| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Codec.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV CLASS   [**NEXT CLASS**](http://docs.google.com/org/omg/IOP/CodecFactory.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/IOP/Codec.html)    [**NO FRAMES**](http://docs.google.com/Codec.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | METHOD | DETAIL: FIELD | CONSTR | METHOD |

## **org.omg.IOP**

Interface Codec

**All Superinterfaces:** [CodecOperations](http://docs.google.com/org/omg/IOP/CodecOperations.html), [IDLEntity](http://docs.google.com/org/omg/CORBA/portable/IDLEntity.html), [Object](http://docs.google.com/org/omg/CORBA/Object.html), [Serializable](http://docs.google.com/java/io/Serializable.html)

public interface **Codec**extends [CodecOperations](http://docs.google.com/org/omg/IOP/CodecOperations.html), [Object](http://docs.google.com/org/omg/CORBA/Object.html), [IDLEntity](http://docs.google.com/org/omg/CORBA/portable/IDLEntity.html)

The formats of IOR components and service context data used by ORB services are often defined as CDR encapsulations encoding instances of IDL defined data types. The Codec provides a mechanism to transfer these components between their IDL data types and their CDR encapsulation representations.

A Codec is obtained from the CodecFactory. The CodecFactory is obtained through a call to ORB.resolve\_initial\_references( "CodecFactory" ).

| **Method Summary** | |
| --- | --- |

| **Methods inherited from interface org.omg.IOP.**[**CodecOperations**](http://docs.google.com/org/omg/IOP/CodecOperations.html) |
| --- |
| [decode\_value](http://docs.google.com/org/omg/IOP/CodecOperations.html#decode_value(byte%5B%5D,%20org.omg.CORBA.TypeCode)), [decode](http://docs.google.com/org/omg/IOP/CodecOperations.html#decode(byte%5B%5D)), [encode\_value](http://docs.google.com/org/omg/IOP/CodecOperations.html#encode_value(org.omg.CORBA.Any)), [encode](http://docs.google.com/org/omg/IOP/CodecOperations.html#encode(org.omg.CORBA.Any)) |

| **Methods inherited from interface org.omg.CORBA.**[**Object**](http://docs.google.com/org/omg/CORBA/Object.html) |
| --- |
| [\_create\_request](http://docs.google.com/org/omg/CORBA/Object.html#_create_request(org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue)), [\_create\_request](http://docs.google.com/org/omg/CORBA/Object.html#_create_request(org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue,%20org.omg.CORBA.ExceptionList,%20org.omg.CORBA.ContextList)), [\_duplicate](http://docs.google.com/org/omg/CORBA/Object.html#_duplicate()), [\_get\_domain\_managers](http://docs.google.com/org/omg/CORBA/Object.html#_get_domain_managers()), [\_get\_interface\_def](http://docs.google.com/org/omg/CORBA/Object.html#_get_interface_def()), [\_get\_policy](http://docs.google.com/org/omg/CORBA/Object.html#_get_policy(int)), [\_hash](http://docs.google.com/org/omg/CORBA/Object.html#_hash(int)), [\_is\_a](http://docs.google.com/org/omg/CORBA/Object.html#_is_a(java.lang.String)), [\_is\_equivalent](http://docs.google.com/org/omg/CORBA/Object.html#_is_equivalent(org.omg.CORBA.Object)), [\_non\_existent](http://docs.google.com/org/omg/CORBA/Object.html#_non_existent()), [\_release](http://docs.google.com/org/omg/CORBA/Object.html#_release()), [\_request](http://docs.google.com/org/omg/CORBA/Object.html#_request(java.lang.String)), [\_set\_policy\_override](http://docs.google.com/org/omg/CORBA/Object.html#_set_policy_override(org.omg.CORBA.Policy%5B%5D,%20org.omg.CORBA.SetOverrideType)) |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Codec.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV CLASS   [**NEXT CLASS**](http://docs.google.com/org/omg/IOP/CodecFactory.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/IOP/Codec.html)    [**NO FRAMES**](http://docs.google.com/Codec.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | METHOD | DETAIL: FIELD | CONSTR | METHOD |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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