Arrowhead Framework development coordination: 181002



Agenda

- Productive workshop Bilbao
 Agenda
- 2) Service naming convention, Cristina
- 3)Security analysis, Adi
- 4) Interoperability with BaSys, Jerker
- 5) Interoperability with FiWare, Jens
- 6) Documentation system, Michelle
- 7) SysML modelling of Arrowhead Framework
- 8) Workflow execution, Felix
- 9) IoT and SoS automation course, LTU, Jerker
- 10)Walk through of Core services ServiceRegistry, v4.1 Csaba Orchestration, v4.1 Csaba Authorisation, v4.1 Csaba CredentialAuthority, v4.0 Csaba

DataManager, v4.0 Jens EventHandler, v4.1 Csaba Translation, v4.0 Hasan/Jaime QoS, v4.1 Michele/Luis Gatekeeper, v4.1 Csaba Gateway, v4.1 Csaba PlantDescription, Jaime Configuration, Emanuel WorkflowManager v4.0 Jaime Choreography, Csaba SystemRegistry, DeviceRegistry, On-boarding procedure, v4.1 Ani/Silia SmartServiceAgreement, Ulf/Emanuel Safety Manager, Mirren/Daniela Self Adaptability security, Markus Integration to legacy systems, Mario Consumer code generation, Cristina Autonomic orchestration/configuration, An Modbus TCP, Nadin/Cristian PLC 61499 integration, Jose, Docker containers, Haris



Agenda

- 11) ApplicationEnergy forecast, ThomasSemiconductior equipment integration, Francois + AgileoSmart parking, Haris
- 12) SoS integration of core systems: verification, Hans
- 13)AoB

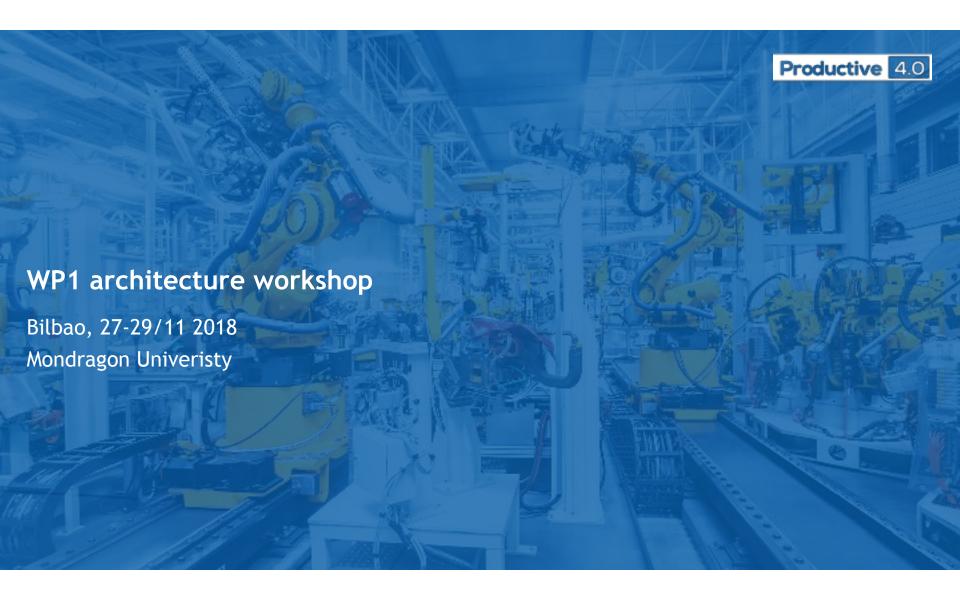
MoM

In Arrowhead Framework wiki, git repository

10_Meetings/Core_system_development/181002/

AF_development_coordination.xlsx







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Agenda - draft v0.1

- Dag 1: Architecture developments
- Day 2: Architecture usage use case implementations hands-on workshop
- Day 3: Dissemination, Security, Governance, Standardisation







Day 1

- 9.00 Core systems at v4.0 15min per core sys
 - ServiceRegistry, Csaba (AITIA), Jens (LTU)
 - Authorisation, Csaba (AITIA), Kiran/Jan (LTU)
 - Orchestration, Csaba (AITIA)
 - Gatekeeper, Csaba (AITIA)
 - Gateway, Csaba (AITIA)
 - Translation, Jaime (LTU)
 - DataManager, Jens (LTU)
 - EventHandler, Csaba (AITIA)
 - QoS, Michele/Luis (ISEP)
- 11.00 Core system candidates 15min per core sys
 - WorkflowManager, Jaime (LTU)
 - WorkflowExecutor, Jaime (LTU)
 - SmartServiceBroker, Emanuel (LTU)
 - On-boarding procedure, Silia/Ani (FHB)
 - SystemRegistry, Silia/Ani (FHB)
 - DeviceRegistry, Silia/Ani (FHB)
- 12.30 13.30 Lunch
 - Configuration, Jamie, Emanuel (LTU)
 - PlantDescription, Jaime, (LTU)

- Translation sematics, Jacob (LTU)
- Re-orchestration, An (HIOF)
- Self Adaptability security, Markus/Ani/Silia (FHB)
- CredentialAuthority, Gabor/Csaba
- OPC-UA translation, Jerker
- FiWare translation, Jens/Jerker
- 5G integration, Ericsson?
- 15.30 Tools 20 min per tool
 - Docker containers, Harris
 - Debian installation, Thomas
 - Consumercode Generation, Cristina (LTU)
 - Test tool, Fredrik (BnearIT)
 - Sandboxing tool, Fredrik (BnearIT)
 - Legacy Integration Tool, Mario (ifak)
 - SecurityManagement, Kiran/Jan
 - Modus TCP integration, TWT
 - PLC integration
- 17.30 Closing

Evening - Joint social event







Day 2

- 9.00 Hands on workshop Training
 - Local cloud installation, Harris and Thomas, (30 min)
 - Application producer system design and implementation, Csaba (1.5h)
 - Application consumer system design and implementation, Cristina, (1h)
 - Usage of Translation system, Jaime (30 min)
- **12.30 13.30 Lunch**
 - Legacy system wrapper, Mario, (45 min)
 - Development tools Fredrik/Hans BnearIT, (1h)

- 15.30 Break-out sessions 1 or 2h
 - SafetyManager, Daniela, Mirren
 - SecurityManagement, Jan/Kiran
 - SmartServiceBroker, Emanuel and Ulf
 - WorkflowManagement
 - **?**
 - **?**
- 17.30 Closing of the day
- Joint Social event?







Day 3

9.00 Governance

 Arrowhead Framework -> Eclipse project, Jerker

10.00 Architecture security report, Adi

11.00 Standardisation, Erwin/Oystein

11.30 Dissemination, Jerker

- **2019**
 - Productive 4.0 conference March 12-14, Budapest
 - IEEE ICPS Taiwan, SS, Tutorial
 - IEEE INDIN, SS
 - IEEE EFTA,

- IEEE IECON, SS
- Special issue: IEEE Industrial Informatics?, mdpi/
- **2020**
 - IEEE ICPS Tampere June Final project conference
 - SS, Tutorial, Sommerschool (EIT ICT/ Manufacturing-KICK project?)
- 12.15 Next WP1 workshop, Gothenburg, April 24-25, 2019 Location TBD, Sept 17-19, 2019
- 12.30 Closing WP1 workshop
- 14.30 PMT meeting



