



From Tower of Babel to Babel Fish

Evolving Your Kafka Architecture
with Schema Registry

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X/Bluesky: @gamussa

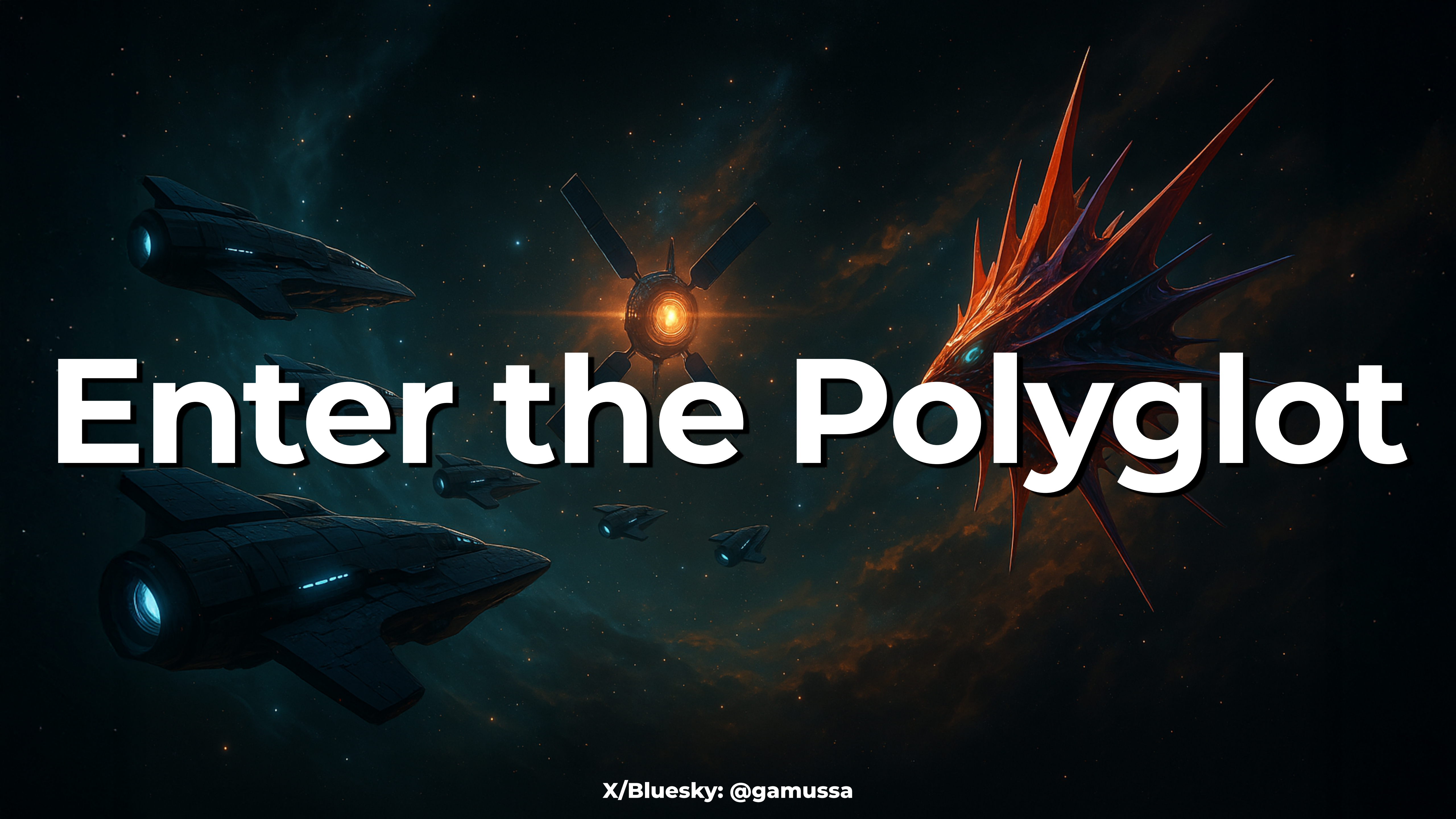
The Golden Days of Kafka



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Everything Speaks the Same Language



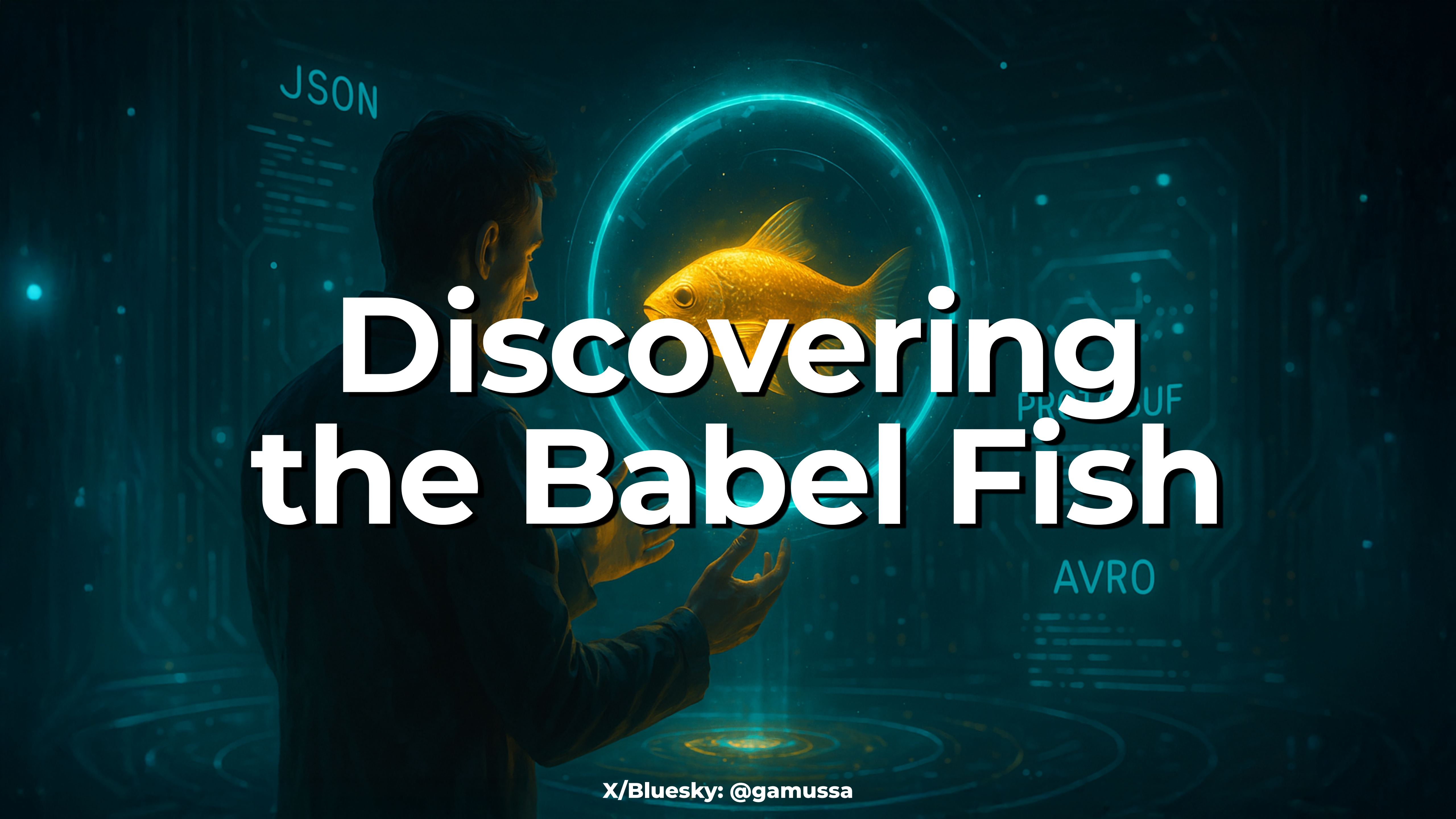
Enter the Polyglot



Chaos at the Edges

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But there is hope...



Discovering the Babel Fish

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Enter Schema Registry

Data Contract

AVRO

```
{  
  "type": "record",  
  "name": "Order",  
  "fields": {  
    "id": {  
      "name": "string",  
      "name": "string"  
    }  
  },  
  "amount": {  
    "type": "double"  
  }  
}
```



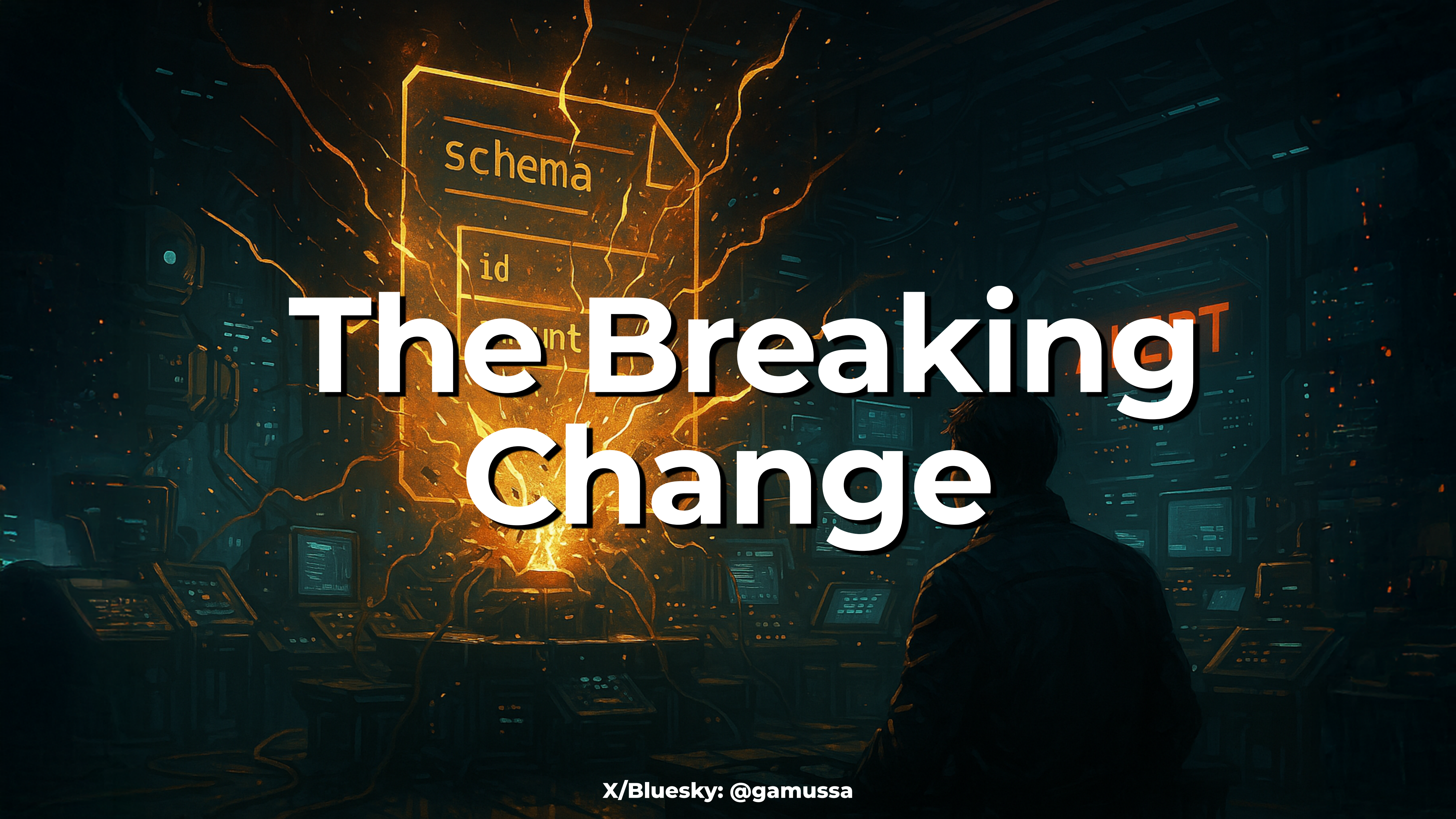
```
curl -X POST -H "Content-Type:  
application/vnd.schemaregistry.v1-json"  
--data '{"schema": "<your-schema>"}'  
http://localhost:8081/orders-  
value/version
```

Registering Schemas

A dark, atmospheric illustration of a futuristic industrial or space station interior. On the left, a large, complex robotic arm is positioned over a workbench. In the center, a person wearing a full-body spacesuit with a helmet is seen from the back, looking towards the right. The environment is filled with metallic structures, pipes, and glowing blue and orange lights, creating a sense of depth and complexity. The overall tone is mysterious and high-tech.

Integrating into CI/CD

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The background is a dark, stylized illustration of a server room. In the center, a glowing orange rectangular frame contains the text 'schema', 'id', and 'count'. The room is filled with server racks and glowing orange circuit lines. A person is visible in the foreground, looking at the server racks. The overall color palette is dark blue and black with bright orange highlights.

The Breaking Change

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A futuristic handheld device, possibly a handheld console or a specialized tool, is the central focus. It has a dark, metallic-looking frame. The screen displays the words "BACKWARD" in orange and "FORWARD" in green, with "FULL" in green and blue below them. The device has several buttons on the bottom. The background is a dark, abstract space with glowing blue and orange lines, suggesting a digital or futuristic environment.

Compatibility Modes

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Polyglot Harmony

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Schema Governance

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Schema Registry as Core Infra

The background is a complex digital illustration. It features a dark blue and teal color palette with glowing orange and yellow light sources. The scene is filled with intricate, glowing circuit-like patterns and data streams that create a sense of depth and movement. In the foreground and midground, there are silhouettes of several figures. One figure stands on the left, looking towards the center. Another figure is seated at a console on the right, interacting with multiple screens. The overall atmosphere is one of a high-tech, futuristic control room or data center.

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As always,

Have a Nice Day...

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<http://speaking.gamov.io>