

Date: Jan. 18 - Jan. 22, 2021.

Goals Achieved:

- Estudiar documentación ACS.
- Preparar ambiente de trabajo: Instalar X2Go, VPN y hacer funcionar máquina virtual.
- Probar software ACS.
- Capacitación ACS jueves 21.
- Entender tecnología y diseño actual para proponer el plan.
- Preparar plan de trabajo:
 - Reunión viernes 22 con Jorge Avarias.
 - Presentación martes 26.

Initial Presentation: [ALMA Notification Channel Replacement - Initial Presentation.pdf](#)

Week 2

Date: Jan. 25 - Jan. 29, 2021.

Goals Achieved:

1. ActiveMQ.
 - a. Descargar en la máquina virtual.
 - b. Investigar Artemis vs. Classic, y elegir el mejor
 - i. Artemis (más nuevo)
 - c. Leer documentación online de ArtemisMQ
 - d. Hacer un ejemplo de ArtemisMQ
2. Configurar la máquina.
3. Investigar cliente de C++ para conexión con el broker.
 1. QPid Proton.
 2. Protocolo: AMPQ.

Weekly Report Presentation: [ALMA Project Weekly Report - Week 2.pdf](#)

Date: Feb. 01 - Feb. 05, 2021.

Goals Achieved:

- Continue to Familiarize with ActiveMQ
- QpidProton Library
 - Installation
 - Read Qpid Proton documentation
 - Run basic examples
- Begin implementation of Notification Channel
 - Create module
 - Declaration of classes
- Fix IPV6 problem

Weekly Report Presentation: [ALMA Project Weekly Report - Week 3.pdf](#)

Date: Feb. 08 - Feb. 12, 2021.

Goals Achieved:

- Continue to familiarize with QpidProton Library
 - Qpid Proton documentation
- Configuration of broker to be used
- Implementation of Notification Channel
- Prepare ALMA Summer Students presentation (Feb. 15th)

- File: https://docs.google.com/presentation/d/1IormGyLncxtDV81Ergx6VuQXKfw8xX_qr0qwrcXioH0/edit?usp=sharing

Weekly Report Presentation: [ALMA Project Weekly Report - Week 4.pdf](#)

Date: Feb. 15 - Feb. 19, 2021.

Goals Achieved:

- Explore ways to send and receive events
 - CORBA CDR (Common Data Representation)
- Implementation of Notification Channel Replacement
- Document implementation details

Weekly Report Presentation: