 emon::SamplingAddress::SamplingAddress () [inline]

public empty constructor

2.9.3 Member Function Documentation

2.9.3.1 void emon::SamplingAddress::addComponent (String *key*, String *value*) [inline]

add another component consisting of a key and a value to this sampling address

Parameters:
key the address key for this component, e.g. crate
value address value for this component, e.g. crate_identi er

2.10 `emon::SelectionCriteria` Class Reference

Public Member Functions

- [SelectionCriteria](#) ()

Version:

23/03/2005

2.10.2 Constructor & Destructor Documentation**2.10.2.1 `emon::SelectionCriteria::SelectionCriteria ()` [inline]**

empty constructor

2.10.2.2 `emon::SelectionCriteria::SelectionCriteria (int _detector_type, int _lvl1_trigger_type, int _lvl2_trigger_info, int _status_word, int _statistics)` [inline]

2.10.4.1 MaskedValue `emon::SelectionCriteria::detector_type` = null

a (possibly) masked value struct for the `detector_type`

2.10.4.2 MaskedValue `emon::SelectionCriteria::lvl1_trigger_type` = null

a (possibly) masked value for the level1 trigger type

2.10.4.3 MaskedValue `emon::SelectionCriteria::lvl2_trigger_info` = null

a (possibly) masked value for the level2 trigger info

2.10.4.4 int `emon::SelectionCriteria::statistics` = (int) 0

a value for sampling statistics

the semantics of a value of x for statistics is: sample every x-th event

2.10.4.5 MaskedValue `emon::SelectionCriteria::status_word` = null

a (possibly) masked value for the status word ind inininini1 2l(trigger)-2509ggesa (possibly) masked value for thevalue for th

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