MARS – Middleware And Related Services

• Highlights from this Meeting:
  – IDL4 to C++ Language Mapping revised submission: received status update
    • Extended to Burlingame (September 2022)
  – DDS TSN Integration revised submission: received status update
    • Extended to Burlingame (September 2022)
  – Discussion about additional co-chairs for MARS
    • Candidates proposed but decided to defer voting until September
  – Presentation on CBDC WG (GovDTF)’s response to Federal Reserve White Paper on Central Bank Digital Currency
  – Presentation on OMG Wiki Analytics and ways to use to determine areas of interest
  – Status Report on MARS CORBA WG’s efforts to prepare CORBA 3.4 Explanatory Report for ISO
• **Highlights from this Meeting (continued)**
  – Presentation by MARS FACE Interop WG on comparison between IDL language mappings used by FACE and OMG’s specifications for same
  • Two options proposed to improve how FACE employs IDL and its language mappings
  – Joint with Blockchain PSIG
  • Based on report, placed three items on hold:
    – Disposable Self Sovereign ID RFP, Pattern Language for Smart Contracts RFI, IOTA Protocol RFC
  • Distributed Immutable Data Objects (DIDO) RA
    – Defer publication until September in Burlingame
  – Presentation on Cloud WG’s Anything as a Service (XaaS) Glossary DP, as well as, plans for future DPs
  • Approved for publication
• **Highlights from this Meeting (continued)**
  
  – FACE Interop/CORBA, IDL and SNC WGs met
    
  • FACE Interop WG & CORBA WG have adopted the practice of meeting jointly
    
    – Received report from Interop’s IDL4 SubWG/Team regarding their IDL language mapping comparison effort
      
      » Plans to present their report with two options to FACE for feedback
    
    – Discussed preparation of Explanatory Report for ISO on CORBA 3.4
      
      » Richard Beatch (Bloomberg) provided essential background during report out
      
      » Solid plans to have report ready by July 15th

  • IDL WG:
    
    – After report from FACE Interop IDL4 SubWG, discussed whether should consider developing an IDL4 mapping for FACE
    
    – Worked on IDL4 to C++ Submission and IDL4 RTF issues

  • IEF WG:
    
    – Reported on how Data Centric Security (DCS) based on the IEF RA is being used to support NATO’s Secure Data Service

  • SNC WG: did not meet
• **Deliverables from this Meeting:**
  – Technology Adoption Recommendation(s):
    • none
  – RFP/RFI/RFC Recommendation(s):
    • none
  – TF Documents Issued
    • XaaS (Anything as a Service) Glossary DP

• **Future Deliverables (In-Process):**
  – Technology Adoptions
    • DDS-TSN: revised submission, Aug 22\textsuperscript{nd}, 2022
    • IDL4 to C++ Language Mapping: revised submission, Aug 22\textsuperscript{nd}, 2022
    • DDS C# API: revised submission, Aug 22\textsuperscript{nd}, 2022
    • IDL4 to Python Language Mapping, revised submission, Aug 22\textsuperscript{nd}, 2022
    • Linked Encrypted Transaction Streams (LETS): revised submission, Aug 22\textsuperscript{nd}, 2022
    • TCP/IP PSM for DDS Interoperability: revised submission, Nov 7\textsuperscript{th}, 2022
• **Future Deliverables (In-Process) continued:**
  – RFP/RFI/RFC Recommendations to Issue
    • none
  – TF Documents
    • Distributed Immutable Data Objects (DIDO) RA V4.0: publish 2022 Q3?
    • Cloud WG Discussion Papers:
      – Practical Guide to Cloud Data Governance: publish 2022 Q3
      – Cloud Service Agreement Template: publish 2022 Q4
      – Cloud Myths and Realities: publish TBD

• **Liaisons**
  – FACE Consortium (MOU in process)
• **Agenda Items for the Next Meeting:**
  – Review revised submissions:
    • DDS C# API
    • DDS TSN Integration
    • IDL4 to C++ Mapping
    • IDL4 to Python Mapping
    • Linked Encrypted Transaction Streams (LETS)
  – Joint with BC PSIG:
    • DIDO RA V4 DP: review for publication
  – Cloud WG discussion papers:
    • Cloud Service Agreement Template DP: discuss
    • PG to Cloud Data Governance DP: review, publish?
  – Elect additional MARS Co-chairs
  – Continue collaboration with BC PSIG, Cloud Working Group, OCS DSIG, FACE Consortium
  – MARS WGs to meet: IDL, IEF, FACE Interop, CORBA, SNC?