

JAVA.UTIL.UUID CLASS

http://www.tutorialspoint.com/java/util/java_util_uuid.htm

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Introduction

The **java.util.UUID** class represents an immutable **universally unique identifier** *UUID*. Following are the important points about UUID:

- A UUID represents a 128-bit value.
- It is used for creating random file names, session id in web application, transaction id etc.
- There are four different basic types of UUIDs: time-based, DCE security, name-based, and randomly generated UUIDs.

Class declaration

Following is the declaration for **java.util.UUID** class:

```
public final class UUID
    extends Object
    implements Serializable, Comparable<UUID>
```

Class constructors

S.N. Constructor & Description

- | | |
|---|--|
| 1 | UUID <i>longmostSigBits, longleastSigBits</i>
This constructor constructs a new UUID using the specified data. |
|---|--|

Class methods

S.N. Method & Description

- | | |
|---|--|
| 1 | <u>int clockSequence</u>
This method shows the clock sequence value associated with this UUID. |
| 2 | <u>int compareToUUIDval</u>
This method compares this UUID with the specified UUID. |
| 3 | <u>boolean equalsObjectobj</u>
This method compares this object to the specified object. |
| 4 | <u>static UUID fromStringStringname</u>
This method creates a UUID from the string standard representation. |

- 5 [long getLeastSignificantBits](#)
This method returns the least significant 64 bits of this UUID's 128 bit value.
- 6 [long getMostSignificantBits](#)
This method returns the most significant 64 bits of this UUID's 128 bit value.
- 7 [int hashCode](#)
This method returns a hash code for this UUID.
- 8 [static UUID nameUUIDFromBytesbyte\[\] name](#)
Static factory to retrieve a type 3*namebased* UUID based on the specified byte array.
- 9 [long node](#)
This method returns the node value associated with this UUID.
- 10 [static UUID randomUUID](#)
Static factory to retrieve a type 4*pseudorandomlygenerated* UUID.
- 11 [long timestamp](#)
This method returns the timestamp value associated with this UUID.
- 12 [String toString](#)
This method returns the String object representing this UUID.
- 13 [int variant](#)
This method returns the variant number associated with this UUID.
- 14 [int version](#)
This method removes the version number associated with this UUID.

Methods inherited

This class inherits methods from the following classes:

• [java.util.Object](#)

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