Release Notes 5.2.0

Tapestry 5.2.0 represents nearly a year of work past the prior stable release, 5.1.0.5. For the most part, the upgrade is quite straight forward, but please read the notes below carefully.

Live Service Reloading

Tapestry 5.2.0 extends Tapestry's concept of live reloading of Java code into the service layer. In most cases, service implementations of your application will now live reload, seamlessly. See the FAQ for some additional notes about live reloading.

Pages No Longer Pooled

This is a huge change from Tapestry 5.1 to 5.2; Tapestry no longer pools page instances. It creates **one** instance of each page (per supported locale). Tapestry rewrites your component classes so that all mutable state is stored in a per-thread HashMap. This will greatly reduce Tapestry's memory footprint, especially on heavily loaded sites.

This change makes it easier to share objects between threads, which is problematic when the objects are not thread-safe. For example:

Valid Component Code (5.1)

```
@Inject
private Locale locale;

private final DateFormat format = DateFormat.getDateInstance(DateFormat.MEDIUM, locale);

public String getCurrentTimeFormatted()
{
   return format.format(new Date());
}
```

In the above code, *under 5.1*, the DateFormat object was not shared between threads, as each thread would operate with a different instance of the containing page. Under 5.2, the final field *will* be shared across threads, which is problematic as DateFormat is not thread safe. The code should be rewritten as:

Updated for 5.2

```
@Inject
private Locale locale;

public String getCurrentTimeFormatted()
{
    DateFormat format = DateFormat.getDateInstance(DateFormat.MEDIUM, locale);
tapestry.page-pool-enabled
    return format.format(new Date());
}
```

If such issues are difficult to solve, remember that as a temporary work-around you have the option of re-enabling the page pooling behavior of 5.1 by setting tapestry.page-pool-enabled to "true" in your configuration.

Service Id Injection

In prior releases of Tapestry, a constructor parameter of type String was assumed to be the service id. In the many cases where these was not the case (such as using the @Value or @Symbol annotation), the parameter needed to be annotated with the @Inject annotation.

Starting in 5.2.0, this feature is no longer present (this is a *non-backwards compatible change*, but one that affects virtually nobody). A parameter of type String will be subject to normal injection; you will likely want to use @Value or @Symbol with it, or you will see an error that "No service implements java. lang.String.".



Igor made a change such that a bare String is injected as the service id in some circumstance; it may be decorator methods. This needs to be documented properly.

TranslatorSource

The configuration type for TranslatorSource has changed in an *incompatible* way: from an unordered collection to a mapped collection; this is to support overrides of Tapestry's

built-in translators. This will break existing module classes that contribute to the TranslatorSource service configuration.

Assets

There have been some changes to how assets operate in Tapestry 5.2.

Virtual folders, used to define root packages for component libraries, may no longer contain slashes. Virtual folders are the pathPrefix property of the LibraryMapping objects that are contributed to the ComponentClassResolver service.

Each LibraryMapping is now automatically converted into a matching contribution to the ClasspathAssetAliasManager service. Previously a library author was encouraged to make contributions to both services. The path prefix of a LibraryMapping is also now prohibited from containing the slash character.

It is now quite necessary to configure the application version number: all assets are exposed via a URL that incorporates the application version number; in previous releases, each library could configure its own version number. By implication, changing library versions and nothing else will now require a change to the application version number.

ClassTransformation API changes

The ClassTransformation API, used to implement component meta-programming, has been rewritten with an eye to making class transformations easier to implement while removing the dependency on the Javassist library. This is of note only to *advanced* users who have implemented ComponentClassTransformWorkers, which operate on the ClassTransformation API.

Much of the existing API has been deprecated and *some* deprecated methods are now non-functional. The deprecated methods will be removed in Tapestry 5.3.

This represents a shift in how the API operates; previously much of the logic in ComponentClassTransformWorkers was built in terms of Javassist: adding new bytecode to existing methods. The new API switches away from this, and now works in terms of adding new fields, initializing those fields using callbacks, providing callbacks for access to fields, and adding advice to methods.

Template Parser back to SAX

Tapestry no longer uses a StAX parser to parse component templates, it has reverted to using a normal SAX parser. This change reduces the number of dependencies for Tapestry, and is a stepping stone towards compatibility with Google App Engine.

Bugs Fixed

- TAP5-266 In a conflict between a render phase annotation and the naming convention, the explicit annotation should win
- TAP5-707 Yellow highlight remains on updated zone if zone is re-updated too quickly
- TAP5-711 Submit component: using image parameter prevents selected event from being fired
- TAP5-714 Incorrect encoding of single quotes for Ajax requests
- TAP5-715 TypeCoercer explain incorrectly reports the plan to coerce from primitive types to wrapper types
- TAP5-719 Component LinkSubmit doesn't work
- TAP5-728 When using the @Validate annotation, spaces around the commas that separate contraints cause runtime exceptions
- TAP5-734 Tapestry tutorial documentation refers to old archtype command
- TAP5-747 Property expressions that include method invocations that in turn reference properties result in spurious error about "root"
- TAP5-748 NPE when defining a component using just t:id and no type or @Component annotation
- TAP5-749 The FormFragment and LinkSubmit components create a hidden field whose id ends with ":hidden"
- TAP5-750 Tapestry should not attempt to GZip flash movies (.swf files)
- TAP5-755 URL rewriting documentation contains an example that won't compile due to lack of a return value
- TAP5-759 The documentation of DefaultNullFieldStrategy#replaceFromClient() is wrong about what gets returned
- TAP5-765 Included JavaScript libraries are not properly uniqued within an Ajax partial update response
- TAP5-767 PropertyConduitSourceImpl should use english locale (instead of default locale) when evaluating decimals
- TAP5-769 JavaScript aggregation can be inefficient across multiple pages with different JS requirements
- TAP5-774 Initialization JavaScript needs help when order counts
- TAP5-779 CLONE -Linksubmit doesn't work inside a form with Zone parameter set
- TAP5-786 Exception messages in the pageload packages should be localized
- TAP5-787 AbstractIntegrationTest's "assertTextPresent" only checks the first value
- TAP5-788 ParallelExecutor service throws RejectedExecutionException if more then THREAD_POOL_MAX_SIZE jobs are submitted
- TAP5-796 Form component generates invalid xHtml: there should not be the "name" attribute
- TAP5-812 The input validation documentation incorrectly shows validation occuring in the success event handler method
- TAP5-813 the component rendering page of the user guide is not generated by maven
- TAP5-815 Asset dispatcher allows any file inside the webapp visible and downloadable
- TAP5-823 Message about incompatible return type of a render phase method is misleading
- TAP5-824 Javasisst 3.9.0.GA not available from central repository
- TAP5-830 SpringModuleDef unnecessarily hard-codes that the type of object stored in the context as a ConfigurableWebApplicationContext when any object implementing ApplicationContext is sufficient
- TAP5-834 BaseOptimizedSessionPersistedObject does not work correctly with Tomcat & Jetty
- TAP5-837 prototype1.6.0 not support for ie8
- TAP5-839 Tapestry should ignore (public) synthetic methods in module classes
- TAP5-856 MetaDataLocatorImpl.findMeta(String, String, Class) doesn't check contributed defaults breaks SECURE_PAGE contributions
- TAP5-868 It is not possible to attach a validation event listener to a Palette (or other <select> field)
- TAP5-871 Generation of Component Reference failed on Windows
- TAP5-881 Tapestry's customized Blackbird implementation sends a dubious cookie value over every request
- TAP5-894 Fix PartialMarkupDocumentLinkerTest.stylesheet_link()

- TAP5-896 Contribute 'properties' file extension to the configuration of ResourceDigestGenerator
- TAP5-898 BeanModel methods reorder, include and exclude should return BeanModel<T> (not BeanModel<?>)
- TAP5-908 Blackbird console should not add cookies to requests
- TAP5-913 Stack size too large exception, related to PropertyExpressionLexer
- TAP5-919 Calling MarkupWriter element() with an even number of arguments throws ArrayIndexOutOfBounds exception, not a useful exception about omitting a attribute name or value
- TAP5-923 Injeting Tapestry Services to Spring Beans is completely undocumented
- TAP5-936 Tapestry wiki link links to nothing for locales other then en
- TAP5-937 LinkImpl does not handle parameters properly when passed into the constructor
- TAP5-940 Zone should fire a heart beat event
- TAP5-943 Documentation for event handler methods should go into detail about returns true or false
- TAP5-944 When a ValueEncoder is unable to convert an id to a entity, it should wrap the underlying type coercion exception to describe the input and expected output type
- TAP5-945 Unnecessary and severe lock contention in PerthreadManagerImpl
- TAP5-947 Default name "submit" for submit component breaks javascript function submit()
- TAP5-959 Ajax event handler methods that return a page instance, page class or page name should cause the client to redirect to that page, but doesn't work in IE7 or 8 if the URL has a query param
- TAP5-961 When a URL rewriting rule changes the path for a rendered link (component event or page render), any query parameters associated with the original link are lost
- TAP5-962 Errors component includes an @Environmental for FormSupport, but doesn't use it
- TAP5-964 Exception report failed to render due to NPE inside session-persisted objects' toString()
- TAP5-974 PageCallback should be marked with the @ImmutableSessionPersistedObject annotation
- TAP5-987 In some cases you can invoke Form recordError() and the Form will still fire a success (not a failure) event
- TAP5-1001 Garbled exception message when a component is defined in a namespace that is not properly defined as a Tapestry library namespace
- TAP5-1018 Request to Application Root path ignores ComponentRequestFilter's
- TAP5-1019 French translations for number format error message
- TAP5-1020 Fix typo in tapestry-hibernate/src/site/apt/userguide.apt: HibernateTransactionAdviser should be HibernateTransactionAdvisor
- TAP5-1030 Injecting a Logger into a non-service object, created as part of constructing a service configuration, should work but doesn't
- TAP5-1031 NPE from Any component when invoking getClientId() before the component renders
- TAP5-1034 Using URLRewriteRules will fail for component event links if the page has an activation context
- TAP5-1042 URLRewriting causes confusion about the incoming Request path, leading to incorrect optimized relative URLs
- TAP5-1043 PropertyDisplayBlocks causes NullPointerException when property of type Calendar is null
- TAP5-1047 @IncludeJavaScriptLibrary and @IncludeStylesheet may incorrectly calculate resources in component sub-classes
- TAP5-1052 Component classes page of the guide should be much more specific that only component classes go in pages, components, etc.
- TAP5-1054 Not able to pass an empty string as appName to PageTester
- TAP5-1057 XSS vulnerability in calendar component
- TAP5-1060 In IE8, forms that should submit using Ajax are triggering full page requests due to a client-side JavaScript error
- TAP5-1067 Created component constructor may use too many parameters
- TAP5-1068 RenderSupport.addScriptLink(String) deprecated and removed without replacement
- TAP5-1069 Tapestry POM should reference only the Apache Nexus repository, not the tapestry formos.com repository
- TAP5-1074 The @QueryParameter annotation uses TypeCoercer to convert from request parameter strings to method parameter values, it should use the ValueEncoder
- TAP5-1075 When a template contains a reference to an unknown component, the new UnknownValueException is reported but the Location is no longer reported, making it much harder to determine where the error occurred
- TAP5-1076 When a service implementation is reloadable, it will not eager load
- TAP5-1080 Page activation context lost when redirecting from HTTP to HTTPS due to the @Secure annotation
- TAP5-1086 Localized root path request results in a 404 error if Index page is not available
- TAP5-1088 Bean editor model for <class name> already contains a property model for property property name> when combining model parameter with add parameter of BeanEditor or BeanEditForm
- TAP5-1090 Deleting a live-reloaded class can result in a non-descriptive "Parameter url was null." exception
- TAP5-1096 If a Zone's id parameter is bound, then the clientld property should return that value, even before the Zone renders
- TAP5-1100 On ajax request, template body doesn't render if page is new in pagepool or if server restarted
- TAP5-1105 BeanModelSource should recognize public field as properties, but doesn't
- TAP5-1106 Tapestry ajaxFailureHandler has an incorrect signature for an Ajax Request onException callback
- TAP5-1109 Updating multiple zones within a Form creates anomalous empty text fields
- TAP5-1110 Tapestry holds onto the verbose descriptions of component class transformations, causing a memory leak
- TAP5-1116 Live lock when using compressed and virtual assets due to ByteArrayOutputStream being synchronized
- TAP5-1120 It is not possible to override the default Translator contributions to the TranslatorSource service
- TAP5-1124 FormEventManager.setSubmittingElement(element) creates input element with type="input"
- TAP5-1128 A space is added to a HTML start comment sequence making it impossible to add IE conditional comments
- TAP5-1130 LinkSubmit component doesn't work when form contains Select component with default id
- TAP5-1136 java.lang.UnsupportedOperationException from UpdateListenerHub when a weak reference is reclaimed TAP5-1137 Dynamically adding JavaScript libraries to a page via a partial page update does not seem to work consistently in Safari and Chrome
- TAP5-1138 ClassTransformation deprecated a bunch of methods, then refers to replacements that don't exist
- TAP5-1141 Type coercion from arbitrary object to Boolean will NPE when the object's toString() returns null (should coerce to false)
- TAP5-1145 Writing only text (or raw text) into a Document via MarkupWriter results in [empty Document], not the actual text
- TAP5-1147 Ajax updates under IE leak lots of memory
- TAP5-1154 ValidationDecorator.insideField not called for Select component
- TAP5-1156 Provide a ValueEncoder for a Hibernate entity automatically only if a mapped class exists
- TAP5-1158 Captured HTML from failed Selenium assertions do not get stored in the correct place on Windows
- TAP5-1161 Tapestry 5.1 seems incompatible with Spring 3
- TAP5-1166 ClassPropertyAdapterImpl should skip static fields
- TAP5-1182 javax.management prevents Tapestry apps from being deployed on GAE
- TAP5-1185 Upgrade to latest Javassist version to avoid LocalVariableTable exceptions (especially on Google App Engine)
- TAP5-1198 A user defined activate event handler appears to execute *before* the event handler supplied by @PageActivationContext, making defensive coding impossible
- TAP5-1203 Use of @Contribute annotation does not work properly with marker annotations

- TAP5-1207 A form control component (such as TextField) whose id is "id" can confuse client-side logic for the Form DOM object
- TAP5-1209 Marker annotations used with services that have contributions should be applicable to methods (as well as fields and parameters)
 for compatibility with @Contribute
- TAP5-1210 MultiZone update from EventLink with Form fails in Internet Explorer
- TAP5-1211 LinkSubmit broken in IE 7 mode
- TAP5-1216 ValueEncoderSource does not define a @UsesMappedConfiguration annotation
- TAP5-1223 The name "JavaScript" should have a capital "S" but is inconsistent in some class and interface names
- TAP5-1224 When contributing to a service using a "contribute" method, the service id from the method name now matches case-sensitively to
 the service id (it should be case insensitive)
- TAP5-1262 XSS vulnerability in calendar component (apply to 5.1.0.x)
- TAP5-1282 Form component generates invalid xHtml: there should not be the "name" attribute Applied to 5.1

Improvements Made

- TAP5-69 Add annotation, @Contribute, to allow service contributor methods to be arbitrary named
- TAP5-88 Add support for Bulgarian locale
- TAP5-179 The TriggerFragment mixin would be more useful if it could invert its logic, i.e., make a a fragment visible when a checkbox was turned off
- TAP5-247 Move all Tapestry 5 configuration keys to a constant class
- TAP5-335 Provide access to annotations of service implementation class
- TAP5-424 Allow component libraries to contribute extra resources to the global application catalog
- TAP5-632 Property names (in property expressions) should be able to read or update public variables
- TAP5-674 Make it easy to implement a page callback mechanism
- TAP5-678 Allow blackbird to be disabled in production mode
- TAP5-685 Allow services defined by module tapestry-ioc to be advised and decorated
- TAP5-713 Change template parser to not use StAX, as it is not (yet) compatible with Google App Engine
- TAP5-760 The Form event "validateForm" is awkwardly named and should be replaced with the simpler name "validate"
- TAP5-762 Upgrade Selenium dependencies to version 1.0.1
- TAP5-764 Hidden should support ClientElement and support informal parameters.
- TAP5-777 Tapestry should ensure that mixins are applied in a deterministic order.
- TAP5-783 tapestry should mark via annotation which annotations are component-specific vs. more general
- TAP5-789 Provide bean and display blocks for java.util.Calendar
- TAP5-790 Provide ApplicationStatePersistenceStrategy for Hibernate entities
- TAP5-803 ProgressiveDisplay should include a read-only body property of type Block, just like Zone
- TAP5-807 PageRenderLinkSource should add additional methods for creating a Link when you have the page's activation context as an EventContext
- TAP5-810 Improve documentation of @Persist annotation
- TAP5-811 Layout component documentation is not very clear about directory structure
- TAP5-814 include a diagram showing how incoming requests pass through the different pipelines, filters and dispatchers
- TAP5-826 The ActionLink documentation is missing the option to use object arrays as context inside templates
- TAP5-859 In a stack trace, any lines associated with line #1 of a class are likely to be synthetic methods and should be classified as "uninteresting"
- TAP5-863 Tapestry.ajaxRequest is insufficient when doing extra, such as adding query parameters
- TAP5-884 Introduce a symbol for tapestry is
- TAP5-887 Easier way to initialize a JSONObject with keys and values
- TAP5-889 Provide fluent API for order constraints of contributions
- TAP5-904 Make use of Selenium.showContextualBanner() when running integration tests
- TAP5-905 Tapestry should support the full range of Unicode characters acceptible by Java as property names
- TAP5-912 Validation of properties of type java.util.Collection should fail when the collection is empty
- TAP5-914 When autobuilding a Java bean (such as a Session State Object), the code should use the OperationTracker
- TAP5-915 It should be possible to override a components message catalog
- TAP5-917 Don't set Expires header when tapestry.production-mode is false
- TAP5-927 Cannot use Scala for Tapestry IOC Modules
- TAP5-948 Built-in mechanism to identify self-referential links and/or event/render requests
- TAP5-958 Upgrade Tapestry's built-in copy of prototype.js to version 1.6.1
- TAP5-963 Allow access to static resources (css, js, jpg, jpeg, png, gif) inside the app package
- TAP5-965 Upgrade EasyMock dependency to release 2.5.2
- TAP5-967 ObjectLocator autobuild would be more useful with an override that allowed a message about the object to be described
- TAP5-971 FormFragment component should include a parameter to control whether non-visible content is included in the form submission
- TAP5-978 Provide remote management of the page pool settings
- TAP5-979 Form component should be more careful with the validation tracker to ensure that a session is not created unless needed
- TAP5-993 Reorganize ComponentClassTransformWorkers to start moving away from Javassist
- TAP5-994 Field autofocus should be done via Tapestry init instead of using \$ function
- TAP5-1000 When Autobuilding a class, the constructor to be used should be identified in the trace output
- TAP5-1014 Message about missing or wrong retention policy of a marker annotation is misleading
- TAP5-1015 Provide a new return type for event handler methods that would trigger the rendering of a particular page without a redirect
- TAP5-1023 (5.2.0-SPNAPSHOT Maven dependencies) tapestry-hibernate-5.2.0 jar generated with tapestry-hibernate-5.2.0-yyyyMMdd. hhmmss-?.jar > tapestry-hibernate-5.2.0-SNAPSHOT.jar whereas all other jar are using -5.2.0-SNAPSHOT
- TAP5-1024 Submit component should allow return values from event handler methods triggered by its event
- TAP5-1033 Upgrade selenium dependencies to 1.0.3
- TAP5-1036 It would be nice if there was a way for committers to run individual integration tests again
- TAP5-1037 Rewrite URLRewriter integration tests to use new SeleniumTestCase instead of deprecated AbstractIntegrationTestSuite
- TAP5-1038 Rewrite live reload integration tests to use new SeleniumTestCase instead of deprecated AbstractIntegrationTestSuite
- TAP5-1046 Change Tapestry client-side JavaScript to make the tapx/Confirm component easier to implement
- TAP5-1050 Add API to prevent a particular service implementation from being live reloaded
- TAP5-1055 Provide hook to post-process properties files before rolling them into component Messages
- TAP5-1061 When a Zone component sends an Ajax request for a client-side update, it should pass an extra query parameter identifying the zone's client-side id
- TAP5-1077 Merge symbol values into property values from a bean definition

- TAP5-1085 The ExceptionReporter should be configured to mark more of the Tapestry generated classes (used for method & field access and method advice) as hidden by default
- TAP5-1091 CLONE -Handler method of LinkSubmit component should accept a context
- TAP5-1094 Create a binding prefix, "symbol:", that is used to access IoC symbols
- TAP5-1112 Handle array types in property expressions
- TAP5-1126 Add a new validator, "none", used when overriding the @Validate annotation
- TAP5-1127 Documentation for the Submit and LinkSubmit components should identify that you should cancel defer when inside a Loop
- TAP5-1129 LinkSubmit should render minimally (and as tag) and then fill in the details on the client
- TAP5-1132 HibernateGridDataSource should assign the result of Projections.rowCount() to java.lang.Number when determining the number of rows for the configured entity type
- TAP5-1135 Provide a convinient method to build and start the registry
- TAP5-1150 Refactor out a new base class between org.testng.Assert and org.apache.tapestry5.ioc.test.TestBase for non-mock related tests
- TAP5-1152 TypeCoercer should include a method exposing the coercion it would use for a given source and target type
- TAP5-1153 When in development mode, Tapestry should pretty-print JSON content
- TAP5-1155 JavaScript initialization inside the partial page render Ajax response should be unquoted
- TAP5-1157 Client-side exceptions during Tapestry init() should be caught and reported with the console
- TAP5-1165 Make better use of the OperationTracker to identify what's going on during a request (and especially, during page construction)
- TAP5-1170 Remove automatic injection of service id into parameters of type String
- TAP5-1174 Provide a ComponentEventResultProcessor that sends an error response to the client
- TAP5-1197 Eliminate page pooling using shared page instances that separate their structure from the mutable state
- TAP5-1225 Use recent Groovy/GMaven version and fix GMaven configuration in tapestry-core POM

New Features

- TAP5-52 Add Error component that presents validation errors of a single field
- TAP5-56 Tapestry should have support for IE conditional stylesheets
- TAP5-86 Add support for "cancel" submit buttons (which bypass client-side validation)
- TAP5-103 provide access to component parameters from within mixins
- TAP5-138 Add Zone parameter to Select component
- TAP5-152 Add @Translate annotation to define name of translator to be used with a bean property (rather than lookup by property type)
- TAP5-156 Add a @QueryParameter annotation for parameters to event handler method
- TAP5-226 Add annotation @SessionAttribute to map a field to a specific session attribute
- TAP5-680 Tapestry should provide a mixin for ensuring that the client id of a ClientElement is rendered
- TAP5-692 T5 should pick up validators to be applied to a field from the containing component's properties file.
- TAP5-801 Add Trigger component to trigger a component event during rendering
- TAP5-895 Tracking issue for Tapestry/JSR-303 integration
- TAP5-951 Create more flexible API for testing with Selenium that allows for multiple test cases to share a single instance of Selenium /SeleniumServer/Jetty
- TAP5-966 TapestryFilter should be able add additional modules to the Registry to accomidate different testing (or other) execution
- TAP5-1013 Live class reloading for service implementations
 TAP5-1028 Validator Macros: Combine multiple common validators into a single term
- TAP5-1035 In places where an invalid key is used to accessed a named value, Tapestry should report the possible names better (using HTML lists, rather than a long comma-separated string)
- TAP5-1056 The application global message catalog should be injectable into services
- TAP5-1064 Extend PropertyAccess to understand Scala style properties (which use a different naming convention than JavaBeans)
- TAP5-1065 Non-visual mixin to generate events as it begins/ends rendering (useful for generating matching JavaScript)
- TAP5-1079 Live class reloading should extend to proxied objects (such as from ObjectLocator.proxy()
- TAP5-1084 Zones that initially render inside a Form should support updates within the Form
- TAP5-1095 LocalizationSetter service should expose the supported locales as a list of Locale and as a SelectModel
- TAP5-1097 New annotation: @HeartbeatDeferred to mark component methods that should execute at the end of the current Heartbeat
- TAP5-1098 Provide new SelectModelFactory service that can automatically build a standard SelectModel from objects and property names
- TAP5-1099 Introduce public service responsible for handling page activation
- TAP5-1121 Provide an annotation to support automatic discarding of the persistent fields after a component or page method invocation
- TAP5-1159 Easy way to customize search locations for page and component templates
- TAP5-1190 New page-level events to "decorate" component event and page render links

Tasks Completed

- TAP5-11 CookiesImplTest does specify a domain cookie with a domain not prefixed with a . (dot)
- TAP5-556 Fix TranslatorSourceImplTest
- TAP5-756 Add ioko-tapestry-commons to the related projects list
- TAP5-819 remove ide-specific files from all sub-modules and add them to syn:ignore
- TAP5-969 Method AbstractField.createDefaultParameterBinding() should be deprecated
- TAP5-976 Upgrade Spring dependencies to version 3.0.0.RELEASE
- TAP5-1081 Remove formos references from 5.2.0 archetype
- TAP5-1087 Upgrade TestNG dependencies to version 5.12.1
- TAP5-1134 Upgrade Hibernate dependencies to 3.5.2
- TAP5-1195 Rename annotations @QueryParameter and @QueryParameterMapped (both introduced in 5.2.0) to more mnemonic names