

In the on-the-fly scenario we must quickly prove the quality properties of the single services in the composition. Our techniques so far were all mathematically sound, i.e. if a quality property is proven, it is always valid. This aspect imposes a lower bound on a service's validation time, all execution paths must be considered. Thus, if the time limit for validation is below that bound, we need to relax our quality guarantees. Having in mind that current testing techniques provide good significance wrt. validity, we come up with a relaxed validation idea: verify as many service parts as possible in the current time limit and test the remaining service parts. This idea allows us to achieve definite quality guarantees where possible, resulting in a high overall guarantee, and do not waste effort due to validation of already proven parts again. In today's talk we describe three techniques for such a relaxed validation, the third being a combination of the first two. Moreover, we present first evaluation insights.