AUDIT CHAIN AMOS PROJECT SS22
PROJECT SUMMARY

PROJECT NAME	Audit Chain
PROJECT MISSION	The mission is to deliver a MVP of a audit-proof recording of file system events to Grau Data. For this purpose there is a central event queue, which receives events from a producer and provides them a consumer, which is built on a underlying blockckain data structure. Finally, the event will be copied in a second consumer and will be deleted from the event queue.
INDUSTRY PARTNER	GRAUDATA
TEAM LOGO	

TEAM PHOTO	
PROJECT SUMMARY	Our project is developed following a dependency structure, typical of the audit chain module. The main idea is that events of any kind, like IoT, file systems, and measurement loggers should be transmitted securely via the network. There is a central event queue, which creates and records these events (producer). After the producer successfully generates an event, it goes to RabbitMQ (event queue) and uses them for further steps that would involve third parties (consumer). Events are recorded serially, and the central event queue is transmitted via the network queue. To achieve this goal, we used a variety of technology stack such as Java as a main programming language and Python for the implementation of GUI. Also, we installed Docker, so our system resources to be used efficiently (consume less main memory, easy to port etc) and JUnittests to make sure that nothing in the code is broke.
PROJECT REPOSITORY	https://github.com/amosproj/amos2022ss02-audit-chain
ADDITIONAL INFORMATION	Our team consisted of 7 Master students, 2 Erasmus undergraduate students and our industry partner was GRAUDATA. By the end of the Sprint-08 we had already reached our main goal and we decided to add some additional features in our project!