

Sprint Retrospective Document

Date: 24.04.2019

Project acronym: LPWAN

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Sprint 8 summary

Item ID (from the previous retrospective doc)	Workpackage ID (from the Kick-off doc)	Status	Group's comments
1	WP9	Complete	We created a list that contains information about devices that are saved in the database and when a user click on them, the device is shown at the center of the map.
2	WP9	Complete	We send notifications in case of any end node is not at the expected position or whenever it's status is inactive(either broken or out of range). We used slack for this purpose.
3	WP3	In progress	Since we still didn't receive hardware equipment that we need, we couldn't complete this task yet.
4	WP5	Complete	After registering our hardware devices to TTN, we configured the TTN to send POST requests to our application whenever it receives data from hardware. We also created a back-end service to handle these requests.
5	WP9	In progress	User receives a token on login which is necessary for using backend services. However redirection to dashboard page after login is still incomplete.

Sprint 9 plan

Item ID	Workpackage ID (from the Kick-off doc)	Description	Status
1	WP3	Sending data from multiple end nodes and in regular time intervals. This requires a board to be bought to program end nodes other than test end node.	Leftover from Sprint 8
2	WP10	We will merge our branches on the gitlab and create a complete system. Then we will test and fix problems.	New
3	WP7	We will improve geolocation algorithm by creating subgrids and applying multiple iterations on them.	New
4	WP4	We will integrate our front-end to the cloud and try to resolve connection problems between our front-end and back-end.	New
5	WP3	TTN gives timestamp in microseconds but we need nanoseconds for better accuracy. We will try to solve this problem.	New
6	WP9	Authentication services should be done.	Leftover from Sprint 8

Overall progress

	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5	Sprint 6	Sprint 7	Sprint 8	Sprint 9
MF1	0%	0%	0%	0%	0%	0%	30%	30%	
MF2	0%	0%	0%	0%	0%	0%	60%	100%	
MF3	0%	15%	70%	80%	90%	90%	95%	95%	
MF4	0%	0%	10%	40%	40%	50%	65%	85%	
MF5	0%	0%	20%	20%	20%	40%	60%	80%	
MF6	0%	50%	60%	60%	60%	60%	70%	75%	
MF7	0%	0%	0%	0%	30%	60%	90%	90%	
MF8	0%	0%	0%	0%	0%	0%	0%	90%	
MF9	0%	0%	0%	0%	0%	0%	0%	0%	