

# swift-idmef Documentation

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### Structure

## IDMEFObject

```
public struct IDMEFObject
```

IDMEF base object.

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This implementation provides:

- property getting
- property setting: no check is done on property key, check is done by IDMEFValidator
- serialization of a IDMEFObject instance to JSON bytes
- deserialization if JSON bytes to a IDMEFObject instance
- validation of an IDMEFObject against JSON schema

## Initializers

### init(content:)

```
public init(content: [String:Any]? =  
    nil)
```

Initializes a IDMEFObject.

### Initializers

init(content:)

### Methods

serialize()

deserialize(json:)

validate(simplif...

## Parameters

<b>content</b>	[String: Any]?	the optional content of the created IDMEFObject
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## Methods

### serialize()

```
public func serialize() -> String?
```

Serialize a Message to JSON bytes.

#### Returns

the JSON bytes as a String

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### deserialize(json:)

```
public static func deserialize(json: String) -> IDMEFObject?
```

Deserialize JSON bytes to a IDMEFObject

#### Parameters

<b>json</b>	String	the JSON bytes
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#### Returns

a IDMEFObject object with content filled from JSON

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### validate(simplified:)

```
public func validate(simplified: Bool = true) throws -> Bool
```

Validate the content of a IDMEFObject

## Parameters

**simplified**    `Bool`    if true, will use a simplified schema for testing

## Throws

an exception if an error occurred during schema building

## Returns

true if the IDMEFObject content is valid against the specified JSON schema, false if not