| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NamespaceContext.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/javax/xml/namespace/QName.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/namespace/NamespaceContext.html)    [**NO FRAMES**](http://docs.google.com/NamespaceContext.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **javax.xml.namespace**

Interface NamespaceContext

public interface **NamespaceContext**

Interface for read only XML Namespace context processing.

An XML Namespace has the properties:

* Namespace URI: Namespace name expressed as a URI to which the prefix is bound
* prefix: syntactically, this is the part of the attribute name following the XMLConstants.XMLNS\_ATTRIBUTE ("xmlns") in the Namespace declaration

example: <element xmlns:prefix="http://Namespace-name-URI">

All get\*(\*) methods operate in the current scope for Namespace URI and prefix resolution.

Note that a Namespace URI can be bound to **multiple** prefixes in the current scope. This can occur when multiple XMLConstants.XMLNS\_ATTRIBUTE ("xmlns") Namespace declarations occur in the same Start-Tag and refer to the same Namespace URI. e.g.

<element xmlns:prefix1="http://Namespace-name-URI"  
 xmlns:prefix2="http://Namespace-name-URI">

This can also occur when the same Namespace URI is used in multiple XMLConstants.XMLNS\_ATTRIBUTE ("xmlns") Namespace declarations in the logical parent element hierarchy. e.g.

<parent xmlns:prefix1="http://Namespace-name-URI">  
 <child xmlns:prefix2="http://Namespace-name-URI">  
 ...  
 </child>  
 </parent>

A prefix can only be bound to a **single** Namespace URI in the current scope.

**Since:** 1.5 **See Also:**[javax.xml.XMLConstants for declarations of common XML values](http://docs.google.com/javax/xml/XMLConstants.html),  [XML Schema Part2: Datatypes](http://www.w3.org/TR/xmlschema-2/#QName),  [Namespaces in XML](http://www.w3.org/TR/REC-xml-names/#ns-qualnames),  [Namespaces in XML Errata](http://www.w3.org/XML/xml-names-19990114-errata)

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getNamespaceURI**](http://docs.google.com/javax/xml/namespace/NamespaceContext.html#getNamespaceURI(java.lang.String))([String](http://docs.google.com/java/lang/String.html) prefix)            Get Namespace URI bound to a prefix in the current scope. |
| [String](http://docs.google.com/java/lang/String.html) | [**getPrefix**](http://docs.google.com/javax/xml/namespace/NamespaceContext.html#getPrefix(java.lang.String))([String](http://docs.google.com/java/lang/String.html) namespaceURI)            Get prefix bound to Namespace URI in the current scope. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | [**getPrefixes**](http://docs.google.com/javax/xml/namespace/NamespaceContext.html#getPrefixes(java.lang.String))([String](http://docs.google.com/java/lang/String.html) namespaceURI)            Get all prefixes bound to a Namespace URI in the current scope. |

| **Method Detail** |
| --- |

### getNamespaceURI

[String](http://docs.google.com/java/lang/String.html) **getNamespaceURI**([String](http://docs.google.com/java/lang/String.html) prefix)

Get Namespace URI bound to a prefix in the current scope.

When requesting a Namespace URI by prefix, the following table describes the returned Namespace URI value for all possible prefix values:

| getNamespaceURI(prefix) return value for specified prefixes | |
| --- | --- |
| prefix parameter | Namespace URI return value |
| DEFAULT\_NS\_PREFIX ("") | default Namespace URI in the current scope or [XMLConstants.NULL\_NS\_URI("")](http://docs.google.com/javax/xml/XMLConstants.html#NULL_NS_URI) when there is no default Namespace URI in the current scope |
| bound prefix | Namespace URI bound to prefix in current scope |
| unbound prefix | [XMLConstants.NULL\_NS\_URI("")](http://docs.google.com/javax/xml/XMLConstants.html#NULL_NS_URI) |
| XMLConstants.XML\_NS\_PREFIX ("xml") | XMLConstants.XML\_NS\_URI ("http://www.w3.org/XML/1998/namespace") |
| XMLConstants.XMLNS\_ATTRIBUTE ("xmlns") | XMLConstants.XMLNS\_ATTRIBUTE\_NS\_URI ("http://www.w3.org/2000/xmlns/") |
| null | IllegalArgumentException is thrown |

**Parameters:**prefix - prefix to look up **Returns:**Namespace URI bound to prefix in the current scope **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - When prefix is null

### getPrefix

[String](http://docs.google.com/java/lang/String.html) **getPrefix**([String](http://docs.google.com/java/lang/String.html) namespaceURI)

Get prefix bound to Namespace URI in the current scope.

To get all prefixes bound to a Namespace URI in the current scope, use [getPrefixes(String namespaceURI)](http://docs.google.com/javax/xml/namespace/NamespaceContext.html#getPrefixes(java.lang.String)).

When requesting a prefix by Namespace URI, the following table describes the returned prefix value for all Namespace URI values:

| getPrefix(namespaceURI) return value for specified Namespace URIs | |
| --- | --- |
| Namespace URI parameter | prefix value returned |
| <default Namespace URI> | XMLConstants.DEFAULT\_NS\_PREFIX ("") |
| bound Namespace URI | prefix bound to Namespace URI in the current scope, if multiple prefixes are bound to the Namespace URI in the current scope, a single arbitrary prefix, whose choice is implementation dependent, is returned |
| unbound Namespace URI | null |
| XMLConstants.XML\_NS\_URI ("http://www.w3.org/XML/1998/namespace") | XMLConstants.XML\_NS\_PREFIX ("xml") |
| XMLConstants.XMLNS\_ATTRIBUTE\_NS\_URI ("http://www.w3.org/2000/xmlns/") | XMLConstants.XMLNS\_ATTRIBUTE ("xmlns") |
| null | IllegalArgumentException is thrown |

**Parameters:**namespaceURI - URI of Namespace to lookup **Returns:**prefix bound to Namespace URI in current context **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - When namespaceURI is null

### getPrefixes

[Iterator](http://docs.google.com/java/util/Iterator.html) **getPrefixes**([String](http://docs.google.com/java/lang/String.html) namespaceURI)

Get all prefixes bound to a Namespace URI in the current scope.

An Iterator over String elements is returned in an arbitrary, **implementation dependent**, order.

**The Iterator is *not* modifiable. e.g. the remove() method will throw UnsupportedOperationException.**

When requesting prefixes by Namespace URI, the following table describes the returned prefixes value for all Namespace URI values:

| getPrefixes(namespaceURI) return value for specified Namespace URIs | |
| --- | --- |
| Namespace URI parameter | prefixes value returned |
| bound Namespace URI, including the <default Namespace URI> | Iterator over prefixes bound to Namespace URI in the current scope in an arbitrary, **implementation dependent**, order |
| unbound Namespace URI | empty Iterator |
| XMLConstants.XML\_NS\_URI ("http://www.w3.org/XML/1998/namespace") | Iterator with one element set to XMLConstants.XML\_NS\_PREFIX ("xml") |
| XMLConstants.XMLNS\_ATTRIBUTE\_NS\_URI ("http://www.w3.org/2000/xmlns/") | Iterator with one element set to XMLConstants.XMLNS\_ATTRIBUTE ("xmlns") |
| null | IllegalArgumentException is thrown |

**Parameters:**namespaceURI - URI of Namespace to lookup **Returns:**Iterator for all prefixes bound to the Namespace URI in the current scope **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - When namespaceURI is null

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NamespaceContext.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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