

Web-Reader / Reader-core Documentation

Package and Class Documentation

`com.sismics.reader.core.service.FeedService`

Subsystem: Subscription and Content Subsystem

Core service responsible for RSS feed management and synchronization. Manages feed synchronization with scheduled updates, handles feed parsing and article extraction, maintains feed metadata and content, and manages feed subscriptions and updates.

`com.sismics.reader.core.service.IndexingService`

Subsystem: Feed Organization Subsystem

Manages article indexing and search functionality. Maintains Lucene search index, handles article search queries, manages index rebuilding and optimization, and provides directory management for search indices.

`com.sismics.reader.rest.resource.SubscriptionResource`

Subsystem: Subscription and Content Subsystem

Manages feed subscriptions through REST endpoints. Handles feed subscription CRUD operations, manages feed imports and exports, handles favicon operations, and provides subscription listing and filtering.

`com.sismics.reader.rest.resource.ArticleResource`

Subsystem: Subscription and Content Subsystem

Manages article operations through REST endpoints. Handles article reading states, manages article metadata, and provides article content access.

`com.sismics.reader.rest.resource.AllResource`

Subsystem: Subscription and Content Subsystem

Provides aggregated article views through REST endpoints. Retrieves all articles with pagination, manages bulk article operations, and provides unified article access.

`com.sismics.reader.rest.resource.CategoryResource`

Subsystem: Feed Organization Subsystem

Manages feed categories through REST endpoints. Handles category CRUD operations, manages category ordering, and provides category listing.

com.sismics.reader.rest.resource.StarredResource

Subsystem: Feed Organization Subsystem

Manages starred articles through REST endpoints. Handles article starring/unstarring, provides starred article listing, and manages bulk star operations.

com.sismics.reader.rest.resource.SearchResource

Subsystem: Feed Organization Subsystem

Provides search functionality through REST endpoints. Handles article search queries, manages search results pagination, and integrates with IndexingService.

com.sismics.reader.rest.resource.UserResource

Subsystem: User Management Subsystem

Manages user operations through REST endpoints. Handles user registration and authentication, manages user preferences, and provides user information.

com.sismics.reader.rest.resource.ThemeResource

Subsystem: User Management Subsystem

Manages UI themes through REST endpoints. Lists available themes, handles theme selection, and validates theme settings.

com.sismics.reader.rest.resource.LocaleResource

Subsystem: User Management Subsystem

Manages localization through REST endpoints. Lists available locales, handles locale selection, and manages language preferences.

com.sismics.rest.exception.*

Subsystem: Core Infrastructure

Contains exceptions that can be thrown by the REST layer.

com.sismics.rest.resource.GenericExceptionMapper

Subsystem: Core Infrastructure

Converts all unknown exceptions into `ServerError`.

`com.sismics.rest.util.*`

Subsystem: Core Infrastructure

Contains utility classes for JSON (adding a key-value pair to a JSON object) and validation (email, URL, alphanumeric, date, etc.).

`com.sismics.security.IPrincipal`

Subsystem: User Management Subsystem

Interface for the principal object.

`com.sismics.security.AnonymousPrincipal`

Subsystem: User Management Subsystem

Principal object for anonymous users.

`com.sismics.security.UserPrincipal`

Subsystem: User Management Subsystem

Principal object for authenticated users.

`com.sismics.rest.util.filter.SecurityFilter`

Subsystem: User Management Subsystem

Abstract security filter for user authentication, that injects corresponding users into the request. Successfully authenticated users are injected as `UserPrincipal`, or as `AnonymousPrincipal` otherwise. If a user has already been authenticated for the request, no further authentication attempt is made.

`com.sismics.rest.util.filter.HeaderBasedSecurityFilter`

Subsystem: User Management Subsystem

A header-based security filter that authenticates a user using the "X-Authenticated-User" request header as the user ID.

`com.sismics.rest.util.filter.TokenBasedSecurityFilter`

Subsystem: User Management Subsystem

Used to authenticate the user having an active session via an authentication token stored in

database. The filter extracts the authentication token stored in a cookie. If the cookie exists and the token is valid, the filter injects a `UserPrincipal` into a request attribute. If not, the user is anonymous, and the filter injects a `AnonymousPrincipal` into the request attribute.

`com.sismics.rest.util.filter.RequestContextFilter`

Subsystem: Core Infrastructure

Used only for test purposes.

`com.sismics.reader.core.util.ArticleAssembler`

Subsystem: Subscription and Content Subsystem

Converts articles to JSON format. Assembles article DTOs, formats article data, and provides JSON conversion.

`com.sismics.reader.core.util.LuceneUtil`

Subsystem: Feed Organization Subsystem

Manages Lucene operations. Handles index optimization, manages index rebuilding, and provides search utilities.

`com.sismics.reader.core.util.ValidationUtil`

Subsystem: User Management Subsystem

Handles input validation. Validates themes, locales, passwords, and user inputs.

`com.sismics.reader.core.util.UserUtil`

Subsystem: User Management Subsystem

User-related utilities. Manages user context, provides user information, and handles user-specific operations.

`com.sismics.reader.core.util.EntityManagerUtil`

Subsystem: Core Infrastructure

Manages JPA entity operations. Provides entity manager access, handles entity flushing and clearing, and manages entity persistence context.

`com.sismics.reader.core.util.TransactionUtil`

Subsystem: Core Infrastructure

Handles database transactions. Manages transaction boundaries, provides commit and rollback

operations, and handles transaction error cases.

com.sismics.reader.core.util.StreamUtil

Subsystem: Core Infrastructure

Handles HTTP stream operations. Manages input stream copying, calculates stream lengths, and handles stream utilities.