

# Arrowhead Framework development coordination: 24-02-13 at 15.30 Meeting link:

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_NmNhNDIxY2QtN2lwMC00ZTA1LWFmZGEtZWVhODhYTVjMGY1%40thread.v2/0?context=%7b%22Tid%22%3a%226a3548ab-7570-4271-91a8-58da00697029%22%2c%22Oid%22%3a%22b81107c1-9773-4145-9e1c-88c264a67664%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NmNhNDIxY2QtN2lwMC00ZTA1LWFmZGEtZWVhODhYTVjMGY1%40thread.v2/0?context=%7b%22Tid%22%3a%226a3548ab-7570-4271-91a8-58da00697029%22%2c%22Oid%22%3a%22b81107c1-9773-4145-9e1c-88c264a67664%22%7d)

# Agenda

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1) Eclipse Arrowhead v5.0 roadmap – next 1-2 roadmap meetings will be merged with bi-weekly to add flavor  
SosD draft, Pär/Emanuel – current version 5.0 finalized, released, delivered  
Documentation update wiki etc, /Tamas B.

2) Updates core systems  
GO version of core systems, Jens  
Resilience and scalability for Arrowhead, Jan van Deventer  
– github demo: <https://github.com/vanDeventer/AiGoDemo>  
ESB, CPN, NodeRed (paper in ISM 2023, I4.0 workflow), Felix  
Asset Admin Shell + Arrowhead - Felix  
Power of attorney, Olov – IETF and Ericsson, ACE WG – constrained devices, discussion with US teams,  
NGAC, Alex/Olov – Policy server is an extra feature for access ctrl; prototype on collapse policies with attribute-based access ctrl, ABAC enabled ABE  
Autonomic re-orchestration, Hua/Markus -> WP3/UC 11 AIM5.0 may be related

3) Updates adaptors and translators  
Data Models based on Semantics, Thorbjörn/ Jan/ **Oscar (feature pres)**  
WP4 - Translators Arrowhead fPVN, Christina/Felipe/Tamas  
Model-based tr. – Asma (CEA)  
AI-based tr. – Tamas Tothfalusi (AITIA)  
Semantic Translation - Pedro, Felipe  
Middleware Protocol Translator (Luis, Bernardo)

4) SysML2 - profile, Geza/Jerker/Oystein/  
OPC-UA adaptor, Aparajita -> close to release  
Z-wave adaptor, Salman -> close to release  
Modbus TCP adaptor, Oscar -> close to release

Command line tools adaptor, Jan F **f.p. 27 February (?)**

- development is a background process now
- video tutorial is available – the standalone adaptor is ready for usage
- Arrowhead integration is close.

Arrowhead and AI/ML tool integration, Pal

5) Updates on engineering tools  
SysML 1.6 profile & core system models (also Eclipse Papyrus)- Jerker  
Engineering process, Jan/Gianvito (keep on going in fPVN)  
Model based engineering, plug-ins, Cristina  
Web based SysML tool, Geza/Pal  
Arrowhead framework Installer Tool, Tamas B./Rajmund – new minor rel. in Feb  
AIMS MLOps toolchain concept (Csaba)  
Arrowhead engineering copilot (Csaba)  
CPS MLOps concept and Jenkins tooling (Pal)  
AIMS5.0 AI Toolbox with 3 levels, methods, processes (Gergely/Attila/Daniel)  
AI Gym (Stefan, Markus) – Arrowhead’ified” version is available **f.p. 27 Feb (?)**  
GUI to generate certificates – Kristjan **f.p.** - [CuAuPro/cryptogen-python at gui \(github.com\)](https://github.com/CuAuPro/cryptogen-python)

1) Updates on training tools  
**(Google Blockly feature pres.)** Training tool, Sebastien/Marcello/Saadia  
<https://github.com/A-S-T-U-C-E/STudio4Education>

2) Next telco, 27 Feb, 2024 at 15.30  
Next feature presentation



# MoM

10. Sign up for the Eclipse Arrowhead mailing list

[arrowhead-dev@eclipse.org](mailto:arrowhead-dev@eclipse.org)

at

<https://accounts.eclipse.org/mailling-list/arrowhead-dev>

11. MoM at [www.github.com/eclipse-arrowhead/roadmap/Bi-weekly-coordination](https://www.github.com/eclipse-arrowhead/roadmap/Bi-weekly-coordination)