

Since 2013, the use of the containerization and process isolation technology, that had already been discussed for decades, accelerated due to the emergence of Docker, a simple software development tool that has been universally adopted and transformed in an industry standard. This training will introduce basic containerization concepts, will present its main benefits and will propose scenarios of applicability in the software PA domain.

Through the utilization of different Containerized Quality Environments, prepared to support the ESA Science Operations missions, you will be able to understand the basic containerization concepts, learn how to generate and execute containers and see its applicability in measuring, analyzing and reporting the quality of software applications. Even if this training is more suited for software quality engineers, no experience in software development is required and everybody will be able to understand the main challenges and advantages of containerization.