

USING TDL AND AI (Artificial Intelligence) FOR BUSINESS SCALING

Presented by Francesco Oppedisano



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Who we are

- Born in 2006 from the research group in telecommunication networks at University of Pisa (Italy)
- Official spin-off of Pisa's University
- SME with strong skills in VoIP/MoIP and network performance testing
- People: 20
- with degree: 15/20
- with PHDs: 2/15









R&D in a Scaleup

- Today's most important activity in startups and scaleups is "product discovery".
- PD is heavily inspired by the "lean thinking" movement and in particular by the "Lean startup" approach. (Ref: "INSPIRED: How to create tech products customers love" by Marti Cagan)
- ZLRD Zero Latency R&D
 - Test automation engineer
- Testing automation is key and it is also very important to scale the job of the TAE









AUTOMATIC DATA AND DOCUMENTS ANALYSIS TO ENHANCE HUMAN-BASED PROCESSES

What is ADA Project

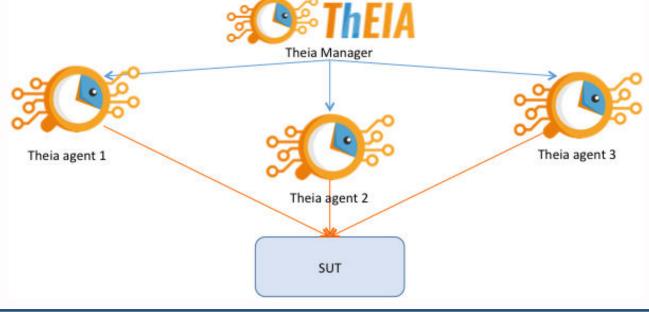
- ADA is a research project founded by Tuscany Region (Italy)
- It aims at augmenting human driven processes by the use of advanced data and document analysis
- Our role is to contribute to the enhancement of the testing process trying to make more efficient the test automation activity carried out by the TAE (Testing Automation Engineer)







ThEIA - Testing Environment for Internet Applications



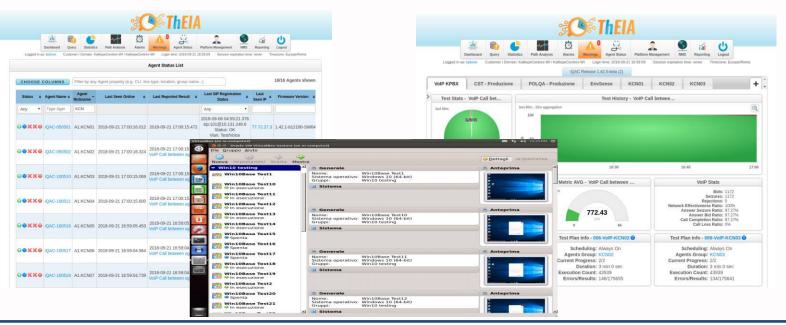


User Conference on Advanced Automated Testing





The ThEIA platform



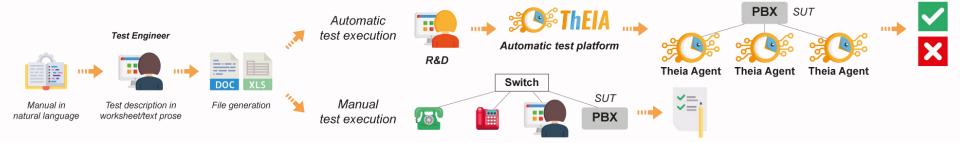








« As is » testing process













Target testing process









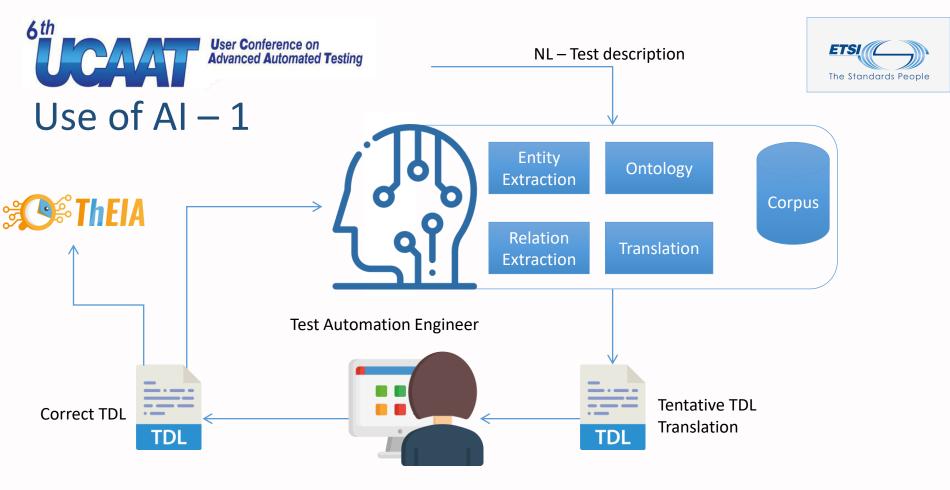




Use of Al in ADA

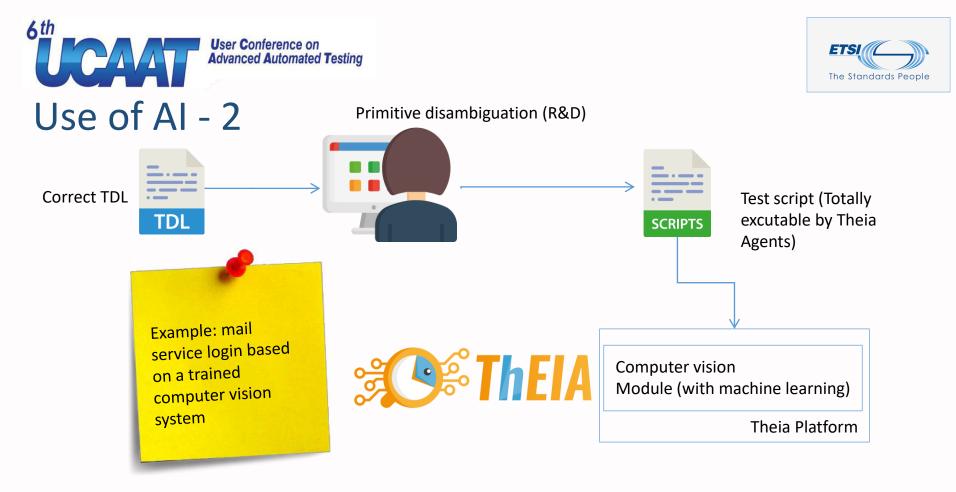
- Natural Processing Language
- Image Analisys
- Document Analisys
- Structured Data Analisys
- Output
 - Better matching between testing and business expectations
 - Proactive Maintenance
 - Data Driven Testing
 - Automated Testing

















Conclusions

- ADA is at its early stages, hence we have only preliminary info
- TDL is the "Center of Gravity" of our part of the project
- We are still struggling to apply TDL to our scenarios (see our Poster)
- Al is a new tool for us so absolutely don't know how the real performance we are goinge to achieve
- Nontheless we strongly believe that testing is the "immune system" for tech scaleups that need fast "build-measure-learn" cycles







Q&A Contacts

- Q&A
- Thank you
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