Spring Framework

org.springframework.web.context

# Interface WebApplicationContext

**All Superinterfaces:**
ApplicationContext, ApplicationEventPublisher, BeanFactory, EnvironmentCapable,
HierarchicalBeanFactory, ListableBeanFactory, MessageSource, ResourceLoader,
ResourcePatternResolver

**All Known Subinterfaces:**
ConfigurablePortletApplicationContext, ConfigurableWebApplicationContext

**All Known Implementing Classes:**
AbstractRefreshablePortletApplicationContext, AbstractRefreshableWebApplicationContext,
AnnotationConfigWebApplicationContext, GenericWebApplicationContext,
GroovyWebApplicationContext, StaticPortletApplicationContext,
StaticWebApplicationContext, XmlPortletApplicationContext, XmlWebApplicationContext

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public interface **WebApplicationContext**
extends ApplicationContext

Interface to provide configuration for a web application. This is read-only while the application is
running, but may be reloaded if the implementation supports this.

This interface adds a getServletContext() method to the generic ApplicationContext interface, and
defines a well-known application attribute name that the root context must be bound to in the
bootstrap process.

Like generic application contexts, web application contexts are hierarchical. There is a single root
context per application, while each servlet in the application (including a dispatcher servlet in the MVC
framework) has its own child context.

In addition to standard application context lifecycle capabilities, WebApplicationContext
implementations need to detect ServletContextAware beans and invoke the setServletContext
method accordingly.

**Since:**
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**Author:**
Rod Johnson, Juergen Hoeller

**See Also:**
ServletContextAware.setServletContext(javax.servlet.ServletContext)

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## *Field Summary*

### **Fields**

| Modifier and Type | Field and Description |
|---|---|
| static **String** | **CONTEXT_ATTRIBUTES_BEAN_NAME**<br>Name of the ServletContext/PortletContext attributes environment bean in the factory. |
| static **String** | **CONTEXT_PARAMETERS_BEAN_NAME**<br>Name of the ServletContext/PortletContext init-params environment bean in the factory. |
| static **String** | **ROOT_WEB_APPLICATION_CONTEXT_ATTRIBUTE**<br>Context attribute to bind root WebApplicationContext to on successful startup. |
| static **String** | **SCOPE_APPLICATION**<br>Scope identifier for the global web application scope: "application". |
| static **String** | **SCOPE_GLOBAL_SESSION**<br>Scope identifier for global session scope: "globalSession". |
| static **String** | **SCOPE_REQUEST**<br>Scope identifier for request scope: "request". |
| static **String** | **SCOPE_SESSION**<br>Scope identifier for session scope: "session". |
| static **String** | **SERVLET_CONTEXT_BEAN_NAME**<br>Name of the ServletContext environment bean in the factory. |

### Fields inherited from interface org.springframework.beans.factory.**BeanFactory**

FACTORY_BEAN_PREFIX

### Fields inherited from interface org.springframework.core.io.support.**ResourcePatternResolver**

CLASSPATH_ALL_URL_PREFIX

### Fields inherited from interface org.springframework.core.io.**ResourceLoader**

CLASSPATH_URL_PREFIX

## *Method Summary*

**All Methods**    Instance Methods    Abstract Methods

| Modifier and Type | Method and Description |
|---|---|
| **ServletContext** | **getServletContext**()<br>Return the standard Servlet API ServletContext for this application. |

## Methods inherited from interface org.springframework.context.ApplicationContext

getApplicationName, getAutowireCapableBeanFactory, getDisplayName, getId, getParent, getStartupDate

## Methods inherited from interface org.springframework.core.env.EnvironmentCapable

getEnvironment

## Methods inherited from interface org.springframework.beans.factory.ListableBeanFactory

containsBeanDefinition, findAnnotationOnBean, getBeanDefinitionCount, getBeanDefinitionNames, getBeanNamesForAnnotation, getBeanNamesForType, getBeanNamesForType, getBeanNamesForType, getBeansOfType, getBeansOfType, getBeansWithAnnotation

## Methods inherited from interface org.springframework.beans.factory.HierarchicalBeanFactory

containsLocalBean, getParentBeanFactory

## Methods inherited from interface org.springframework.beans.factory.BeanFactory

containsBean, getAliases, getBean, getBean, getBean, getBean, getBean, getType, isPrototype, isSingleton, isTypeMatch, isTypeMatch

## Methods inherited from interface org.springframework.context.MessageSource

getMessage, getMessage, getMessage

## Methods inherited from interface org.springframework.context.ApplicationEventPublisher

publishEvent, publishEvent

## Methods inherited from interface org.springframework.core.io.support.ResourcePatternResolver

getResources

## Methods inherited from interface org.springframework.core.io.ResourceLoader

getClassLoader, getResource

## *Field Detail*

### ROOT_WEB_APPLICATION_CONTEXT_ATTRIBUTE

static final String ROOT_WEB_APPLICATION_CONTEXT_ATTRIBUTE

Context attribute to bind root WebApplicationContext to on successful startup.

Note: If the startup of the root context fails, this attribute can contain an exception or error as value. Use WebApplicationContextUtils for convenient lookup of the root WebApplicationContext.

**See Also:**
WebApplicationContextUtils.getWebApplicationContext(javax.servlet.ServletContext), WebApplicationContextUtils.getRequiredWebApplicationContext(javax.servlet.ServletContext)

### SCOPE_REQUEST

static final String SCOPE_REQUEST

Scope identifier for request scope: "request". Supported in addition to the standard scopes "singleton" and "prototype".

**See Also:**
Constant Field Values

### SCOPE_SESSION

static final String SCOPE_SESSION

Scope identifier for session scope: "session". Supported in addition to the standard scopes "singleton" and "prototype".

**See Also:**
Constant Field Values

### SCOPE_GLOBAL_SESSION

static final String SCOPE_GLOBAL_SESSION

Scope identifier for global session scope: "globalSession". Supported in addition to the standard scopes "singleton" and "prototype".

**See Also:**
Constant Field Values

### SCOPE_APPLICATION

static final String SCOPE_APPLICATION

Scope identifier for the global web application scope: "application". Supported in addition to the standard scopes "singleton" and "prototype".

**See Also:**
Constant Field Values

## SERVLET_CONTEXT_BEAN_NAME

static final String SERVLET_CONTEXT_BEAN_NAME

Name of the ServletContext environment bean in the factory.

**See Also:**
ServletContext, Constant Field Values

## CONTEXT_PARAMETERS_BEAN_NAME

static final String CONTEXT_PARAMETERS_BEAN_NAME

Name of the ServletContext/PortletContext init-params environment bean in the factory.

Note: Possibly merged with ServletConfig/PortletConfig parameters. ServletConfig parameters override ServletContext parameters of the same name.

**See Also:**
ServletContext.getInitParameterNames(), ServletContext.getInitParameter(String), ServletConfig.getInitParameterNames(), ServletConfig.getInitParameter(String), Constant Field Values

## CONTEXT_ATTRIBUTES_BEAN_NAME

static final String CONTEXT_ATTRIBUTES_BEAN_NAME

Name of the ServletContext/PortletContext attributes environment bean in the factory.

**See Also:**
ServletContext.getAttributeNames(), ServletContext.getAttribute(String), Constant Field Values

## *Method Detail*

### getServletContext

ServletContext getServletContext()

Return the standard Servlet API ServletContext for this application.

Also available for a Portlet application, in addition to the PortletContext.