TruffleHog

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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edu.kit.ipd.trufflehog.util.INotifier< M > 5
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Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

edu.kit.ipd.trufflehog.util.IListener< M > 5
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edu.kit.ipd.trufflehog.util.Notifier< M > 7

Chapter 3

Class Documentation

3.1 edu.kit.ipd.trufflehog.util.IListener< M > Interface Template Reference

Public Member Functions

- void recieve (M m)

3.1.1 Detailed Description

The IListener interface works together with Notifier and INotifier to create the main communication method between threads in TruffleHog. This communication method is a variation of the observer design pattern where messages sent from the subject to the observer include a parameter of type M. The IListener is the observer in this case. It registers with the Notifier and receives messages sent from the Notifier through the receive method.

Parameters

<M>	The type of message to receive

3.1.2 Member Function Documentation

3.1.2.1 void edu.kit.ipd.trufflehog.util.IListener< M >.recieve (M *m*)

Gets a message from a Notifier this IListener is registered to along with a parameter of type M.

Parameters

m	The message that is sent from the Notifier to the IListener.

3.2 edu.kit.ipd.trufflehog.util.INotifier< M > Interface Template Reference

Inherited by edu.kit.ipd.trufflehog.util.Notifier< M >.

Public Member Functions

- void addListener (IListener listener)
- void removeListener (IListener listener)
- void notifyListeners (M message)

3.2.1 Detailed Description

The INotifier interface works together with Notifier and IListener to create the main communication method between threads in TruffleHog. This communication method is a variation of the observer design pattern where messages sent from the subject to the observer include a parameter of type M. The INotifier is the subject in this case. IListeners register with the INotifier and can then be notified through the notifyListeners method. Unlike in the classic observer pattern, the notifyListeners method offers the possibility to pass along a parameter of type M.

The INotifier is the abstraction from the Notifier. If a class needs to be notified and cannot extend it, it should implement INotifier and its methods should be delegated to the actual Notifier class.

Parameters

<M>	The type of message to receive.

3.2.2 Member Function Documentation

3.2.2.1 void edu.kit.ipd.trufflehog.util.INotifier< M >.addListener (IListener *listener*)

Register an IListener with this INotifier. This IListener will then be notified on the notifyListeners(M) method call.

Parameters

listener	The IListeners to register with this INotifier.

Implemented in edu.kit.ipd.trufflehog.util.Notifier< M >.

3.2.2.2 void edu.kit.ipd.trufflehog.util.INotifier< M >.notifyListeners (M *message*)

Notifies all IListeners that are registered with this INotifier. It sends along a message of type M

Parameters

message	The message to send along with the notification to each IListener.

Implemented in edu.kit.ipd.trufflehog.util.Notifier< M >.

3.2.2.3 void edu.kit.ipd.trufflehog.util.INotifier< M >.removeListener (IListener *listener*)

Removes an IListener from this INotifier. This IListener will then not be notified anymore on the notifyListeners(M) method call.

Parameters

listener	The IListeners to register with this INotifier.

Implemented in edu.kit.ipd.trufflehog.util.Notifier< M >.

3.3 edu.kit.ipd.trufflehog.Main Class Reference

Static Public Member Functions

- static void main (String[ ] args)

3.3.1 Detailed Description

The main class in TruffleHog. It initiates everything.

3.3.2 Member Function Documentation

3.3.2.1 static void edu.kit.ipd.trufflehog.Main.main (String[ ] *args*) [static]

The main method of TruffleHog. It starts the program.

Parameters

args	command line arguments

3.4 edu.kit.ipd.trufflehog.util.Notifier< M > Class Template Reference

Inherits edu.kit.ipd.trufflehog.util.INotifier< M >.

Public Member Functions

- void addListener (IListener listener)
- void removeListener (IListener listener)
- void notifyListeners (M message)

3.4.1 Detailed Description

The Notifier class works together with INotifier and IListener to create the main communication method between threads in TruffleHog. This communication method is a variation of the observer design pattern where messages sent from the subject to the observer include a parameter of type M. The Notifier is the subject in this case. IListeners register with the Notifier and can then be notified through the notifyListeners method. Unlike in the classic observer pattern, the notifyListeners method offers the possibility to pass along a parameter of type M.

The Notifier is the implementation of the INotifier. If a class can extend the Notifier it should.

Parameters

<*M*>	The type of message to receive.

3.4.2 Member Function Documentation

3.4.2.1 void edu.kit.ipd.trufflehog.util.Notifier< M >.addListener (IListener *listener*)

Register an IListener with this INotifier. This IListener will then be notified on the notifyListeners(M) method call.

Parameters

listener	The IListeners to register with this INotifier.

Implements edu.kit.ipd.trufflehog.util.INotifier< M >.

3.4.2.2 void edu.kit.ipd.trufflehog.util.Notifier< M >.notifyListeners (M *message*)

Notifies all IListeners that are registered with this INotifier. It sends along a message of type M

Parameters

message	The message to send along with the notification to each IListener.

Implements edu.kit.ipd.trufflehog.util.INotifier< M >.

3.4.2.3 void edu.kit.ipd.trufflehog.util.Notifier< M >.removeListener (IListener *listener*)

Removes an IListener from this INotifier. This IListener will then not be notified anymore on the notifyListeners(M) method call.

Parameters

listener	The IListeners to register with this INotifier.

Implements edu.kit.ipd.trufflehog.util.INotifier< M >.

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