

# SPI Implementations

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# Audit SPI Implementation

- **1.14.1** - released against Isis 1.14.0, fixes [#5](#) and [#6](#).
- **1.14.0** - released against Isis 1.14.0
- **1.13.0** - updated for Isis 1.13.0, implementing the new **AuditerService** SPI rather than the now deprecated **AuditingService3** SPI.
- **1.12.1** - released against Isis 1.12.1, providing 'Metadata' fieldset, also using lombok and mixins internally
- **1.12.0** - released against Isis 1.12.0
- **1.11.0** - released against Isis 1.11.0
- **1.10.0** - released against Isis 1.10.0
- **1.9.0** - released against Isis 1.9.0; changed mapped of entities to 'isisaudit' schema; updated to use AppManifest
- **1.8.2** - released against Isis 1.8.0; closes [#1](https://github.com/isisaddons/isis-module-audit/issues/1)
- **1.8.1** - released against Isis 1.8.0 (fixed).
- **1.8.0** - released against Isis 1.8.0 (nb: this was a bad release, incorrectly referenced -SNAPSHOT version of Isis core).
- **1.7.0** - released against Isis 1.7.0
- **1.6.0** - re-released as part of isisaddons, with classes under package **org.isisaddons.module.audit**

## Data Migration

The format of the **AuditEntry** table has changed from **1.12.x** to **1.13.x**, incorporating a new **sequence** column (which is also part of the primary key).

The following script updates the table (SQL Server syntax):

```

alter table isisaudit.AuditEntry
  add "sequence" int
go

update isisaudit.AuditEntry
  set "sequence" = 0
  where "sequence" is null
go

alter table isisaudit.AuditEntry
  alter column "sequence" not null
go

drop index AuditEntry_ak
  on isisaudit.AuditEntry
go

create index AuditEntry_ak
  on isisaudit.AuditEntry
(
  transactionId ASC,
  "sequence"    ASC,
  target        ASC,
  propertyId    ASC
)
go

```

## Relationship to Apache Isis Core

Apache Isis Core 1.6.0 included the `org.apache.isis.module:isis-module-audit-jdo:1.6.0` Maven artifact. This module is a direct copy of that code, with the following changes:

- package names have been altered from `org.apache.isis` to `org.isisaddons.module.audit`
- the `persistent-unit` (in the JDO manifest) has changed from `isis-module-audit-jdo` to `org-isisaddons-module-audit-dom`

Otherwise the functionality is identical.

Apache Isis 1.7.0 (and later) no longer ships the `org.apache.isis.module:isis-module-audit-jdo` module; use this addon module instead.

# Command SPI Implementation

- **1.14.0** - released against Isis 1.14.0
- **1.13.2** - released against Isis 1.13.0, fixes [#10](#), [#12](#), [#13](#)
- **1.13.1** - released against Isis 1.13.0, fixes [#9](#)
- **1.13.0** - released against Isis 1.13.0
- **1.12.1** - released against Isis 1.12.1; fixes [#7](#)
- **1.12.0** - released against Isis 1.12.0
- **1.11.0** - released against Isis 1.11.0
- **1.10.0** - released against Isis 1.10.0
- **1.9.0** - released against Isis 1.9.0; changed mapping of entities to use 'isiscommand' schema; using LONGVARCHAR for blobs;
- **1.8.1** - released against Isis 1.8.0 (fixed).
- **1.8.0** - released against Isis 1.8.0 (nb: this was a bad release, incorrectly referenced -SNAPSHOT version of Isis core).
- **1.7.0** - released against Isis 1.7.0
- **1.6.1** - [#1](#) (don't store bookmarks beyond 2000 characters)
- **1.6.0** - re-released as part of isisaddons, with classes under package `org.isisaddons.module.command`

## Relationship to Apache Isis Core

Isis Core 1.6.0 included the `org.apache.isis.module:isis-module-command-jdo:1.6.0` Maven artifact. This module is a direct copy of that code, with the following changes:

- package names have been altered from `org.apache.isis` to `org.isisaddons.module.command`
- the `persistent-unit` (in the JDO manifest) has changed from `isis-module-command-jdo` to `org-isisaddons-module-command-dom`
- a copy-n-paste error in some of the JDO queries for `CommandJdo` have been fixed

Otherwise the functionality is identical; warts and all!

Isis 1.7.0 (and later) no longer ships with `org.apache.isis.module:isis-module-command-jdo`; use this addon module instead.

# PublishMQ SPI Implementation

- 1.14.0 - released against Isis 1.14.0
- 1.13.0 - released against Isis 1.13.0
- 1.12.0 - released against Isis 1.12.0
- 1.11.0 - released against Isis 1.11.0
- 1.10.0 - released against Isis 1.10.0
- 1.9.0 - released against Isis 1.9.0

# Security SPI Implementation

- **1.14.0** - released against Isis 1.14.0
- **1.13.6** - released against Isis 1.13.0, closes [#47](#) (change `ApplicationUser#getTenancy()` to just `#getAtPath()`) and [#51](#) (fixes breakage in 1.13.3 thru 1.13.5 where default `ApplicationTenancyPathEvaluator` not correctly installed)
- **1.13.5** - released against Isis 1.13.0, closes [#30](#) (clone user) and [#49](#) (disable autocreate of delegate users)
- **1.13.4** - released against Isis 1.13.0, closes [#41](#) (action semantics) and [#42](#) (bulk deletion of orphaned permissions)
- **1.13.3** - released against Isis 1.13.0, closes [#40](#) (generalized `ApplicationTenancyPathEvaluator` SPI)
- **1.13.2** - released against Isis 1.13.0, closes [#39](#) (rename `orphanedPermissions` to `findOrphanedPermissions`)
- **1.13.1** - released against Isis 1.13.0, closes [#38](#) (list all orphaned permissions)
- **1.13.0** - released against Isis 1.13.0
- **1.12.2** - released against Isis 1.12.1; closes [#32](#) (can't create new user)
- **1.12.1** - released against Isis 1.12.1; converted to use 1.12.x constructs
- **1.12.0** - released against Isis 1.12.0
- **1.11.0** - released against Isis 1.11.0
- **1.10.0** - released against Isis 1.10.0
- **1.9.0** - released against Isis 1.9.0; closes [#18](#), [#17](#), [#16](#), [#15](#), [#14](#), [#13](#), [#12](#) (mapping entities to 'isissecurity' schema);
- **1.8.1** - released against Isis 1.8.0; closes [#11](#).
- **1.8.0** - released against Isis 1.8.0. `ApplicationTenancy` extended to support hierarchical tenancies, with path as primary key (nb: breaking change), support to make easier to extend (pluggable factories and events for all actions). `MeService` on TERTIARY menuBar; [#10](#)
- **1.7.0** - released against Isis 1.7.0
- **1.6.2** - made more resilient so can be called by an application's own 'security seed' service
- **1.6.1** - support for account types and delegated authentication realm
- **1.6.0** - first release

# SessionLogger SPI Implementation

- **1.14.0** - released against Isis 1.14.0
- **1.13.1** - released against Isis 1.13.0, fixes [ticket #7](#)
- **1.13.0** - released against Isis 1.13.0
- **1.12.1** - released against Isis 1.12.1, updating to current programming model.
- **1.12.0** - released against Isis 1.12.0
- **1.11.0** - released against Isis 1.11.0
- **1.10.0** - released against Isis 1.10.0
- **1.9.0** - released against Isis 1.9.0
- **1.8.2** - released against Isis 1.8.0
- **1.8.1** - released against Isis 1.8.0; further CI grief.
- **1.8.0** - released against Isis 1.8.0; dom module OK, but problem with CI/support files