MARS – Middleware And Related Services

• Highlights from this Meeting:
  – IDL4 to Python Language Mapping: reviewed initial submission
  – IDL4 to C++ Language Mapping revised submission: received status update
    • Extended to Orlando (June 2022)
  – DDS TSN Integration revised submission: received status update
    • Extended to Orlando (June 2022)
  – DDS C# API revised submission: received status update
    • Extended to Burlingame (Sept 2022)
  – TCP/IP PSM for DDS Interoperability revised submission: received status update
    • Extended to Austin (Dec 2022)
  – OCAF Collaboration Round 2.1
    • Focus on MARS Remit: CORBA, CDR, IDL, IEF)
• Highlights from this Meeting (continued)
  – Status update on Cloud WG papers to be published by MARS
  – Presentation on ways in which CORBA could work in the FACE environment
    • Initial report from MARS FACE Interop WG’s CORBA subWG team
  – Joint with Blockchain PSIG
    • Linked Encrypted Transaction Streams (LETS) RFP: reviewed revised submission
      – Extended to Burlingame (Sept 2022)
    • IOTA Protocol RFC: reported current state
      – Target issuance keeps moving; review every other meeting
    • Smart Contracts RFI
      – Reviewed latest draft; completely redone from previous version
    • Distributed Immutable Data Objects (DIDO) RA: reviewed in progress draft of Ver 4.0
      – Shifted target for publication to Orlando (June 2022)
• Highlights from this Meeting (continued)
  – FACE Interop, CORBA, IDL and SNC WGs met
    • FACE Interoperability WG:
      – 3 subWG teams (DDS, CORBA, IDL4) established last meeting reported on their specific activities
      – Based on formal liaisons established between FACE and OMG, have been meeting regularly as a joint WG with a wikispace to support
    • CORBA WG:
      – Formed small team to support preparation of ISO Explanatory Report for CORBA 3.4
    • IDL WG:
      – Chose new co-chairs: Fernando Garcia (RTI) and Chuck Abbott (OIS)
      – Tried to respond to request from Manfred Koethe re common namespace guidance in current and future IDL specs but need more input to understand
      – Discussed open issues on IDL4 to C++ mapping RFP
    • SNC WG: did not meet
    • IEF WG: did not meet
• Deliverables from this Meeting:
  – Technology Adoption Recommendation(s):
    • none
  – RFP/RFI/RFC Recommendation(s):
    • none
  – TF Documents Issued
    • none

• Future Deliverables (In-Process):
  – Technology Adoptions
    • DDS-TSN: revised submission, May 23rd, 2022
    • IDL4 to C++ Language Mapping: revised submission, May 23rd, 2022
    • DDS C# API: revised submission, Aug 22nd, 2022
    • IDL4 to Python Language Mapping, revised submission, Aug 22nd, 2022
    • Linked Encrypted Transaction Streams (LETS): revised submission, Aug 22nd, 2022
    • TCP/IP PSM for DDS Interoperability: revised submission, Nov 7th, 2022
• Future Deliverables (In-Process) continued:
  – RFP/RFI/RFC Recommendations to Issue
    • Smart Contracts RFI: issue 2022 Q2 or 3?
    • IOTA Protocol RFC: issue 2023?
  – TF Documents
    • Distributed Immutable Data Objects (DIDO) RA V4.0: publish 2022 Q2
    • Cloud WG Discussion Papers:
      – Practical Guide to Cloud Data Governance: publish 2022 Q2
      – Cloud Service Agreement Template: publish 2022 Q3
      – Everything as a Service: A Guide to XaaS: publish 2022 Q2

• Liaisons
  – FACE Consortium (MOU in process)
• Agenda Items for the Next Meeting:
  – Review revised submissions:
    • DDS TSN Integration
    • IDL4 to C++ Mapping
  – Joint with BC PSIG:
    • Smart Contracts RFI: review (issue?)
    • Disposable Self-Sovereign ID RFP: review next draft
    • DIDO RA V4 DP: review for publication
  – Review Cloud WG discussion papers for publication:
    • Everything as a Service: A Guide to XaaS DP
    • PG to Cloud Data Governance DP
  – Continue collaboration with BC PSIG, Cloud Working Group, OCS DSIG, FACE Consortium
  – MARS WGs to meet: IDL, IEF, FACE Interop, CORBA, SNC?