## Nio (Xuhui Jiang)

Interviewee is okay to share his name. Interviewed on July 1, 2024.

### **Organization Intro**

### Can you give us an overview of your organization and what it does and how it relates to K8S?

* + Electric car company, we develop digital system and central GW. Our usage scenario, such as car auto test, can leverage cloud native technology, we use k8s to deploy compute applications at the edge of the car driving distributed system

**Motivation**

### Compared with other products in this space (proprietary and open), what drew you to the project?

* + Kube-edge. We have evaluated several solutions. Kubeedge is more mature and has a larger community. It matches our usage scenario, its edge footprint is small and light weight

### **Usage Scenario**

### How does your organization use the project and how long have you used it?

* + We start to evaluate it 3 years ago.
* What version is used and what is your update cadence with the project?
  + Start from 1.3, now will upgrade to 1.7. We will upgrade if we need the new features developed in the community.

### Can you walk me through what your experience was in either adopting it outright or integrating it with your existing services and applications? What challenges did you experience with the project?

* + We did not experience many challenges since we build from scratch and no integration with legacy. Main challenge is our performance requirement is a little different. We care more about self restore/healing without manual intervention. There is space to optomize this area. Our network envrionment is more unexpected. Stability test of KubeEdge in such situation can be done more comprehensively

### Did you find the information in the repo valuable to your implementation and usage? What specifically?

* + The project repois useful. Their documents are comprehensive, which helps new comers to ramp up fast. .

### Has your implementation of the project provided measurable value?

* + Yes, it does yield to measurable values. It enhances the utilization rate of LAB cars scattered over many remote region and simplifies the configurations and deployment time.

### Do you have any future plans regarding the project? More involvement, feature requests, expansion, etc.

* + We have frequent discussion with the community. We will submit requests and provide/contribute solutions to the community. Make it more modular

### **Perception**

### What is your perception in terms of the project’s:

### Community openness

* + - Very good, we are not typical cloud native users, they listen to our request

### Governance

* + - Satisfied, complete

### Community growth potential

* + - Good potential since it supports many usage scenarios.

### Maintainer diversity and ladder

* + - Very good.

### Maintainer response

* + - Response is quick

### How are you participating in the project community?

* + WeI have participated in some meetings that discussed topics related to our use case. We will communicate with maitainers about some of our ideas and proposals

### **Project Strengths**

### In your opinion, what are the overall strengths of the project?

* + High Community activity, very mature project that can be used in production. Documents is complete and learning curve is fast.

### **Project Improvements**

### Extend to support more edge scenarios.

### Build better ecosystem around edge embedded devices

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