**E-Bikes Manufacturing Demo**

**Overview**

This demo application showcases the integration of the Pub/Sub API within a simulated E-Bikes manufacturing environment. It demonstrates real-time updates using Change Data Capture events and Platform Events to synchronize Salesforce data.

**Features**

1. Real-Time Data Capture: Utilizing Salesforce Change Data Capture to keep all components synchronized in real time.  
 2. Platform Event: Leveraging Platform Events for efficient communication between loosely coupled systems.  
 3. Lightning Web Runtime: Built with the LWR for optimal performance and lightweight architecture.

**Deployment Options**

Heroku Deployment  
 Deploy the application to Heroku for quick demonstration purposes. Use the 'Deploy to Heroku' button provided in the documentation for effortless setup.  
  
 Local Deployment  
 Ideal for development and testing, local deployment requires cloning the repository, setting up environment variables, and running the project locally.

**Authentication Mechanism**

Warning: This application does not use a robust authentication method and is not suitable for production without modification.   
 For secure production use, we recommend implementing the OAuth 2.0 JWT Bearer Flow.

**Configuration Details**

Detailed setup involves configuring environment variables for Salesforce authentication and API communication. These include username, password, and security token for the Salesforce user.

**Code of Conduct**

Salesforce open-source projects prioritize inclusivity and diversity. The code of conduct outlines acceptable behavior and provides a framework for reporting unacceptable actions.

**Contact Information**

For questions, feedback, or to report issues, contact Salesforce's Open Source Conduct Committee at ossconduct@salesforce.com.

**Appendix**

References  
 - Salesforce Documentation: [Pub/Sub API](https://developer.salesforce.com/docs/atlas.en-us.234.0.pubsub.meta/pubsub/pubsub\_intro.htm)  
 - OAuth 2.0 JWT Bearer Flow: [Documentation](https://help.salesforce.com/s/articleView?id=sf.remoteaccess\_oauth\_jwt\_flow.htm&type=5)

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