

# UUIDs

## UUIDs.uuid1 — Function

```
uuid1([rng::AbstractRNG=GLOBAL_RNG]) -> UUID
```

Generates a version 1 (time-based) universally unique identifier (UUID), as specified by RFC 4122. Note that the Node ID is randomly generated (does not identify the host) according to section 4.5 of the RFC.

### Examples

```
julia> rng = MersenneTwister(1234);  
  
julia> uuid1(rng)  
UUID("cfc395e8-590f-11e8-1f13-43a2532b2fa8")
```

## UUIDs.uuid4 — Function

```
uuid4([rng::AbstractRNG=GLOBAL_RNG]) -> UUID
```

Generates a version 4 (random or pseudo-random) universally unique identifier (UUID), as specified by RFC 4122.

### Examples

```
julia> rng = MersenneTwister(1234);  
  
julia> uuid4(rng)  
UUID("196f2941-2d58-45ba-9f13-43a2532b2fa8")
```

## UUIDs.uuid5 — Function

```
uuid5(ns::UUID, name::String) -> UUID
```

Generates a version 5 (namespace and domain-based) universally unique identifier (UUID), as specified by RFC 4122.

**!** Julia 1.1

This function requires at least Julia 1.1.

### Examples

```
julia> rng = MersenneTwister(1234);

julia> u4 = uuid4(rng)
UUID("196f2941-2d58-45ba-9f13-43a2532b2fa8")

julia> u5 = uuid5(u4, "julia")
UUID("b37756f8-b0c0-54cd-a466-19b3d25683bc")
```

### UUIDs.uuid\_version — Function

```
uuid_version(u::UUID) -> Int
```

Inspects the given UUID and returns its version (see [RFC 4122](https://tools.ietf.org/html/rfc4122)).

### Examples

```
julia> uuid_version(uuid4())
4
```