

Scalable Data Streaming with Benthos

September 12th
Online Event



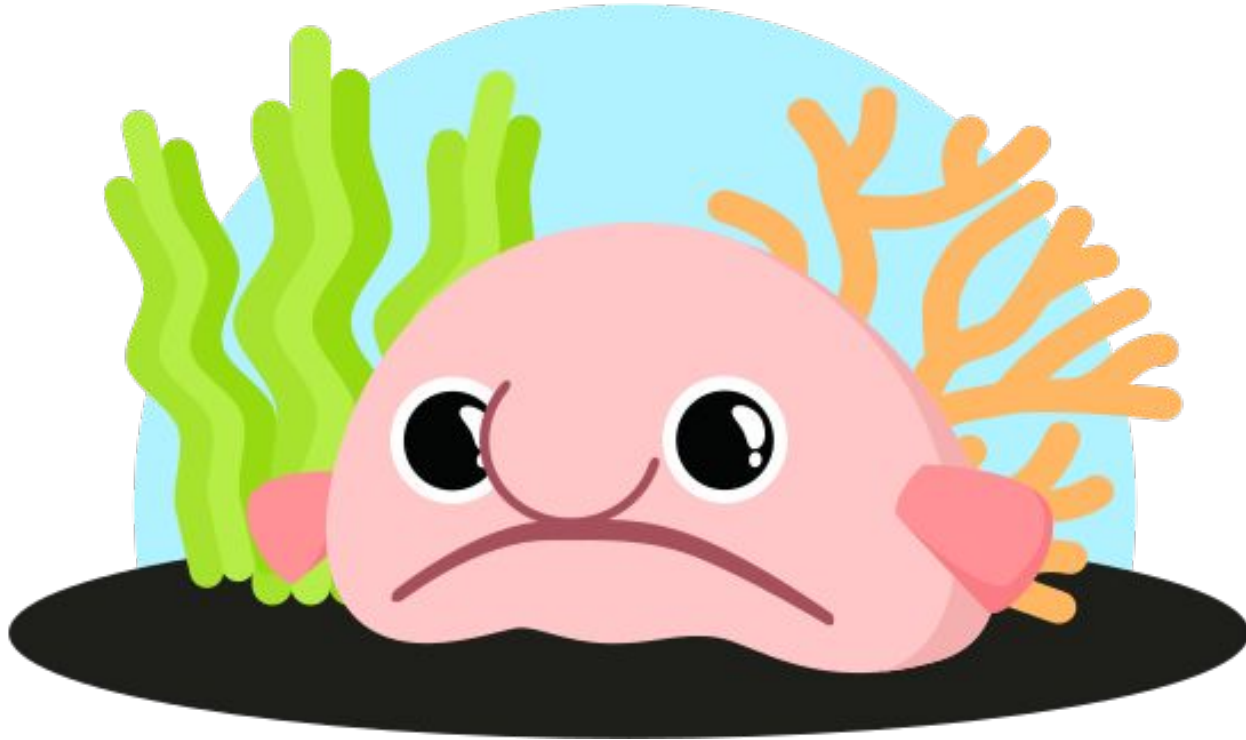
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Disclaimers

- Thoughts expressed here are my own
- Benthos is owned and maintained by Ash:
twitter.com/Jeffail
- Ash designed and built Benthos from scratch
- I am a contributor to the project

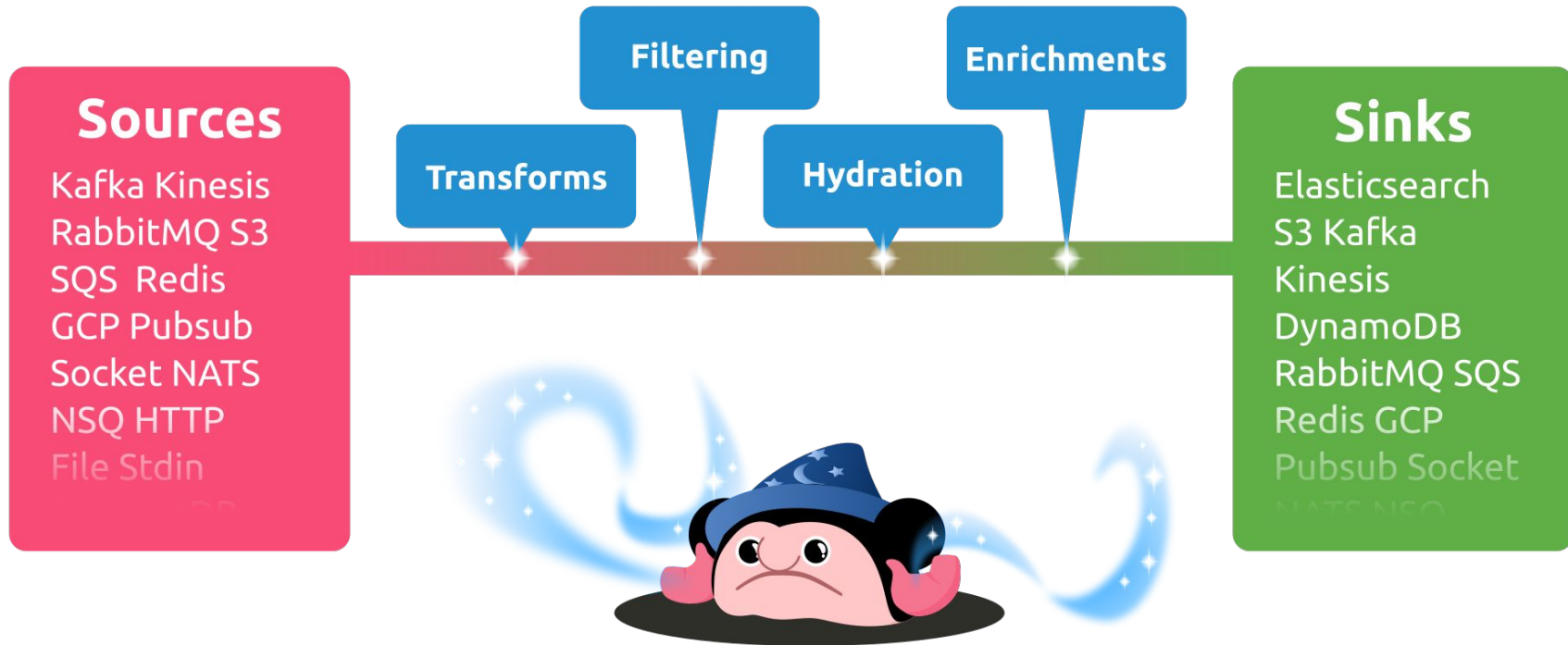


What is Benthos? benthos.dev



Hint: It has nothing to do with deep sea fish, except for the logo

What is Benthos for?



„Fancy stream processing made operationally mundane” - Ash Jeffs

Boringly easy to use

Install

```
curl -Lsf https://sh.benthos.dev | bash
```

Make a config

```
benthos create stdin//stdout > ./config.yaml
```

Run

```
benthos -c ./config.yaml
```



Features

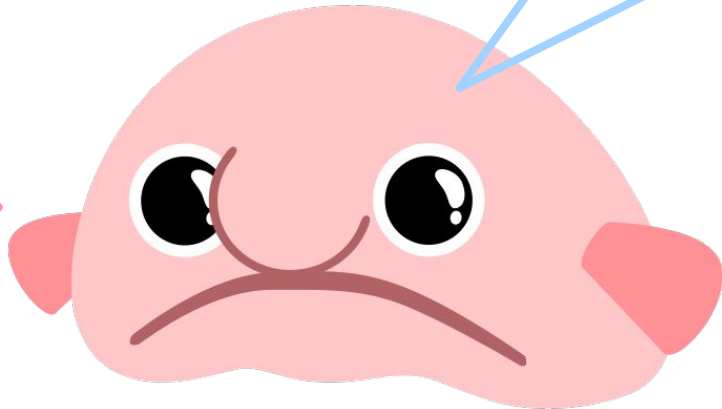
- Declarative YAML-based configuration
- Single message transforms
- At least once delivery
- Metrics and logging
- Custom Plugins
- Written in Go



Bloblang

Custom DSL for arbitrary data transforms

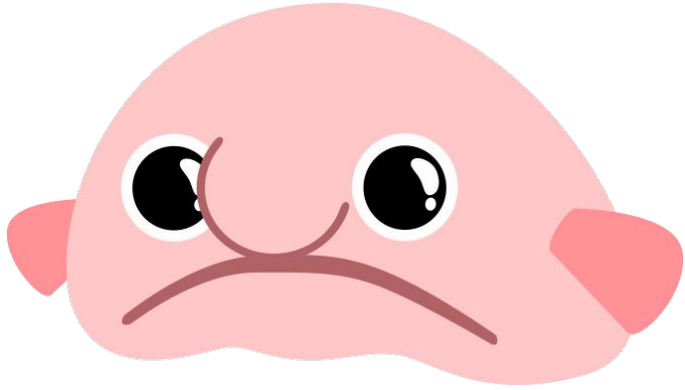
```
{  
  "doc": {  
    "type": "article",  
    "article": {  
      "id": "foo",  
      "content": "qux"  
    }  
  }  
}
```



```
{  
  "new_doc": {  
    "id": "foo",  
    "content": "qux"  
  }  
}
```

```
root.new_doc = match this.doc {  
  this.type == "article" => this.article  
  this.type == "comment" => this.comment  
  _ => this  
}
```

Deployment models



Standalone CLI app



Serverless



Kubernetes

Importing Benthos as a library

```
> go get github.com/benthosdev/benthos/v4
```

```
package main
```

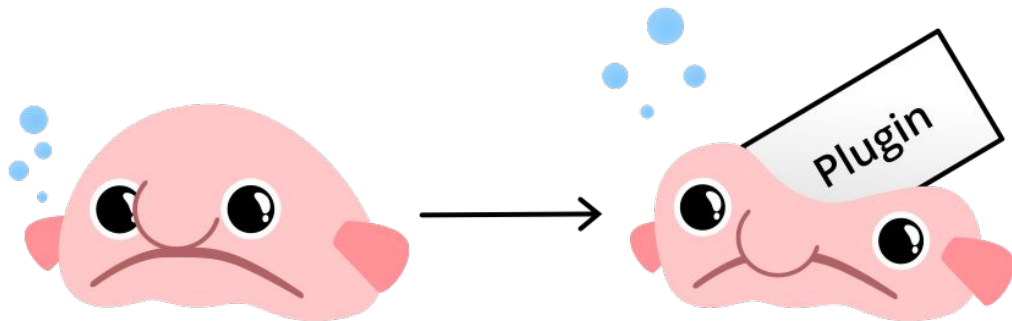
```
import (  
    "context"  
  
    "github.com/benthosdev/benthos/v4/public/service"  
  
    // Import all standard Benthos components  
    _ "github.com/benthosdev/benthos/v4/public/components/all"  
)
```

```
func main() {  
    service.RunCLI(context.Background())  
}
```



Benthos with sentiment analysis support

- Adds a new `sentiment()` Bloblang method
- Implementation here: github.com/mihaitodor/benthos-vader

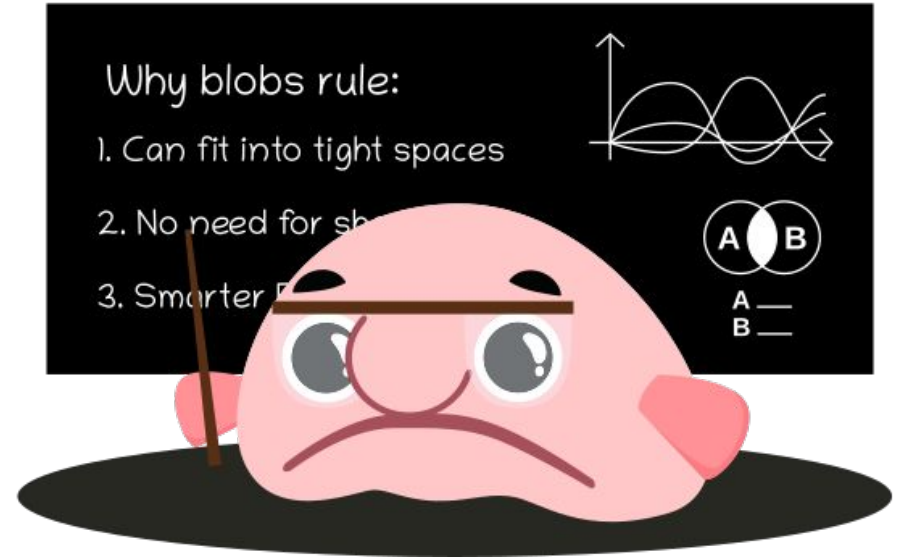


Benthos Studio



Why Open Source?

- Built on the shoulders of giants
- Community-driven features, enhancements and bug fixes
- High quality standards enforced uniformly
- Open issue tracker and permanent change history
- Avoids vendor-driven lock-in



Open Source Needs You!



Future enhancements and goodies



More adapters



Custom plugins



Benthos Studio

More resources

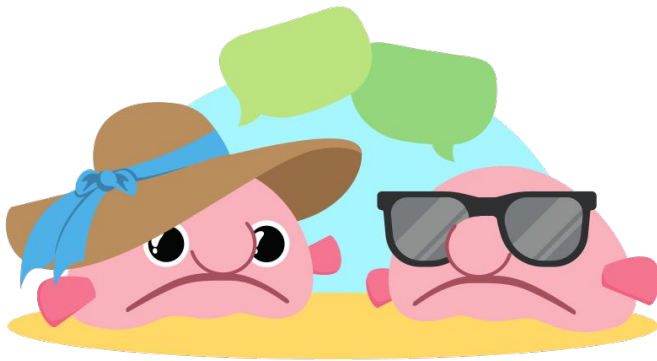
- My KnativeCon talk: youtube.com/watch?v=3OaRXwcRJJk
- Ash's YouTube channel: youtube.com/c/Jeffail
- Support page: benthos.dev/support



Community benthos.dev/community



discord.gg/6VaWjzP



invite.slack.golangbridge.org
#benthos channel

Thank you!

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