URLStreamHandler

# URLStreamHandlerFactory

## 继承关系

public interface **URLStreamHandlerFactory**

## 功能特性

This interface defines a factory for **URL stream protocol handlers**.

It is used by the URL class to create a URLStreamHandler **for a specific protocol**.

为特定协议创建一个URLStreamHandler。

## 唯一的一个方法

URLStreamHandler **createURLStreamHandler**(String protocol)

Creates a new URLStreamHandler instance with the specified protocol.

Parameters: protocol - the protocol ("ftp", "http", "nntp", etc.).

Returns: a URLStreamHandler for the specific protocol.

See Also: **URLStreamHandler**

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## 继承关系

public abstract class **URLStreamHandler** extends Object



## 功能特性

The abstract class **URLStreamHandler** is the common superclass **for all stream protocol handlers**. A stream protocol handler knows how to make a connection for a particular protocol type, such as http or https.

*一个StreamHandler应该知道如何根据特定的协议建立一个连接*。

In most cases, an instance of a URLStreamHandler subclass is not created directly by an application. Rather, the first time a protocol name is encountered when constructing a URL, the appropriate stream protocol handler is automatically loaded.

## 方法都是protected

protected boolean equals(URL u1, URL u2)

Provides the default equals calculation.

protected int getDefaultPort()

Returns the default port for a URL parsed by this handler.

protected InetAddress getHostAddress(URL u)

Get the IP address of our host.

protected int hashCode(URL u)

Provides the default hash calculation.

protected boolean hostsEqual(URL u1, URL u2)

Compares the host components of two URLs.

protected abstract URLConnection openConnection(URL u)

Opens a connection to the object referenced by the URL argument.

protected URLConnection openConnection(URL u, Proxy p)

Same as openConnection(URL), except that the connection will be made through the specified proxy; Protocol handlers that do not support proxying will ignore the proxy parameter and make a normal connection.

protected void **parseURL**(URL u, String spec, int start, int limit)

Parses the string representation of a URL into a URL object.

protected boolean sameFile(URL u1, URL u2)

Compare two urls to see whether they refer to the same file, i.e., having the same protocol, host, port, and path.

protected void setURL(URL u, String protocol, String host, int port, String file, String ref)

***Deprecated***.

Use setURL(URL, String, String, int, String, String, String, String);

protected void setURL(URL u, String protocol, String host, int port, String authority, String userInfo, String path, String query, String ref)

Sets the fields of the URL argument to the indicated values.

protected String toExternalForm(URL u)

Converts a URL of a specific protocol to a String.