

# Class Aggregation

java.lang.Object  
com.sun.btrace.aggregation.Aggregation

All Implemented Interfaces:

java.lang.Cloneable

```
public class Aggregation
extends java.lang.Object
implements java.lang.Cloneable
```

存储"聚合函数的结果"到“聚合集”中

BTrace stores the results of aggregating functions in an Aggregation. The aggregated values may be grouped using a composite AggregationKey.

聚合的值可以使用“组合的聚合键”进行分组

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## Constructor Summary

### Constructors

#### Constructor and Description

Aggregation(AggregationFunction type)  
Creates an aggregation.

## Method Summary

All MethodsInstance MethodsConcrete Methods

Modifier and Type	Method and Description
void	add(AggregationKey key, long data)
使用“给定的分组键”来增加数据项到“聚合集”中	Adds an item of data to the aggregation with the specified grouping key.
void	add(long data)
	Adds an item of data to the aggregation with an empty key.
void	clear()
	Resets all values in the aggregation to their default.
protected java.lang.Object	clone()
java.util.List<java.lang.Object[]>	getData()
	Returns details of the aggregation in a tabular format which can be serialized across the wire and formatted for display.

java.util.List<AggregationKey>

**getKeyData()**

Returns a list of the AggregationKeys that belong to this aggregation.

java.lang.Long

**getValueForKey(AggregationKey key)**

Returns a value for the given key if the key has a value associated with it.

void

**truncate(int count)**

Reduces the size of the aggregation to the absolute value of count.

## Methods inherited from class java.lang.Object

equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructor Detail

### Aggregation

```
public Aggregation(AggregationFunction type)
```

Creates an aggregation.

**Parameters:**

type - the type of aggregation function to use

## Method Detail

### add

```
public void add(long data)
```

Adds an item of data to the aggregation with an empty key. This method is recommended if the aggregation will contain only a single value.

**Parameters:**

data - the value to be added

### add

```
public void add(AggregationKey key,  
               long data)
```

Adds an item of data to the aggregation with the specified grouping key.

**Parameters:**