Apéndices

Javadocs

Las clases Java del sistema implementado se distribuyen en diversos *packages* o paquetes. A continuación damos un breve resumen de algunos de los más significativos, empleando documentos generados desde el propio código de la aplicación mediante la herramienta javadoc. Todos los paquetes que aquí aparecen están ubicados en la carpeta "shib", a excepción de `edu.internet2.middleware.shibboleth.resource`, el cual está en "shib-filter".

Package edu.internet2.middleware.shibboleth.aa

Class Summary	
AAAttribute	An attribute for which the Shibboleth Attribute Authority has been asked to provide an assertion.
AAAttributeSet	A set of attributes for which the Shibboleth Attribute Authority has been asked to provide assertions.

Exception Summary	
AAException	Attribute Authority & Release Policy General Exception for AA problems

Package edu.internet2.middleware.shibboleth.aa.arp

Interface Summary	
ArpAttribute	Defines an attribute whose values can be filtered by the ArpEngine.
ArpAttributeSet	Defines a set of attributes whose values can be filtered by the ArpEngine.
ArpRepository	Defines interaction with an Arp storage/retrieval mechanism.
MatchFunction	Defines an method for determining whether an ARP Rule is applicable to a particular request

Class Summary

Class Summary	
Arp	An Attribute Release Policy.
ArpEngine	Defines a processing engine for Attribute Release Policies.
ArpRepositoryFactory	Factory for generating instances of ArpRepository.
Rule	An Attribute Release Policy Rule.

Exception Summary	
ArpException	A generic error occurred relating to Attribute Release Policies
ArpMarshallingException	Indicates an error occurred while marshalling/unmarshalling an ARP construct.
ArpProcessingException	Indicates an error occurred while evaluating one or more Attribute Release Policies.
ArpRepositoryException	Indicates an error occurred while manipulating an instance of ArpRepository
MatchingException	Signals that an error occurred while processing an ARP match function.

Package edu.internet2.middleware.shibboleth.aa.arp.provider

Class Summary	
BaseArpRepository	Provides marshalling/unmarshalling functionality common among ArpRepository implementations.
FileSystemArpRepository	Simple ArpRepository implementation that uses a filesystem for storage.
MemoryArpRepository	A memory-based ArpRepository implementation.
RegexMatchFunction	Match function implementaiton that does regular expression matching on both requesters and resources.
RegexNotMatchFunction	Match function implementaiton that matches when a given regular expression does NOT match.
ResourceTreeMatchFunction	MatchFuction implementation that does "tail"

	matching on resources.
StringValueMatchFunction	Match function that does exact string matching.
StringValueNotMatchFunction	Match function that matches strings that are not the same.

Package edu.internet2.middleware.shibboleth.aa.attrresolv

Interface Summary	
AttributeDefinitionPlugIn	Defines an Attribute Definition PlugIn for the AA Attribute Resolver.
DataConnectorPlugIn	Defines a Data Connector PlugIn for the AA Attribute Resolver.
ResolutionPlugIn	Defines a plugin for the AA Attribute Resolver.
ResolverAttribute	Defines an attribute that can be resolved by the AttributeResolver.
ResolverAttributeSet	Defines a set of attributes that can be resolved by the AttributeResolver.

Class Summary	
AttributeResolver	An engine for obtaining attribute values for specified principals.
Dependencies	Contains resolved ResolutionPlugIn objects that a particular Attribute Definition PlugIn relies upon for its resolution.
ResolutionPlugInFactory	Factory that instanciates Resolution PlugIns based on Resolver configuration elements.
ResolverCache	Rudimentary mechanism for caching objects created by the various Resolution PlugIns.

Exception Summary

AttributeResolverException	Signals that an error occurred while the AttributeResolver was attempting to resolve the specified attributes.
ResolutionPlugInException	Signals that an error occurred while constucting or resolving a ResolutionPlugIn.

Package edu.internet2.middleware.shibboleth.aap

Interface Summary

AAP	Interface to attribute acceptance policy
AttributeRule	Specifies handling of a specific SAML attribute

Package edu.internet2.middleware.shibboleth.common

Interface Summary

CredentialResolver	Defines a method for loading a credential from a particular storage mechanism.
IdentityProvider	Defines a producer of SAML authentication and attribute assertions.
NameIdentifierMapping	Defines a mechanism for converting back and forth between SAML Name Identifiers and local LocalPrincipal objects.
RelyingParty	Defines a relationship between service providers and an identity provider.
ServiceProvider	Defines a consumer of SAML assertions.
Trust	Defines methodology for determing whether or not a system entity should trust the messages issued by another.

Class Summary

Credential	Used to prove identity or integrity of transmitted messages.
Credentials	Uses CredentialResolverimplementations to create Credentials.

LocalPrincipal	Shibboleth basic Principal ipmlementation for internal use.
NameMapper	Facility for managing mappings from SAML Name Identifiers to local LocalPrincipalobjects.
ResourceWatchdog	Watchdog thread that polls resources at a specified interval and takes actions as prescribed by implementors.
ServiceProviderMapper	Class for determining the effective relying party from the unique id of the service provider.
ServletDigester	This class is a jakarta Digester style parser that will pull schemas from /WEB-INF/schemas, if they exist.
ShibBrowserProfile	Basic Shibboleth POST browser profile implementation with basic support for signing
ShibResource	Manages access to shibboleth file-based resources in a consistent fashion.
XML	Utility class for XML constants

Exception Summary	
NameIdentifierMappingException	Indicates an error occurred while manipulating an instance of NameIdentifierMapping
ResourceWatchdogExecutionException	Signals that an error occurred while taking actions specified by implementors of ResourceWatchdog
ShibbolethConfigurationException	Signals that the a Shibboleth component has been given insufficient or improper runtime configuration paramerts.
UnsupportedProtocolException	Indicates that an error occurred before or during the processing of a SAML request/response exchange.

Package edu.internet2.middleware.shibboleth.idp

Interface Summary	
IdPProtocolHandler	Defines the processing for an IdP-supported protocol.

Class Summary	
IdPConfigLoader	Constructs a DOM tree for the IdP configuration XML file.
IdPProtocolSupport	Delivers core IdP functionality (Attribute resolution, ARP filtering, Metadata lookup, Signing, Mapping between local & SAML identifiers, etc.) to components that process protocol-specific requests.
IdPResponder	Primary entry point for requests to the SAML IdP.
ProtocolHandlerFactory	Factory class for loading ProtocolHandler implementations based on xml configuration.

Package edu.internet2.middleware.shibboleth.resource

Class Summary	
AuthenticationFilter	Servlet Filter to provide Shibboleth services to a Resource.

Package edu.internet2.middleware.shibboleth.serviceprovider

Class Summary	
AssertionConsumerServlet	Process the Authentication Assertion POST data to create a Session.
AttributeRequestor	A static class with a static method.
ContextListener	A ContextListener gets control from the Servlet Container before any Servlets or Filters are loaded.
FilterSupportImpl	Provide access from the Filter to the /shibboleth configuration and Sessions.
RequestTracker	Hold information about the current request in a ThreadLocal object.
ServiceProviderConfig	Load the configuration files into objects, index them, and return them on request.
ServiceProviderContext	Unique object through which all Service Provider objects and collections are found.
Session	Session object holds Authentication and Attribute

	Assertions for one remote Browser/User.
SessionManager	SessionManager manages the memory and disk Cache of Session objects.
ShibBinding	Wrapper for a SAMLBinding send/receive operation.
ShibHttpHook	During Attribute Query, SAML creates the HTTP(S) session with the AA.
SPArtifactMapper	A callback class that SAML calls when processing an Artifact.