

# MyTimetable 2019 release notes

The following additions and changes were made in the MyTimetable 2019 releases, listed from new to old. For significant new features or important changes, a link to a separate blog post will be available.

Version	Type	Description	More info
2019.25 (2019-11-03)	BUG	MSSQL JDBC configuration properties not all working correctly	
	BUG	attributesGrantedAuthoritiesProvider cannot be overridden	
	MAINTENANCE	S+ NG: use cached V_GLOBAL information for week labels and terms	
2019.24 (2019-10-30)	FEATURE	TermTime DP rework: exam activities	
	FEATURE	Publication rules: 'remove' size of activity	
	FEATURE	Support new OSIRIS authentication scheme	
	ENHANCEMENT	Missing index on subscription FindByTimetable	
	ENHANCEMENT	Option to disable condensing / group by weekly pattern	
	ENHANCEMENT	Replace jTDS with Microsoft JDBC driver	
	BUG	GWT: interface not showing correct list of filtered event types for sync	
	BUG	Mobile: activity size not showing in details	
	BUG	Admin menu does not show expanded items after navigation	
	BUG	Provisioning API: GET on user without attributes returns a NPE	
	BUG	EC remoting does not work with backslashes in usernames	
	BUG	ES: grouping of activities does not preserve custom attributes	
	BUG	API: cookie behaviour when requesting a timetable via an elevated token	
	BUG	Events moved by post-processing are not retrieved correctly	
	BUG	Admin Requests and errors statistics page misses proper headers on metrics graphs	
	BUG	GCal: large updates fail and/or are processed very slowly	
	BUG	GCal: sync tempfailing after user removes event	
	BUG	Export on overview page broken	
	BUG	EC: next recovery attempt always empty	
	BUG	Error handling duplicate events	
	MAINTENANCE	Remove 'deduplicate' and 'group' parameters from core getSchedule(..) methods	
	MAINTENANCE	Minimal Spring Boot implementation for MTT Web	
	MAINTENANCE	Linux systemd unit definition for Spring Boot	
	MAINTENANCE	EC: retrieve timetables from MTT web	
	MAINTENANCE	Remove statistics by scheme from admin panel	
	MAINTENANCE	Upgrade Resilience4j circuit breaker to 1.1.0	
	MAINTENANCE	Replace web.xml with WebApplicationInitializer	
	MAINTENANCE	Windows service support for MyTimetable web	
	MAINTENANCE	Replace deprecated SizeAndTimeBasedFNATP in Logback config	

	MAINTENANCE	Improve logging of TimetableIndexingTask	
	MAINTENANCE	Upgrade ical4j to 3.0.11	
	MAINTENANCE	Remove clustered profile from IDEA run configurations	
	MAINTENANCE	Merge admin modules into one	
	MAINTENANCE	Determine outdated dependencies	
<b>2019.23 (2019-09-30)</b>	FEATURE	Lookup implementation: datasource-based	
	ENHANCEMENT	Danish translations part deux	
	ENHANCEMENT	Update admin panel texts for notifications	
	ENHANCEMENT	O365 EC: handle ErrorInvalidUser as permanent failure	
	ENHANCEMENT	Remove exception based logic in MessageSourceChain	
	BUG	Presto: students timetables cannot be viewed when student is attached to multiple programmes	
	BUG	API roles should not use userprefs roles	
	BUG	Class documentation SqlLookup unfinished	
	BUG	Event misses students when grouping by module	
	BUG	'{bcrypt}' Typo in UPGRADE_NOTES.md	
	MAINTENANCE	Remove respond-minmax support	
	MAINTENANCE	Remove html5shiv support	
	MAINTENANCE	Fail gracefully if EC not available	
<b>2019.22 (2019-09-17)</b>	FEATURE	Lookup implementation: SQL-based	
	BUG	iCal timetables broken	
	MAINTENANCE	Upgrade mobile Bower dependencies	
	MAINTENANCE	Upgrade bower dependencies	
<b>2019.21 (2019-09-06)</b>	ENHANCEMENT	TermTime: Fine-tune circuitbreaker config	
	ENHANCEMENT	OAuth migration after Spring Security 5 upgrade	
	BUG	Removal loop in InfinispanInMemoryDataContainer#storeTimetables() is broken	
	BUG	Typo in MyTimetable DataSource class	
	BUG	Outdated link on the Unsupported browser page	
	MAINTENANCE	IRIS dataprovider fault handling	
	MAINTENANCE	Fine tune SQL connection properties	
<b>2019.20 (2019-08-30)</b>	BUG	Mobile: options/sequences not sorted	
<b>2019.19 (2019-08-29)</b>	FEATURE	Translate MyTimetable to Danish	
	FEATURE	Auth: flexible granted authorities provider	
	ENHANCEMENT	Consistently apply entity and timetabletype filters	
	ENHANCEMENT	MyTimetable EC Windows install instructions / scripts / service runner	
	ENHANCEMENT	TermTime: disable cookie/session management on API access	
	BUG	Error logged/incomplete response on 404 without session	

	BUG	iCal feed can be requested by user without authentication	
	BUG	S+ NG: SQL Server selecting wrong query plan for module timetable retrieval	
	BUG	Datasource label translation issue	
	BUG	Mobile events cannot be opened when sections enabled	
	BUG	Echo/notifications explanation texts shown in mobile/help	
	BUG	Message role filtering concurrency issue	
	BUG	Recording message shows safe:""	
	BUG	WebUntis data import task is locked	
	MAINTENANCE	Upgrade NodeJS to latest LTS	
	MAINTENANCE	Upgrade Yarn to 1.17.3	
	MAINTENANCE	Upgrade google-http-client-jackson2 to 1.31.0	
	MAINTENANCE	Upgrade google-oauth-client to 1.30.1	
	MAINTENANCE	Upgrade icu4j to 64.2	
	MAINTENANCE	Upgrade adal4j to 1.6.4	
	MAINTENANCE	Upgrade opensv to 4.6	
	MAINTENANCE	Upgrade JAX-B	
	MAINTENANCE	Upgrade commons-beanutils to 1.9.4	
	MAINTENANCE	Upgrade commons-io to 2.6	
	MAINTENANCE	Upgrade resilience4j-circuitbreaker to 0.17.0	
	MAINTENANCE	Upgrade Apache POI to 4.1.0	
	MAINTENANCE	Upgrade SonarQube Gradle Plugin to 2.7.1	
	MAINTENANCE	Upgrade Gradle to 5.6	
	MAINTENANCE	Upgrade Spring Boot to v2.1.7	
	MAINTENANCE	Remove Windows authentication support	
	MAINTENANCE	Remove AD attribute reader	
	MAINTENANCE	Upgrade commonmark-java to 0.13.0	
	MAINTENANCE	Upgrade google-api-services-calendar to 1.30.1	
2019.18 (2019-08-19)	FEATURE	WebUntis: make type of import configurable	
	FEATURE	WebUntis: import JSONRPC format	
	FEATURE	WebUntis API: periodically refresh timetable	
	FEATURE	WebUntis API: refresh timetable button in admin panel	
	FEATURE	Lookup implementation: REST API	
	FEATURE	WebUntis: merge consecutive periods based on period number	
	ENHANCEMENT	WebUntis API: decouple TSV format from import	
	ENHANCEMENT	Increase SAML user details flexibility	
	SECURITY	XSS in values in DataTables in admin panel	

	BUG	Untis import can be configured without password	
	BUG	API requests with unknown path extensions broken	
	BUG	Total count in audit log on user page incorrect	
	BUG	EC does not start when a WebUntis DS is configured	
	BUG	MyTimetable does not start due to saml.attribute.roles not being set	
	BUG	In-Memory DP: find by hostkey is not case insensitive	
	MAINTENANCE	Upgrade logstash-logback-encoder to v6.1	
	MAINTENANCE	Upgrade iCal4j to v3.x	
	MAINTENANCE	Implement type for data sources	
	MAINTENANCE	Upgrade jsoup to 1.12.1	
	MAINTENANCE	Upgrade ical4j	
	MAINTENANCE	Remove unused properties from (non default) resource bundles	
2019.17 (2019-07-27)	BUG	Error during Exchange/EWS sync	
2019.16 (2019-07-26)	FEATURE	API: add enrollment status	MyTimetable 2019.16: Provisioning enhancements, locale fixes and Java 11
	FEATURE	Add enrollment status to exported events	
	ENHANCEMENT	MyTimetable EC Linux install instructions / scripts	
	ENHANCEMENT	User locale should only be saved on explicit selection by user	
	ENHANCEMENT	Provisioning of additional user properties	
	ENHANCEMENT	Limit mirror store size by removing attributes	
	ENHANCEMENT	S+ NG: use cached globals information on empty view	
	ENHANCEMENT	Use request/cookie locale on invalid stored locale	
	ENHANCEMENT	Tweak schema of notifications	
	BUG	Option selection not working when other timetables have the same module	
	BUG	Bower does not prune old dependencies	
	BUG	Use of multiple TimetableSuggestionStrategies in EC is broken	
	BUG	API 401 returns incomplete page	
	SECURITY	Upgrade jQuery	
	SECURITY	Prevent reverse tabnabbing	
	MAINTENANCE	Upgrade to Spring Framework 5.x / Spring Boot 2.x	
	MAINTENANCE	AdoptOpenJDK 11 compatibility	
	MAINTENANCE	Upgrade to Spring Security 5	
	MAINTENANCE	Update IntelliJ configs for 2019.1 / make it work	
	MAINTENANCE	Upgrade to Flyway 5	
	MAINTENANCE	Remove old TermTime provider	
	MAINTENANCE	Upgrade to Gradle 5	
	MAINTENANCE	Typo in EchoResponseErrorHandler class name	
	MAINTENANCE	Use consistent/fixed data directory	

	MAINTENANCE	Remove OpenSSO authentication	
	MAINTENANCE	Remove CAS authentication	
	MAINTENANCE	Remove Zimbra authentication	
<b>2019.15 (2019-06-28)</b>	BUG	TermTime evaluates Event custom attributes for Bookings	
	BUG	DataTables Bootstrap styling is broken	
	BUG	EC sync does not update user subscriptions	
	BUG	Switching locales in admin panel triggers HTTP 500	
	SECURITY	Bootstrap upgrade	
	MAINTENANCE	Upgrade Thymeleaf to v3.0.11	
	MAINTENANCE	Upgrade Infinispan to version 9.4.15	
	MAINTENANCE	Upgrade Spring Dependency Management Plugin to v1.0.8	
	MAINTENANCE	Upgrade to HikariCP 3	
	MAINTENANCE	Upgrade Spring Security OAuth2	
	MAINTENANCE	Unintentional re-binding of AuthorizationRequest to request attributes in UserApprovalController	
<b>2019.14 (2019-06-24)</b>	FEATURE	TermTime DP rework: support room booking activity types	
	ENHANCEMENT	TermTime NG: ignore allday bit	
	BUG	TermTime NG: take building/campus into account when assigning child ID of building timetable	
	BUG	Bower not loading dependencies after upgrade	
	BUG	Localized property may fail depending on locale order	
	BUG	Do not notify EC of anonymous user subscription changes	
	MAINTENANCE	TermTimeNG: rename Timeframe.id field	
	MAINTENANCE	Upgrade Gulp dependencies	
	MAINTENANCE	Upgrade Spring Security OAuth	
	MAINTENANCE	Upgrade Moment.js	
	MAINTENANCE	Upgrade handlebars	
	MAINTENANCE	Upgrade Xerces	
	MAINTENANCE	Upgrade Guava	
	MAINTENANCE	Upgrade Jackson	
	MAINTENANCE	Upgrade Waffle	
<b>2019.13 (2019-06-17)</b>	FEATURE	Add Danish locale	
	FEATURE	TermTime DP rework: room booking activities	<a href="#">Renewed Term Time provider</a>
	MAINTENANCE	Upgrade Bower	
	MAINTENANCE	Upgrade Yarn to latest version	
	MAINTENANCE	Gradle: remove Javadoc task	
	MAINTENANCE	Upgrade node-tar	
	MAINTENANCE	NodeJS upgrade	

2019.12 (2019-06-12)	ENHANCEMENT	TermTime NG: support custom attributes on events	Renewed Term Time provider
	ENHANCEMENT	Read property files as UTF-8	
	BUG	TermTime NG: show 'Other timetables' category for staff/student /studentgroup timetables	
	BUG	Admin: user details page broken when filtering eventtypes	
	BUG	TermTime NG: null values in tag list create exceptions	
2019.11 (2019-06-07)	FEATURE	TermTime NG: filter activity types on tag	Renewed Term Time provider
	FEATURE	TermTime NG: filter timetablefilter on tags	
	FEATURE	TermTime NG: filter timetables on tags	
	FEATURE	TermTime DP rework: show module offers for staff as child subscriptions	
	FEATURE	TermTime DP rework: show periods	
	ENHANCEMENT	TermTime NG: take into account allDay bit	
	ENHANCEMENT	TermTime NG: process tags on activities	
	ENHANCEMENT	API: publish draft bit in API responses	
	ENHANCEMENT	S+ NG: child timetable filtering	
	BUG	S+ NG: Zone/location timetables may assign incorrect child ids	
2019.10 (2019-05-22)	FEATURE	TermTime DP rework: show module offers for course as child subscriptions	Renewed Term Time provider
	FEATURE	TermTime DP rework: show module offers for student as child subscriptions	
	FEATURE	TermTime DP rework: show module offers for student group as child subscriptions	
	FEATURE	TermTime DP rework: filter module offers on course	
	FEATURE	TermTime DP rework: view building timetable	
	FEATURE	TermTime DP rework: list and search building timetables	
	FEATURE	TermTime DP rework: filter rooms on building	
	FEATURE	TermTime DP rework: show rooms for building as child subscriptions	
	FEATURE	TermTime DP rework: publication flags	
	FEATURE	TermTime DP rework: filter module offers on department	
	FEATURE	TermTime DP rework: filter student groups on department	
	FEATURE	TermTime DP rework: filter students groups on course	
	ENHANCEMENT	Term Time NG: Allow configuring option name for repeatgroupid-based options	
	ENHANCEMENT	Term Time NG: search in all locales	
	ENHANCEMENT	TermTimeNG: proper null check	
	BUG	ExportedEventTextRenderer does not render 'recorded' state	
	BUG	EventDetailsPresenter does not render 'recorded' state	
	BUG	TermTimeNG: fetching child options by host key throws IllegalArgumentException	
	BUG	TermTimeNG: course child options broken	
	BUG	Term Time NG: Module offer timetable broken	
	BUG	XML API returns 500s on various endpoints	

	BUG	GWT error popup icon black instead of white	
	BUG	EventConcurrencyUtil erroneously ignores concurrency 'concurrency within a module' when two events have no module code	
	MAINTENANCE	Echo event: fix event attribute old/new value naming	
	MAINTENANCE	SAML signature hash algorithm default to SHA-256	
	MAINTENANCE	Deprecation warnings	
	MAINTENANCE	Update Spring Boot dependencies to 1.5.21	
	MAINTENANCE	TermTimeNG: development config	
	MAINTENANCE	TermTime DP rework: use nullable department information from activity	
2019.9 (2019-04-29)	BUG	S+ NG: ModuleGroupDepartment filter broken	
	BUG	Mobile: does not render in IE11	
2019.8 (2019-04-25)	FEATURE	TermTime DP rework: view course timetable	Renewed Term Time provider
	FEATURE	TermTime DP rework: view student group timetable	
	FEATURE	TermTime DP rework: view room timetable	
	FEATURE	TermTime DP rework: list and search course timetables	
	FEATURE	TermTime DP rework: list and search student group timetables	
	FEATURE	TermTime DP rework: list and search room timetables	
	FEATURE	TermTime DP rework: filter courses on department	
	FEATURE	TermTime DP rework: filter rooms on department	
	FEATURE	TermTime DP rework: support activity types	
	FEATURE	TermTime DP rework: notes for activities	
	FEATURE	TermTime DP rework: module information for activities	
	FEATURE	TermTime DP rework: show size of activity	
	FEATURE	TermTime DP rework: add option selection based on repeat activities	
	BUG	Mobile API message refresh	
	BUG	Various bugs in location entity info page	
	MAINTENANCE	Upgrade to Tomcat 9	
2019.7 (2019-04-19)	FEATURE	TermTime DP rework: staff for activities	Renewed Term Time provider
	BUG	S+ NG: PosGroup filter not working for Modules/StudentSets	
	MAINTENANCE	Upgrade Infinispan	
2019.6 (2019-04-18)	FEATURE	S+ NG: implement PosGroupDepartment filter type	
	FEATURE	TermTime DP rework: view module offer timetable	Renewed Term Time provider
	SECURITY	CSRF possible on /logout	
	MAINTENANCE	Upgrade Mockito	
	MAINTENANCE	Spring Boot upgrade	
2019.5 (2019-04-15)	BUG	Location entity info page lookup by key not working	
2019.4 (2019-04-11)	FEATURE	S+ NG: support option equivalence check	

	<b>FEATURE</b>	TermTime DP rework: list and search module offer timetables	<a href="#">Renewed Term Time provider</a>
	<b>FEATURE</b>	TermTime DP rework: view student timetable	
	<b>FEATURE</b>	TermTime DP rework: view staff timetable	
	<b>FEATURE</b>	TermTime DP rework: list and search student timetables	
	<b>FEATURE</b>	TermTime DP rework: list and search staff timetables	
	<b>FEATURE</b>	TermTime DP rework: filter staff on department	
	<b>ENHANCEMENT</b>	S+ NG: support activity type filtering	
	<b>ENHANCEMENT</b>	S+ NG: Use AbstractCachingEntityValuesRepository for Zones	
	<b>ENHANCEMENT</b>	S+: support more than 100 OSIRIS groups	
	<b>BUG</b>	S+: Module name SpEL expression not working	
	<b>BUG</b>	EC EWS autodiscover failing on O365	
	<b>BUG</b>	Individual export (module view) incomplete	
	<b>BUG</b>	API: insufficient scope returns a generic error	
	<b>MAINTENANCE</b>	Remove LDAP / LDAP-AD authenticator	
	<b>MAINTENANCE</b>	Remove SAP SSO authenticator	
	<b>MAINTENANCE</b>	Adjust Postgres pool sizes	
<b>2019.3 (2019-03-29)</b>	<b>FEATURE</b>	S+ NG: LocationEntityProvider / location info page	
<b>2019.2 (2019-03-26)</b>	<b>FEATURE</b>	Messages: add API to manage messages	
	<b>ENHANCEMENT</b>	Circuitbreakers on RestTemplates	
	<b>ENHANCEMENT</b>	S+ NG provider: cache department information	
	<b>BUG</b>	S+ NG: WRB timetable type missing filter	
<b>2019.1 (2019-03-21)</b>	<b>FEATURE</b>	Rule engine: add import/export	
	<b>ENHANCEMENT</b>	S+ NG: Limit studentset retrieval for large activities	
	<b>ENHANCEMENT</b>	S+ NG: support event sequences	
	<b>BUG</b>	iCal DP hostkey lookup stability	
	<b>BUG</b>	S+ NG: FORCESEEK query hint issue	
	<b>MAINTENANCE</b>	Reduce code sharing between GWT and backend	
	<b>MAINTENANCE</b>	Remove ZRS and UNIT-e dataproviders	
	<b>MAINTENANCE</b>	Setup release process	<a href="#">Release early, release often</a>