

SPI Implementations

Table of Contents

SPI modules provide implementations of SPIs defined by the Apache Isis framework itself. As the table below shows, these are typically for cross-cutting concerns such as auditing.

| Module | Description | Implements (SPI) | 3rd party dependencies |
|-------------------------------------|---|---------------------------------------|------------------------------|
| Audit | Persists records of changes (one record per changed property) using an AuditEntry entity. | AuditerService | (none) |
| Command | Persist action invocations and property edits as CommandJdo entities. This enables profiling and (in conjunction with the Audit module) enhanced auditing. | CommandService | (none) |
| ErrorReportingJira | Whenever the error page is displayed to the user, automatically log the details in JIRA and provide the ticket details to the end-user. | ErrorReportingService | Jackson |
| ErrorReportingSlack | Whenever the error page is displayed to the user, automatically post the details to a Slack channel and display a random image. The default implementation shows a random kitten (!), but this can be customised. | ErrorReportingService | Slack module |
| PublishMQ | Submits an XML representation of member interactions (action invocations and property edits) to an <i>Apache ActiveMQ</i> queue. | PublisherService | ActiveMQ |

| Module | Description | Implements (SPI) | 3rd party dependencies |
|-----------------|---|---------------------------------|--|
| Security | Provides the ability to manage users, roles, and permissions, by way of an <i>Apache Shiro</i> realm. Users have roles, roles have permissions, and permissions are associated with application features (derived from the Apache Isis metamodel). Permissions themselves can either <i>allow</i> or <i>veto</i> the ability to <i>view</i> or <i>change</i> any application feature. | Authenticator & Authorizer SPIs | Apache Shiro |
| SessionLogger | Persists session entries representing users logging in or out of the application. | SessionLoggingService | (none) |
| UserImpersonate | Allow the logged-in user to be switched dynamically, ie to impersonate some other user. Intended for prototyping and demos only. | UserService | ServletAPI module; Security SPI module |