



java.net.*

URL

Serializable

```
URL (String spec) ↴
URL (URL context, String spec) ↴
URL (String protocol, String host, String file) ↴
URL (URL context, String spec, URLStreamHandler handler) ↴
URL (String protocol, String host, int port, String file) ↴
URL (String protocol, String host, int port, String file, URLStreamHandler handler) ↴
```

```
Static Methods
void setURLStreamHandlerFactory (URLStreamHandlerFactory fac)

Accessors
String getAuthority ()
Object getContent () ↴
Object getContent (Class[] classes) ↴
int getDefaultValue ()
String getFile ()
String getHost ()
String getPath ()
int getPort ()
String getProtocol ()
String getQuery ()
String getRef ()
String getUserInfo ()

# void set (String protocol, String host, int port, String file, String ref)
# void set (String protocol, String host, int port, String authority, String userInfo,
String path, String query, String ref)
```

```
Object
boolean equals (Object obj)
int hashCode ()
String toString ()

Other Public Methods
URLConnection openConnection () ↴
InputStream openStream () ↴
boolean sameFile (URL u, URL other)
String toExternalForm ()
```



URLStreamHandlerFactory

```
URLStreamHandler createURLStreamHandler (String protocol)
```



URLStreamHandler

```
Accessors
# int getDefaultPort ()
# InetAddress getHostAddress (URL u)
# void setURL (URL u, String protocol, String host, int port, String authority,
String userInfo, String path, String query, String ref)

Other Protected Methods
# boolean equals (URL u1, URL u2)
# int hashCode (URL u)
# boolean hostsEqual (URL u1, URL u2)
# URLConnection openConnection (URL u) ↴
# void parseURL (URL u, String spec, int start, int limit)
# boolean sameFile (URL u1, URL u2)
# String toExternalForm (URL u)
```



Serializable

URI

```
URI (String str) ↴
URI (String scheme, String ssp, String fragment) ↴
URI (String scheme, String host, String path, String fragment) ↴
URI (String scheme, String authority, String path, String query, String fragment) ↴
URI (String scheme, String userInfo, String host, String path, String query, String fragment) ↴
```

```
Static Methods
URI create (String str)

Accessors
String getAuthority ()
String getFragment ()
String getHost ()
String getPath ()
int getPort ()
String getQuery ()
String getRawAuthority ()
String getRawFragment ()
String getRawPath ()
String getRawQuery ()
String getRawSchemeSpecificPart ()
String getRawUserInfo ()
String getScheme ()
String getSchemeSpecificPart ()
String getUserInfo ()
boolean isAbsolute ()
boolean isOpaque ()

Object
boolean equals (Object obj)
int hashCode ()
String toString ()

Other Public Methods
int compareTo (Object obj)
URI normalize ()
URI parseServerAuthority () ↴
URI relativize (URI uri)
URI resolve (URI uri)
URI resolve (String str)
String toASCIIString ()
URL toURL () ↴
```

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URLEncoder

```
String encode (String s, String enc) ↴
```



URLDecoder

```
String decode (String s, String enc) ↴
```