| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SaslServerFactory.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/security/sasl/SaslServer.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/security/sasl/SaslServerFactory.html)    [**NO FRAMES**](http://docs.google.com/SaslServerFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **javax.security.sasl**

Interface SaslServerFactory

public interface **SaslServerFactory**

An interface for creating instances of SaslServer. A class that implements this interface must be thread-safe and handle multiple simultaneous requests. It must also have a public constructor that accepts no argument.

This interface is not normally accessed directly by a server, which will use the Sasl static methods instead. However, a particular environment may provide and install a new or different SaslServerFactory.

**Since:** 1.5 **See Also:**[SaslServer](http://docs.google.com/javax/security/sasl/SaslServer.html), [Sasl](http://docs.google.com/javax/security/sasl/Sasl.html)

| **Method Summary** | |
| --- | --- |
| [SaslServer](http://docs.google.com/javax/security/sasl/SaslServer.html) | [**createSaslServer**](http://docs.google.com/javax/security/sasl/SaslServerFactory.html#createSaslServer(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.Map,%20javax.security.auth.callback.CallbackHandler))([String](http://docs.google.com/java/lang/String.html) mechanism, [String](http://docs.google.com/java/lang/String.html) protocol, [String](http://docs.google.com/java/lang/String.html) serverName, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> props, [CallbackHandler](http://docs.google.com/javax/security/auth/callback/CallbackHandler.html) cbh)            Creates a SaslServer using the parameters supplied. |
| [String](http://docs.google.com/java/lang/String.html)[] | [**getMechanismNames**](http://docs.google.com/javax/security/sasl/SaslServerFactory.html#getMechanismNames(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> props)            Returns an array of names of mechanisms that match the specified mechanism selection policies. |

| **Method Detail** |
| --- |

### createSaslServer

[SaslServer](http://docs.google.com/javax/security/sasl/SaslServer.html) **createSaslServer**([String](http://docs.google.com/java/lang/String.html) mechanism,  
 [String](http://docs.google.com/java/lang/String.html) protocol,  
 [String](http://docs.google.com/java/lang/String.html) serverName,  
 [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> props,  
 [CallbackHandler](http://docs.google.com/javax/security/auth/callback/CallbackHandler.html) cbh)  
 throws [SaslException](http://docs.google.com/javax/security/sasl/SaslException.html)

Creates a SaslServer using the parameters supplied. It returns null if no SaslServer can be created using the parameters supplied. Throws SaslException if it cannot create a SaslServer because of an error.

**Parameters:**mechanism - The non-null IANA-registered name of a SASL mechanism. (e.g. "GSSAPI", "CRAM-MD5").protocol - The non-null string name of the protocol for which the authentication is being performed (e.g., "ldap").serverName - The non-null fully qualified host name of the server to authenticate to.props - The possibly null set of properties used to select the SASL mechanism and to configure the authentication exchange of the selected mechanism. See the Sasl class for a list of standard properties. Other, possibly mechanism-specific, properties can be included. Properties not relevant to the selected mechanism are ignored, including any map entries with non-String keys.cbh - The possibly null callback handler to used by the SASL mechanisms to get further information from the application/library to complete the authentication. For example, a SASL mechanism might require the authentication ID, password and realm from the caller. The authentication ID is requested by using a NameCallback. The password is requested by using a PasswordCallback. The realm is requested by using a RealmChoiceCallback if there is a list of realms to choose from, and by using a RealmCallback if the realm must be entered. **Returns:**A possibly null SaslServer created using the parameters supplied. If null, this factory cannot produce a SaslServer using the parameters supplied. **Throws:** [SaslException](http://docs.google.com/javax/security/sasl/SaslException.html) - If cannot create a SaslServer because of an error.

### getMechanismNames

[String](http://docs.google.com/java/lang/String.html)[] **getMechanismNames**([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> props)

Returns an array of names of mechanisms that match the specified mechanism selection policies.

**Parameters:**props - The possibly null set of properties used to specify the security policy of the SASL mechanisms. For example, if props contains the Sasl.POLICY\_NOPLAINTEXT property with the value "true", then the factory must not return any SASL mechanisms that are susceptible to simple plain passive attacks. See the Sasl class for a complete list of policy properties. Non-policy related properties, if present in props, are ignored, including any map entries with non-String keys. **Returns:**A non-null array containing a IANA-registered SASL mechanism names.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SaslServerFactory.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/security/sasl/SaslServer.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/security/sasl/SaslServerFactory.html)    [**NO FRAMES**](http://docs.google.com/SaslServerFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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