STF 492: TDL Phase 3

The Future of TDL

Document History

- 2015-11-11: Submitted for SG Call

TDL Launch Event

TDL Launch Event: Summary

- Tutorial 90min:

  - Hosts: Xavier and Philip

- Keynote slot 45min

  - Host: Philip (introduction providing context for the guest speakers)

  - Guest speakers:

    - ETSI CTI (MO), CEA (XZ), FOKUS (MFW), VTT/MetaCase (TK/JPT), Elvior (AL), Ericsson (GR)

- Discussion at the booth with speakers and stakeholders

TDL Launch Event: Summary

- Demos and information at the booth

  - STF/CEA (XZ)

    - "Embedding TDL into the UML environment"

  - STF/Elvior (MK, TBC)

    - "Visualising generated tests with TDL"

  - STF/UG (PM)

    - "TDL in education - custom editors and visualisation, transformations"

    - effectively general information about TDL, MTS, ETSI, STF work

TDL Launch Event: Summary

- Further demos

  - MetaCase/VTT (JPT/TK)

    - "Custom representations and editors for TDL with MetaEdit+" (tentative)

    - online upon request

TDL Launch Event: Feedback

- Gunnar Lorentzen (Amadeus)

- Hichan Hacherouf (Bouygues Telecom)

- Jean-Marc Marczak (Airbus)

- Jörg Wassermann (DLR)

- Rachid Kherrazi (Nspyre)

- Ultan Mulligan (ETSI)

- Nader Kesserwan (EsterLine CMC Electronics)

- Frank Le Gall, Ahmad Abbas (Easy Global Market)

TDL Launch Event: Feedback

- Luca Compagna (SAP)

- Benoit Compagnon (ETAS)

- ? (ATOS)

- Szilard Szell (Nokia Networks)

- Gabor Ziegler (Ericsson)

- Miguel Ortega (ETSI)

- Natalia Meergus (Sela Software Labs)

- Trevor Stone (Huawei Germany) via e-mail after UCAAT

TDL Launch Event: Feedback

- Gunnar Lorentzen (Amadeus)

  - just another formal language, all are too complex for users

  - bringing stakeholders together to achieve common understanding more efficient

- Hichan Hacherouf (Bouygues Telecom)

  - air interface with TDL possible

  - some confusion about what TDL really is (set of predefined test models?)

- Jean-Marc Marczak (Airbus)

  - MBT framework around TDL?

- Jörg Wassermann (DLR)

  - standardisation for aviation and aerospace in Germany, adoption of TDL at DLR, research collaboration

  - interest in tools and features needed for adoption in aerospace domain and aerospace standardisation

TDL Launch Event: Feedback

- Rachid Kherrazi (Nspyre)

  - embedded domain, interest in TDL as part of own tool suite, common exchange format for tool interoperability

  - interest in contribution to TDL (requested information regarding STF work and procedures)

- Ultan Mulligan (ETSI)

  - further teaching and promotion materials - white paper, webinar (intro, UP4TDL, use cases, positioning)

  - seminar on one day or running over several weeks or months with pre-announced dates for subscription

  - use brighttalk.com platform (see ETSI and OneM2M channels as examples)

  - get back to Ultan with ideas for further promotion

- Nader Kesserwan (EsterLine CMC Electronics)

  - interest in development of TDL and tooling, application in aerospace domain, requested latest information

TDL Launch Event: Feedback

- Frank Le Gall, Ahmad Abbas (Easy Global Market)

  - interested in tool support for TDL

- Luca Compagna (SAP)

  - interested in domain-specific adaptation of TDL, web application security concepts in particular

  - test generation and using TDL as basis for test generation

- Benoit Compagnon (ETAS)

  - comparison with DSLs, advantages of TDL (exchange format, tool independence, interoperability)

- ? (ATOS), Szilard Szell (Nokia Networks)

  - no feedback?

TDL Launch Event: Feedback

- Gabor Ziegler (Ericsson)

  - TDL as exchange format for combining different tools

  - TDL in UML working environments

- Miguel Ortega (ETSI)

  - reference implementation availability and distribution, legal issues

  - consistency and maintenance issues and integration in current processes

  - adoption challenges - users that use TDL vs users that use Word

- Natalia Meergus (Sela Software Labs)

  - medical systems domain, additional domain-specific requirements

  - right level of abstraction - high level test descriptions vs test objectives, when to use TDL vs TPLan vs TDL-TO

  - test generation from TDL, mapping to and from TTCN-3

The Future of TDL

The Future of TDL: MTS#66

- Target second allocation for 2016 if needed (May/June)

- Pursue a multiphase second stage from the start

  - 3-phase concept again?

- Initial ideas, more comprehensive vision by MTS#67, sample ToR

  - AU: Provide concrete ideas towards test generation by MTS#67

  - GR: Standardised mapping/relation to TTCN-3, UML PSM for TTCN-3?

  - AU: Focus on methodology and guidelines, application case studies in different domains and processes, best practices (ETSI guide, industry guide, agile guide, etc.); developing teaching materials/online training

The Future of TDL: MTS#66

- Next steps

  - involve other potentially interested parties in the discussion

    - OGF, NFV, 3GPP, OneM2M, PlugTests, SmartM2M, …

  - collect ideas during UCAAT

    - ask attendees what they need to get started in TDL, reflect on overall response

    - prepare a short questionnaire to gather input on general interest and requirements

  - collect and circulate ideas in between

    - an **online SG meeting in November**, focus on what is needed to push TDL forward in the respective organisations (potential users, potential clients for tool vendors)

Questionnaire - Best effort, see MBT questionnaire (check also article for ideas - from SS), should be short 3-5 questions, could also be used for discussion with interested parties rather than distributed on paper or online (or in addition to).

Did not make the cut due to time constraints. Instead, informal discussions with stakeholders covering the main questions.

The Future of TDL: Other Contributions?

- JG

  - teaching materials and self-learning platform for TDL

  - aligned with efforts on TTCN-3

  - pilot projects with similar platforms for general purpose programming

  - of particular interest for practical courses on software testing

- Andreas?

- Gyorgy?

Any Other Business?