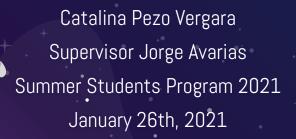


INITIAL PRESENTATION



OVERVIEW

- 1. Problem
- 2. Background: Previous work with DDS implementation
- 3. Possible options for replacement
- 4. Chosen solution and approach
 - a. Activities chronogram
- 5. Expectations and final thoughts



PROBLEM

- ★ Obsolescence of current technology CORBA, used in ACS.
 - * Notification Channel.



PROBLEM

Objective: Find a replacement for the notification channel. Move away from CORBA while keeping in place the current API provided by Common Software.

BACKGROUND

- ★ Data Distribution Service (DDS) as an alternative to CORBA Notify Service.
- ★ Problems:
 - ★ Handling of event objects.
 - ★ Python not supported.

SUITABLE OPTIONS POR REPLACEMENT

- ★ ActiveMQ
- ★ RabbitMQ
- ★ Kafka
- ★ Pulsar
- ★ ZeroMQ













ΔBOUT ΔCTIVEMQ

- Open source, multi-protocol, Java-based messaging server.
- Connectivity from C, C++, Python.

- * Supports different protocols.
- ★ Two versions: ActiveMQClassic and Artemis.

ΔΡΡΡΟΔΟΗ

- ★ Initial study of current software and technology.
- ★ Design.
- ★ Implementation:
 - ★ Language: C++.
 - ★ Maintain current API.
- ★ Testing.
- * Results and documentation.



CHRONOGRAM

	Week 1 Jan 18-22	Week 2 Jan 25-29	Week 3 Feb 1-5	Week 4 Feb 8-12	Week 5 Feb 15-19	Week 6 Feb 22-26	Week 7 Mar 1-5	Week 8 Mar 8-12
Formulate Plan of Action								
Get to know ACS and Notification Channel								
Learn about ActiveMQ								
Design and planification of implementation								
Implement Replacement								
Testing								
Results and Corrections								
Documentation and Report			10					

THOUGHTS AND EXPECTATIONS

- ★ Hard work and a lot of learning
- ★ Gain experience
- ★ Make a contribution to the scientific community

