Package javax.servlet

The javax.servlet package contains a number of classes and interfaces that describe and define the contracts between a servlet class and the runtime environment provided for an instance of such a class by a conforming servlet container.

描述和定义servlet类和由servlet容器提供的运行时环境之间的契约

See: Description

Interface Summary

Interface	Description
AsyncContext	Class representing the execution context for an asynchronous operation that was initiated on a ServletRequest. 表示异步操作的执行上下文（异步操作由Servlet请求对象发起）
AsyncListener	Listener that will be notified in the event that an asynchronous operation initiated on a ServletRequest to which the listener had been added has completed, timed out, or resulted in an error. 监听器，在异步操作由Servlet请求对象发起事件时会被通知
Filter 在请求或响应上执行过滤任务	A filter is an object that performs filtering tasks on either the request to a resource (a servlet or static content), or on the response from a resource, or both.
FilterChain 过滤链是由容器提供的查看过滤的请求的调用链	A FilterChain is an object provided by the servlet container to the developer giving a view into the invocation chain of a filtered request for a resource.
FilterConfig	A filter configuration object used by a servlet container to pass information to a filter during initialization. 用于servlet容器在过滤器初始化时将信息传递给过滤器
FilterRegistration	Interface through which a **Filter** may be further configured.
FilterRegistration.Dynamic 调用Servlet上下文的addFilter方法来注册一个过滤器	Interface through which a **Filter** registered via one of the **addFilter** methods on **ServletContext** may be further configured.
ReadListener 表示一种回调机制，在HTTP请求数据可读取时被通知	This class represents a call-back mechanism that will notify implementations as HTTP request data becomes available to be read without blocking.
Registration	Interface through which a **Servlet** or **Filter** may be further configured.
Registration.Dynamic	Interface through which a **Servlet** or **Filter** registered via one of the **addServlet** or **addFilter** methods, respectively, on **ServletContext** may be further configured.
RequestDispatcher 接收请求并将它们发送到任何资源(servlet、HTML)	Defines an object that receives requests from the client and sends them to any resource (such as a servlet, HTML file, or JSP file) on the server.
Servlet 服务器端小程序：定义所有servlet都必须实现的方法集	Defines methods that all servlets must implement.
ServletConfig	A servlet configuration object used by a servlet container to pass information to a servlet during initialization.
ServletContainerInitializer 在web应用程序的启动阶段被通知，并执行任何需要程序式注册的servlets、过滤器、监听器	Interface which allows a library/runtime to be notified of a web application's startup phase and perform any required programmatic registration of servlets, filters, and listeners in response to it.
ServletContext servlet使用它来与其容器进行通信	Defines a set of methods that a servlet uses to communicate with its servlet container, for example, to get the MIME type of a file, dispatch requests, or write to a log file.
ServletContextAttributeListener	Interface for receiving notification events about ServletContext attribute changes.
ServletContextListener 接收有关Servlet上下文生命周期变化的事件通知	Interface for receiving notification events about ServletContext lifecycle changes.
ServletRegistration	Interface through which a **Servlet** may be further configured.
ServletRegistration.Dynamic	Interface through which a **Servlet** registered via one of the **addServlet** methods on **ServletContext** may be further configured.
ServletRequest 将客户端请求信息提供给servlet	Defines an object to provide client request information to a servlet.
ServletRequestAttributeListener	Interface for receiving notification events about ServletRequest attribute changes.
ServletRequestListener 接收请求进来和请求出去的事件通知	Interface for receiving notification events about requests coming into and going out of scope of a web application.

ServletResponse 协助servlet将响应内容发送到客户端	Defines an object to assist a servlet in sending a response to the client.
SessionCookieConfig 用于配置各种使用cookies的会话跟踪的属性	Class that may be used to configure various properties of cookies used for session tracking purposes.
SingleThreadModel	Deprecated *As of Java Servlet API 2.4, with no direct replacement.*
WriteListener 回调通知机制：告知开发人员可以编写响应内容	Callback notification mechanism that signals to the developer it's possible to write content without blocking.

Class Summary

Class	Description
AsyncEvent 当异步操作在Servlet请求上启动时会被触发该事件	Event that gets fired when the asynchronous operation initiated on a ServletRequest (via a call to `ServletRequest.startAsync()` or `ServletRequest.startAsync(ServletRequest, ServletResponse)`) has completed, timed out, or produced an error.
GenericServlet 定义一个通用的、独立于协议的servlet实现	Defines a generic, protocol-independent servlet.
HttpConstraintElement	Java Class representation of an `HttpConstraint` annotation value. HTTP约束的注解值
HttpMethodConstraintElement	Java Class represntation of an `HttpMethodConstraint` annotation value.
MultipartConfigElement	Java Class represntation of an `MultipartConfig` annotation value.
ServletContextAttributeEvent	Event class for notifications about changes to the attributes of the ServletContext of a web application.
ServletContextEvent 有关servlet上下文变更的通知	This is the event class for notifications about changes to the servlet context of a web application.
ServletInputStream 读取客户端请求的二进制数据的输入流	Provides an input stream for reading binary data from a client request, including an efficient `readLine` method for reading data one line at a time.
ServletOutputStream 发送二进制数据到客户端的输出流	Provides an output stream for sending binary data to the client.
ServletRequestAttributeEvent	This is the event class for notifications of changes to the attributes of the servlet request in an application.
ServletRequestEvent 表示Servlet请求的生命周期事件	Events of this kind indicate lifecycle events for a ServletRequest.
ServletRequestWrapper 提供Servlet请求接口的简单实现	Provides a convenient implementation of the ServletRequest interface that can be subclassed by developers wishing to adapt the request to a Servlet.
ServletResponseWrapper 提供Servlet响应接口的简单实现	Provides a convenient implementation of the ServletResponse interface that can be subclassed by developers wishing to adapt the response from a Servlet.
ServletSecurityElement	Java Class represntation of a `ServletSecurity` annotation value.

Enum Summary

Enum	Description
DispatcherType	Enumeration of filter dispatcher types. 过滤器分发类型
SessionTrackingMode	Enumeration of session tracking modes. 会话跟踪模式

Exception Summary

Exception	Description
ServletException	Defines a general exception a servlet can throw when it encounters difficulty.
UnavailableException	Defines an exception that a servlet or filter throws to indicate that it is permanently or temporarily unavailable.

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