

# Echo 2019 release notes

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

Echo is the notification component of MyTimetable and takes care of processing, storing and communicating messages to students and staff.

Version	Type	Description	More info
2019.5 (2019-11-08)	ENHANCEMENT	Remove support for Sender header, but keep 'mail from' support	
	ENHANCEMENT	Add X-Auto-Response-Suppress to emails	
2019.4 (2019-11-07)	FEATURE	Document API for retrieving events sent through webhooks	
	FEATURE	Send incoming notifications to webhook consumers	
	FEATURE	Store sent webhook events in database	
	FEATURE	GET endpoint to retrieve event	
	ENHANCEMENT	Webhook custom authentication header support	
	BUG	RestTemplate timeouts are not being configured correctly	
	BUG	Redis unavailability causes CPU overload	
	BUG	Logstash config is missing file appender	
	BUG	Notifications in Webhook call contain incorrectly serialized timestamp	
	MAINTENANCE	Upgrade Spring Boot to v2.2	
	MAINTENANCE	Replace deprecated SizeAndTimeBasedFNATP in Logback config	
	MAINTENANCE	Upgrade Gradle to 5.6	
	MAINTENANCE	Upgrade SonarQube Gradle Plugin to 2.7.1	
	MAINTENANCE	Upgrade Spring Boot to 2.1.7	
	MAINTENANCE	Upgrade logstash-logback-encoder to v6.1	
	MAINTENANCE	Upgrade jmespath-jackson to 0.3.x	
2019.3 (2019-07-25)	ENHANCEMENT	Tweak schema of notifications	
	MAINTENANCE	AdoptOpenJDK 11 compatibility	
	MAINTENANCE	Update IntelliJ configs for 2019.1 / make it work	
	MAINTENANCE	Upgrade to Gradle 5	
	MAINTENANCE	Upgrade Guava	
	MAINTENANCE	Upgrade Jackson	
2019.2 (2019-05-22)	MAINTENANCE	Spring Boot upgrade	
	MAINTENANCE	Adjust Postgres pool size	
2019.1 (2019-03-21)	BUG	Missing notification	