

Sprint Retrospective Document

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Project acronym: ARTEMIS

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Sprint 8 summary

Item ID (from the previous retrospect ive doc)	Workpackage ID (from the Kick-off doc)	Status	Group's comments
1	3	Complete	Data collected using Node-RED
2	4	In Progress	We have tested with different network congestion
3	6	Complete	Protocol, payload and packet length (in bytes) is displayed
4	3	Complete	Node-RED is successfully set up on the Raspberry Pi.
5	4	Complete	LSTM and Auto Encoders are tested.
6	4	In progress	Auto encoder is used for outlier detection but not for feature reduction
7	3	Complete	Data collected for Man in the middle and fuzzing attacks

Sprint 9 plan

Item ID	Workpackage ID (from the Kick-off doc)	Description	Status
1	6	Dimensionality reduction for visualization on Web UI	New
2	4	Check the real time performance of learning algorithms on normal behavior of the system	Leftover from Sprint 8
3	6	Integrate feature selection routine to Anomaly Detection Server	New
4	6	Find another way to label attack packets other than MQTT topic	New
5	6	Compare accuracy of supervised and unsupervised algorithms	New
6	4	Using autoencoders for feature selection in Neural Networks	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%	10%	15%	25%	25%	
MF2	0%	50%	80%	80%	90%	90%	100%	100%	
MF3	0%	30%	50%	50%	50%	70%	100%	100%	
MF4	0%	50%	50%	50%	70%	80%	100%	100%	
MF5	0%	0%	15%	50%	60%	60%	60%	80%	
MF6	0%	0%	15%	40%	40%	70%	75%	90%	
MF7	0%	0%	0%	0%	0%	30%	30%	50%	

MF8	0%	0%	0%	0%	0%	80%	100%	100%	
MF9	0%	0%	0%	0%	20%	100%	100%	100%	
MF10	0%	0%	0%	0%	0%	0%	50%	85%	
MF11	0%	0%	5%	5%	5%	70%	95%	100%	
MF12	0%	0%	0%	0%	0%	65%	70%	100%	