[**swift-idmef** Documentation](file:///\\192.168.56.1\francois\projects\SECEF\work\swift-idmef-library\doc\html\IDMEFObject\)

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# Structure IDMEFObject

public struct IDMEFObject

IDMEF base object.

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:​)](#idmefobject.init(content:))

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

Initializes a IDMEFObject.

#### Parameters

| **Name** | **Type** | **Description** |
| --- | --- | --- |
| **content** | [String:​Any]? | the optional content of the created IDMEFObject |

## Methods

### [serialize()](#idmefobject.serialize())

public func serialize() -> String?

Serialize a Message to JSON bytes.

#### Returns

the JSON bytes as a String

### [deserialize(json:​)](#idmefobject.deserialize(json:))

public static func deserialize(json: String) -> [IDMEFObject](file:///\\192.168.56.1\francois\projects\SECEF\work\swift-idmef-library\doc\html\IDMEFObject\IDMEFObject)?

Deserialize JSON bytes to a IDMEFObject

#### Parameters

| **Name** | **Type** | **Description** |
| --- | --- | --- |
| **json** | String | the JSON bytes |

#### Returns

a IDMEFObject object with content filled from JSON

### [validate(simplified:​)](#idmefobject.validate(simplified:))

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

Validate the content of a IDMEFObject

#### Parameters

| **Name** | **Type** | **Description** |
| --- | --- | --- |
| **simplified** | Bool | if true, will use a simplified schema for testing |

#### Throws

an exception if an error occured during schema building

#### Returns

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

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