



Java Coding Standard

Arnaud Blandin [blandin@intalio.com]

Contributors

Assaf Arkin[arkin@intalio.com]

Keith Visco [kvisco@intalio.com]

Revision: March 15, 2002



Table of Contents

Note to the reader.....	4
1 Introduction and Contents.....	



6 Related Documents





1 Introduction and Contents

Related Documents

References to other style guidelines etc.



Example:

```
/**  
 * A class representing a window on the screen.
```

2.4



2.7 Layout

- Indentation

Avoid the 'Tab' key; four spaces should be used as the unit of indentation.

Note:



- Put the



2.8



- All binary operators except '.' should be separated from their operands by

2.9 Wrapping Lines

When an expression does not fit on a single line, break it in order to make your code as



- Don't use generic exceptions, always try to as precise as possible when catching an exception

Rationale: Being precise will help you to master your code and to know exactly what you are doing. For instance, the following exception handling code reflects the work of a developer that is not very confident (t3 hloper 6cise w8(2p Dlllexception) 122 22.8 0 c (fident1ce)





4.3 Variables



- Avoid unnecessary instance variable access and update methods. Write `get/set`-style methods only when they are intrinsic aspects of functionality. Always write these methods when coding an interface.

Rationale



4.5 Technical points

-

- Embed casts in conditionals. For example:

```
C cx = null;  
) if (x instanceof C) cx = (C) x;
```

- Prefer declaring arrays as `Type[] arrayName` rather than `Type arrayName[]`.

•



And above all,

5 Code Examples

5.1 Example.java



```

/**
 * Holds the identifier for this URI
 */
private String _identifier;

/**
 * the URI reference to which this reference is relative
 */
private URIReference _baseURI;

/**
 * The URNNamespace for this URI
 *
 * @see URNNamespace
 */
private URNNamespace _namespace;

/**
 * Constructs a new URI reference from the given URL
 *
 * @param url The URL
 */
public URIReference(String url) {
    _identifier = url;
}

```




```
* identifier (namespace specific string).  
*  
* @return The resource identifier as a string  
*/  
public String getIdentifier() {      *
```

```
    ...  
  } else {  
    ...  
  }
```

```
} / --
```



5.2 package.html



```
}
```



6 Related Documents

For some others standards and style guides, see:

- The JavaDoc Conventions:

<http://java.sun.com/products/jdk/javadoc/writingdoccomments/index.html>

- Javasoft Coding Standard (the present document uses some sections of it)

<http://java.sun.com/docs/codeconv/html/CodeConvTOC.doc.html>