

[OVERVIEW](#) [PACKAGE](#) [CLASS](#) [TREE](#) [DEPRECATED](#) [INDEX](#) [HELP](#)[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#) [ALL CLASSES](#)[SUMMARY: NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) [DETAIL: FIELD](#) | [CONSTR](#) | [METHOD](#)[org.springframework.web.context](#)

Class ContextLoaderListener

[java.lang.Object](#)[org.springframework.web.context.ContextLoader](#)[org.springframework.web.context.ContextLoaderListener](#)

All Implemented Interfaces:

[EventListener](#), [ServletContextListener](#)

```
public class ContextLoaderListener
```

```
extends ContextLoader
```

```
implements ServletContextListener
```

Bootstrap listener to start up and shut down Spring's root [WebApplicationContext](#). Simply delegates to [ContextLoader](#) as well as to [ContextCleanupListener](#).

This listener should be registered after [Log4jConfigListener](#) in `web.xml`, if the latter is used.

As of Spring 3.1, [ContextLoaderListener](#) supports injecting the root web application context via the [ContextLoaderListener\(WebApplicationContext\)](#) constructor, allowing for programmatic configuration in Servlet 3.0+ environments. See [WebApplicationInitializer](#) for usage examples.

Since:

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See Also:

[ContextLoader.setContextInitializers\(org.springframework.context.ApplicationContextInitializer<?>...\)](#), [WebApplicationInitializer](#), [Log4jConfigListener](#)

Field Summary

Fields inherited from class [org.springframework.web.context.ContextLoader](#)

[CONFIG_LOCATION_PARAM](#), [CONTEXT_CLASS_PARAM](#), [CONTEXT_ID_PARAM](#),
[CONTEXT_INITIALIZER_CLASSES_PARAM](#), [GLOBAL_INITIALIZER_CLASSES_PARAM](#),
[LOCATOR_FACTORY_KEY_PARAM](#), [LOCATOR_FACTORY_SELECTOR_PARAM](#)

Constructor Summary

Constructors

Constructor and Description

[ContextLoaderListener\(\)](#)

Create a new `ContextLoaderListener` that will create a web application context based on the "contextClass" and "contextConfigLocation" servlet context-params.

`ContextLoaderListener(WebApplicationContext context)`

Create a new `ContextLoaderListener` with the given application context.

Method Summary

All Methods **Instance Methods** **Concrete Methods**

Modifier and Type	Method and Description
void	<code>contextDestroyed(ServletContextEvent event)</code> Close the root web application context.
void	<code>contextInitialized(ServletContextEvent event)</code> Initialize the root web application context.

Methods inherited from class `org.springframework.web.context.ContextLoader`

`closeWebApplicationContext`, `configureAndRefreshWebApplicationContext`, `createWebApplicationContext`, `customizeContext`, `determineContextClass`, `determineContextInitializerClasses`, `getCurrentWebApplicationContext`, `initWebApplicationContext`, `loadParentContext`, `setContextInitializers`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructor Detail

`ContextLoaderListener`

```
public ContextLoaderListener()
```

Create a new `ContextLoaderListener` that will create a web application context based on the "contextClass" and "contextConfigLocation" servlet context-params. See [ContextLoader](#) superclass documentation for details on default values for each.

This constructor is typically used when declaring `ContextLoaderListener` as a `<listener>` within `web.xml`, where a no-arg constructor is required.

The created application context will be registered into the `ServletContext` under the attribute name `WebApplicationContext.ROOT_WEB_APPLICATION_CONTEXT_ATTRIBUTE` and the Spring application context will be closed when the `contextDestroyed(javax.servlet.ServletContextEvent)` lifecycle method is invoked on this listener.

See Also:

`ContextLoader`, `ContextLoaderListener(WebApplicationContext)`,
`contextInitialized(ServletContextEvent)`, `contextDestroyed(ServletContextEvent)`

`ContextLoaderListener`

```
public ContextLoaderListener(WebApplicationContext context)
```

Create a new `ContextLoaderListener` with the given application context. This constructor is useful in Servlet 3.0+ environments where instance-based registration of listeners is possible through the `ServletContext.addListener(java.lang.String)` API.

The context may or may not yet be refreshed. If it (a) is an implementation of `ConfigurableWebApplicationContext` and (b) has **not** already been refreshed (the recommended approach), then the following will occur:

- If the given context has not already been assigned an id, one will be assigned to it
- `ServletContext` and `ServletConfig` objects will be delegated to the application context
- `ContextLoader.customizeContext(javax.servlet.ServletContext, org.springframework.web.context.ConfigurableWebApplicationContext)` will be called
- Any `ApplicationContextInitializers` specified through the "contextInitializerClasses" init-param will be applied.
- `refresh()` will be called

If the context has already been refreshed or does not implement `ConfigurableWebApplicationContext`, none of the above will occur under the assumption that the user has performed these actions (or not) per his or her specific needs.

See `WebApplicationInitializer` for usage examples.

In any case, the given application context will be registered into the `ServletContext` under the attribute name `WebApplicationContext.ROOT_WEB_APPLICATION_CONTEXT_ATTRIBUTE` and the Spring application context will be closed when the `contextDestroyed(javax.servlet.ServletContextEvent)` lifecycle method is invoked on this listener.

Parameters:

`context` - the application context to manage

See Also:

`contextInitialized(ServletContextEvent)`, `contextDestroyed(ServletContextEvent)`

Method Detail

contextInitialized

```
public void contextInitialized(ServletContextEvent event)
```

Initialize the root web application context.

Specified by:

`contextInitialized` in interface `ServletContextListener`

contextDestroyed

```
public void contextDestroyed(ServletContextEvent event)
```

Close the root web application context.

Specified by:

`contextDestroyed` in interface `ServletContextListener`

[OVERVIEW](#) [PACKAGE](#) [CLASS](#) [TREE](#) [DEPRECATED](#) [INDEX](#) [HELP](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#) [ALL CLASSES](#)

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