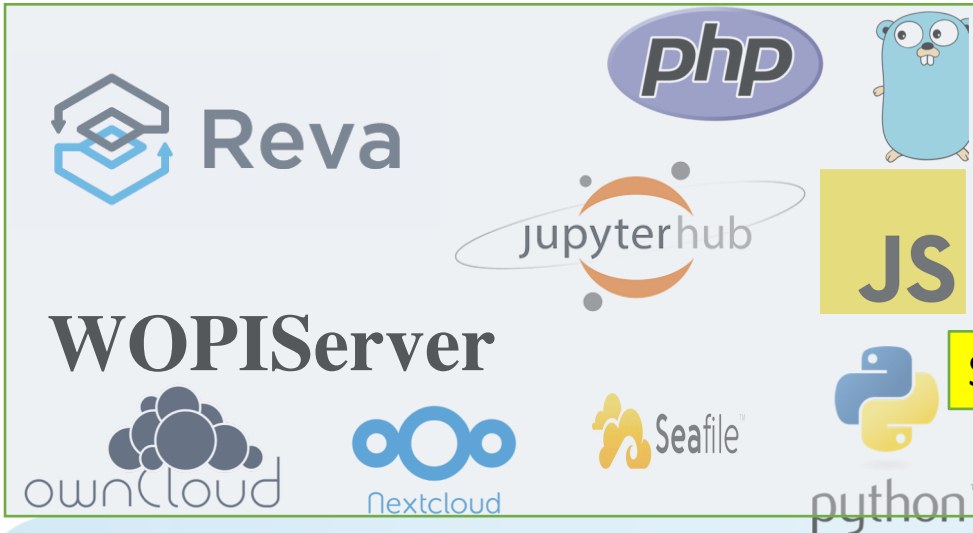


API/Protocol Design



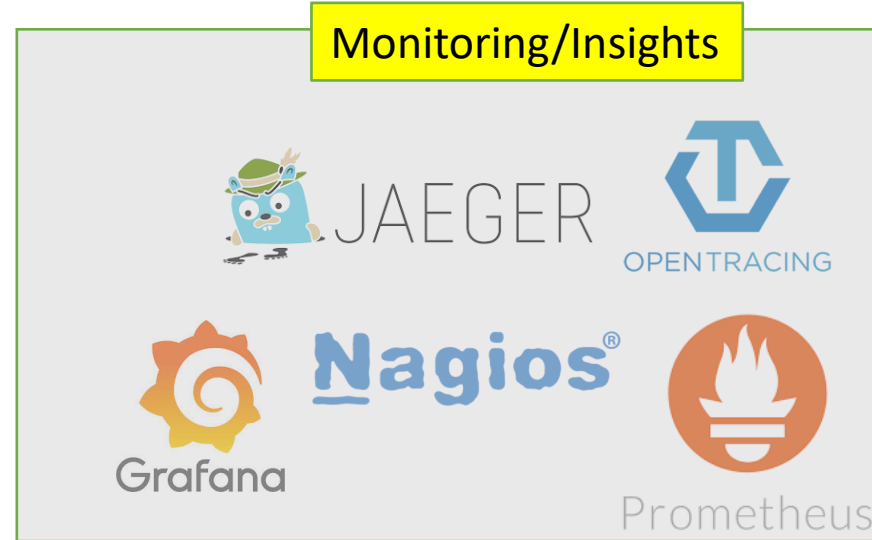
CI/CD



Software Development



Documentation Website



Monitoring/Insights



sciencemesh

<https://gitter.im/sciencemesh/>

<https://github.com/sciencemesh>


 **Repositories** 12  Packages  People 29  Teams 1  Projects 3  Settings



CS3 Organization

 <https://gitter.im/cs3org/>  <http://www.cs3community.org>  contact@cs3community.org

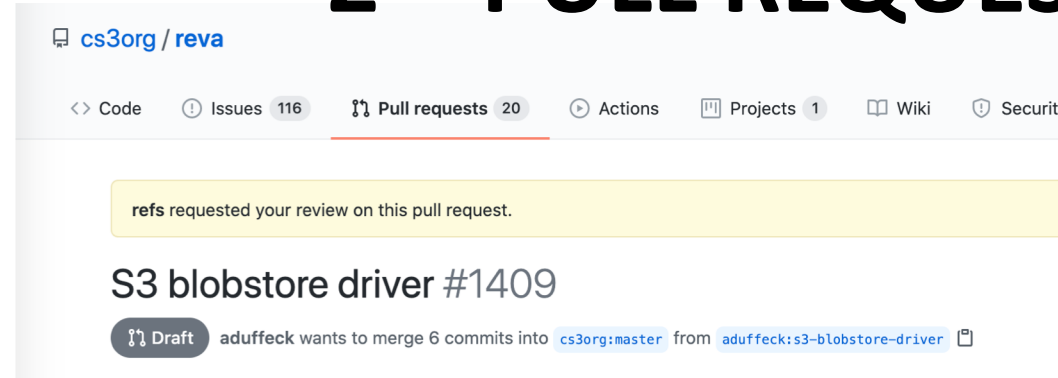
<https://github.com/cs3org>

 **Repositories** 13  Packages  People 21  Teams 6  Projects  Settings

1 – FORK



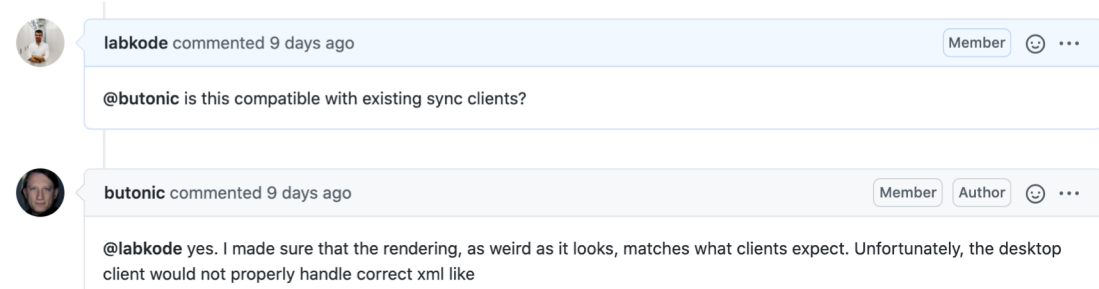
2 – PULL REQUEST

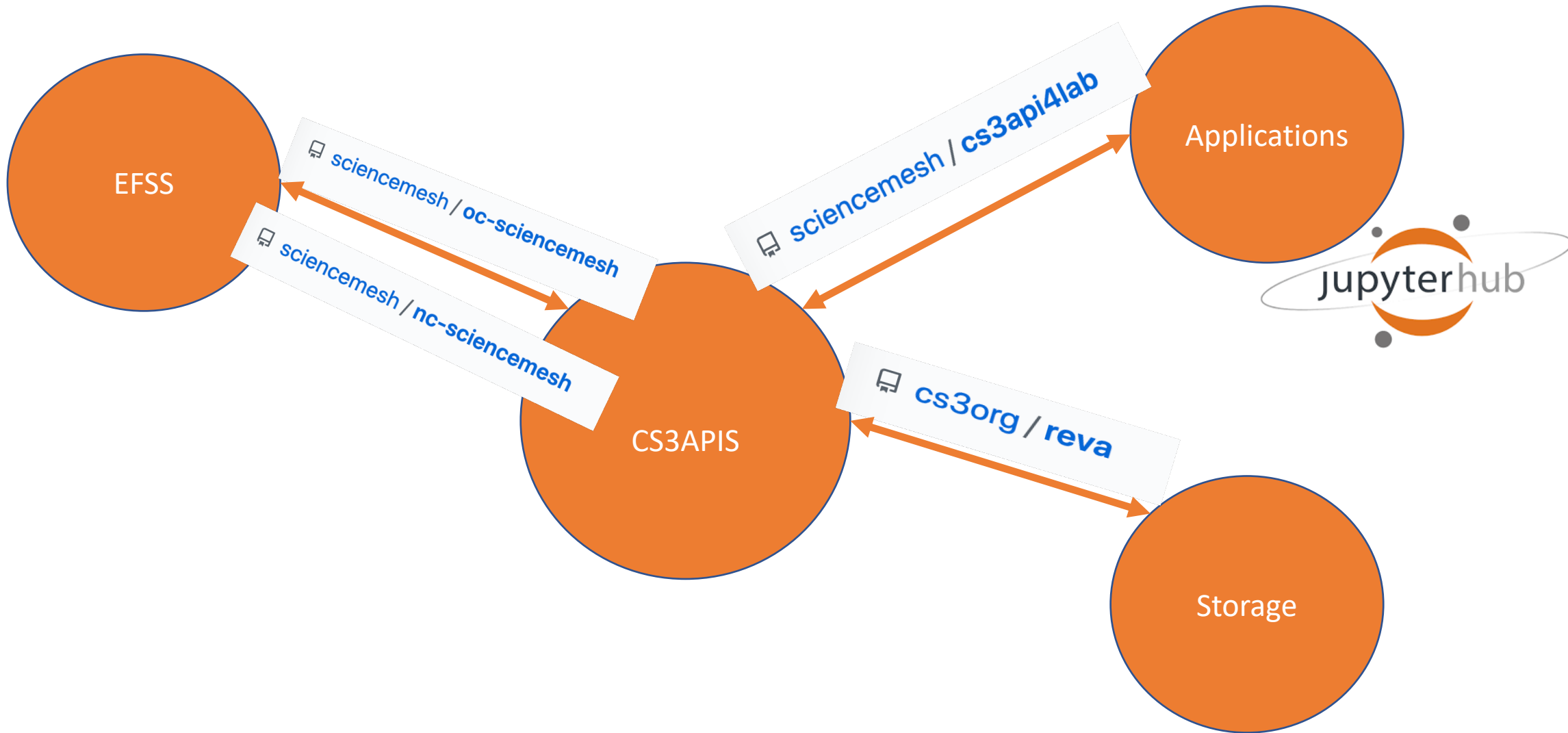


4 – MERGE



3 – DISCUSS & REVIEW



















 cs3org / [cs3apis](https://cs3apis.com/)

Protocol Documentation

Table of Contents

cs3/gateway/v1beta1/gateway_api.proto

 AuthenticateRequest	99
 AuthenticateResponse	100
 GetQuotaRequest	101
 InitiateFileDownloadResponse	102
 InitiateFileUploadResponse	103
 ListAuthProvidersResponse	104
 ListRecycleRequest	105
 ListRecycleStreamRequest	106
 OpenFileInAppProviderRequest	107
 PurgeRecycleRequest	108
 WhoAmIRequest	109
 WhoAmIResponse	110
 OpenFileInAppProviderRequest.ViewMode	111
 GatewayAPI	

cs3/gateway/v1beta1/resources.proto

AuthenticateRequest

Field	Type	Label	Description
opaque	cs3.types.v1beta1.Opaque		OPTIONAL. Opaque information.
type	string		REQUIRED. The type of authentication to use.
client_id	string		OPTIONAL. The id of the client. For basic authentication with username and password both client_id and client_secret are expected to be filled. For example, for OIDC only a token is necessary.
client_secret	string		OPTIONAL. The secret of the client.

```

},
opaque: &typespb.Opaque{
  Map: map[string]*typespb.OpaqueEntry{
    "Upload-Length": {
      Decoder: "plain",
      Value: []byte(strconv.FormatInt(md.Size(), 10)),
    },
  },
},
}

```

cs3apis

[VIEW SOURCE](#) </>

[RESTART](#) ↻

[DEPLOY](#) ☁

← ACTIVITY FEED

✓ #17. Remove duplicate IsInGroup method from user provider (#102)

 ishank011 pushed [8a19a7f6](#) to [master](#)

00:17 · 24 days ago

✓ build-and-publish 00:17

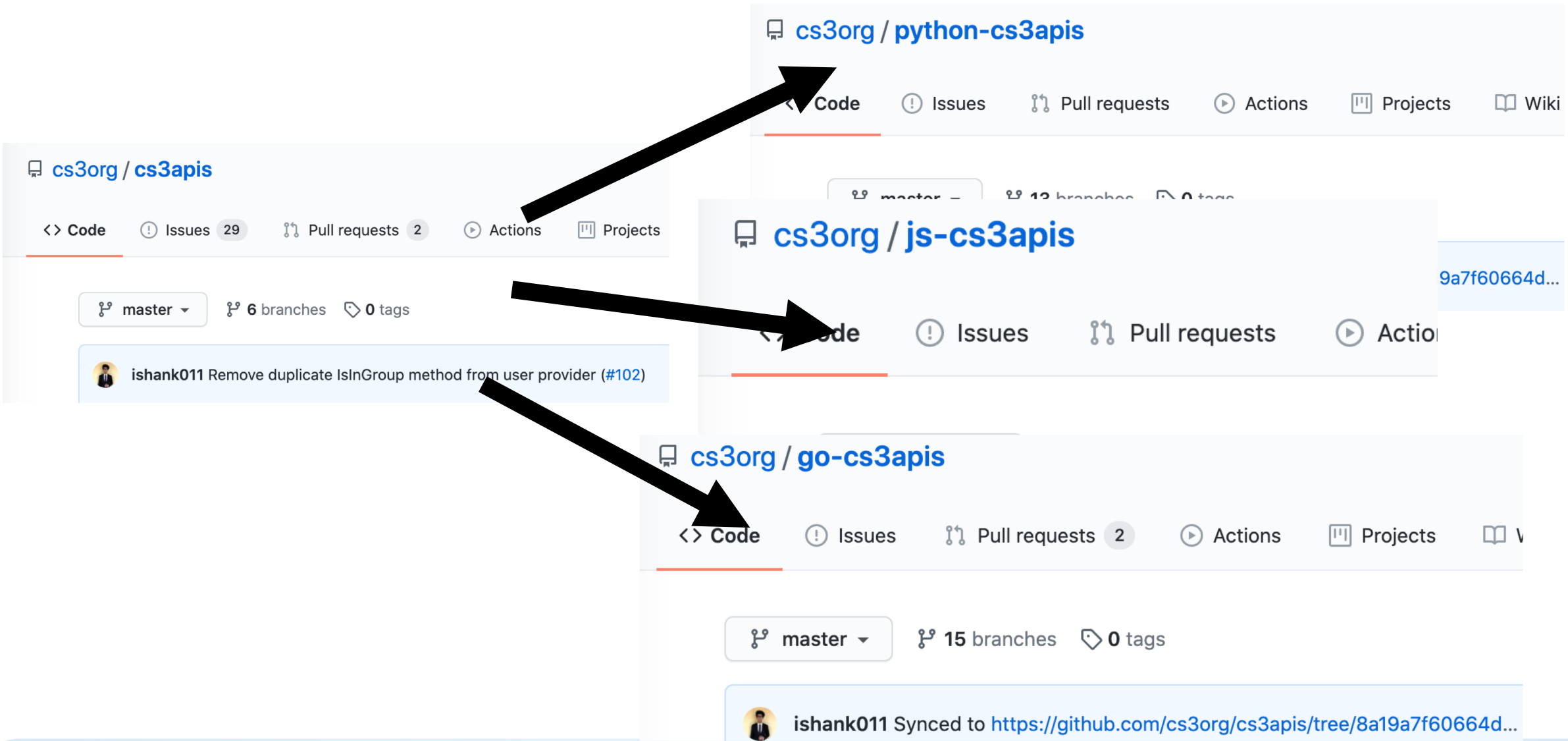
✓ clone 00:04

✓ build-and-publish 00:13

build-and-publish – clone 00:04



```
1 Initialized empty Git repository in /drone/src/.git/
2 + git fetch origin +refs/heads/master:
3 From https://github.com/cs3org/cs3apis
4 * branch          master      -> FETCH_HEAD
5 * [new branch]    master      -> origin/master
6 + git checkout 8a19a7f60664dbcff80bbe46348b30562e16abbc -b master
7 Already on 'master'
```



The image shows a collage of GitHub repository pages. A central repository, `cs3org / cs3apis`, is shown with three arrows pointing to other repositories: `cs3org / python-cs3apis`, `cs3org / js-cs3apis`, and `cs3org / go-cs3apis`. The `cs3org / cs3apis` repository page includes a commit message by `ishank011`: "Remove duplicate IsInGroup method from user provider (#102)". The `cs3org / go-cs3apis` repository page includes a commit message by `ishank011`: "Synced to <https://github.com/cs3org/cs3apis/tree/8a19a7f60664d...>".

And in major package repositories (Go, Pypi, NPM)

♥ Netherworld's Pretend Minibar

npm

🔍 `cs3apis`

1 packages found

Sort Packages

Optimal

Popularity

Quality

@cs3org/cs3apis

JavaScript bindings for the CS3 APIs to connect Storage and Application Providers

cs3-apis iop storage synchronization

 **alfageme** published 0.0.6 • 24 days ago



Search projects



cs3apis 0.1.dev47

`pip install cs3apis`



🔍 `cs3apis`

Results for "cs3apis"

[Search help](#)

1 – 10 of 36 results

github.com/cs3org/go-cs3apis/cs3/identity/user/v1beta1



Documentation

Overview

IOP

Deployment

Monitoring

Accounting Metrics

How to join
ScienceMesh?

Integrations

Changelog

Contribution

Guidelines

[Documentation](#) / [IOP](#)

Inter-Operability Platform

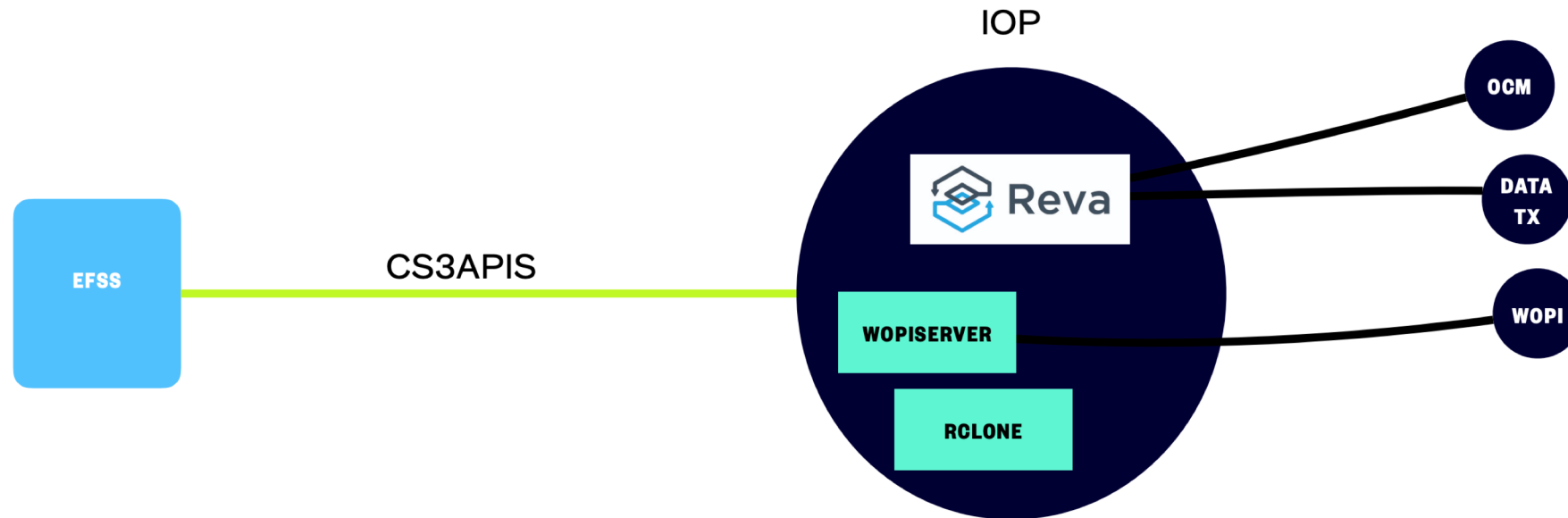
<https://developer.sciencemesh.io/docs/iop/>

What is the IOP?

What is the IOP?

ScienceMesh is the Federated Science Cloud Mesh that connects existing and heterogenous sites in a transparent way. Is very important to ensure inter-operability that the sites are able to talk to each other independently of the technology stack. For such reason, the IOP is a component to be deployed in each site to ensure compatibility across sites and being able to join the mesh.

How deploy the IOP?




The IOP contains multiple components packaged into a K8S chart for easy deployment

```
helm install iop sciencemesh/iop \
  --set-file revad.configFiles.revad\\.toml=standalone.toml \
  --set-file revad.configFiles.users\\.json=users-cern.json \
  --set-file revad.configFiles.ocm-providers\\.json=providers.demo.json \
  -f custom-ingress.yaml
```



- Go server, ideal for systems engineering
- Multi-protocol: GRPC, HTTP, add your own (WebSockets, FTP, ...)
- Implements various APIs: CS3APIS, OCM, WebDAV, OIDC, ...
- Process management done as NGINX (kill, reload, ...) to ensure prod safety
- No-nonsense config: `revad -c config -p /var/run/revad.pid`
- Modules to extend GRPC services: storages, auth mechanisms, ...
- Modules to extend HTTP services
- Service discovery, clustering, ... left to other technologies (K8s, etcd, ...)
- Keep it minimal and simple


 **Reva**

About Documentation Blog Co

Documentation / Configuration / Packages / auth / manager / oidc

oidc

Configuration for the oidc service

struct: config 

insecure **bool** **false**

Whether to skip certificate checks when sending requests. [\[Ref\]](#)

```
[auth.manager.oidc]
insecure = false
```

Documentation
Overview
Getting Started
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Core
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HTTP
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auth
manager
oidc
cbox
smtpclient
storage

gitter.im/cs3org/REVA

Apps Grafana Join CS3 Conference 2... CS3 2021- Cloud... Cas Coronavir... MyTickets Notifications Read mail View Sp

GITTER CS³ CS3 Organization/REVA <https://github.com/cs3org/reva>

ALL CONVERSATIONS

- CS³ CS3APIS
- CS³ REVA
- CS³ ScienceMesh/WP3
 - Jörn Friedrich Dreyer
 - Daniel Müller
 - Klaas Freitag
- CS³ cern-golive

Hi hi, nappy new year everyone!
I worked on a small little project that [@SamuAlfageme](#) might have a peak into <https://github.com/refs/ocis-charts>
make sure to read the gotchas

Samuel Alfageme @SamuAlfageme Jan 04 11:22
<https://github.com/refs/ocis-charts>
👁️ very noice! We are using some internal charts to deploy OCIS for the time being, with plans to contribute our learnings upstream (<https://github.com/owncloud/helm-charts>) when the time comes, this looks like a nice starting point to send PRs to!

Alex Unger @refs Jan 04 11:28
ideally I'd like to move my stuff to the official repo as well, at least as a "vanilla" starting point ^^

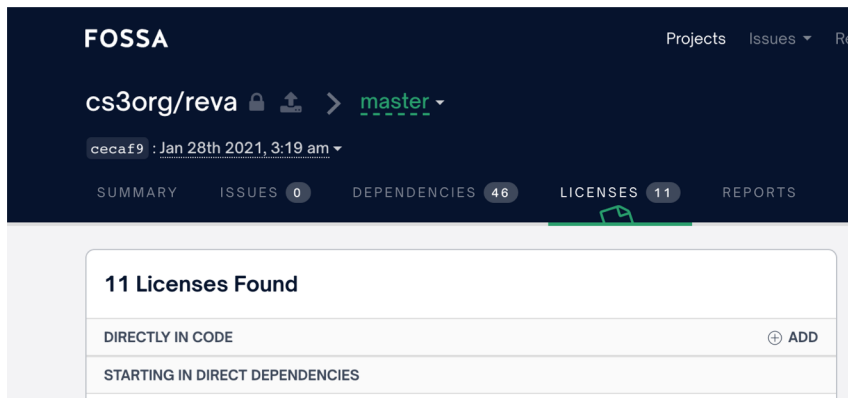
Jörn Friedrich Dreyer @butonic Jan 04 20:49

<https://reva/link>



<https://gitter.im/cs3org/REVA>

✓ #244. xcloud metrics gathering
labkode opened pull request #1403 to master

18:04 · 9 days ago




FOSSA Projects Issues Re

cs3org/reva   > master

cecaf9 · Jan 28th 2021, 3:19 am

SUMMARY ISSUES 0 DEPENDENCIES 46 LICENSES 11 REPORTS

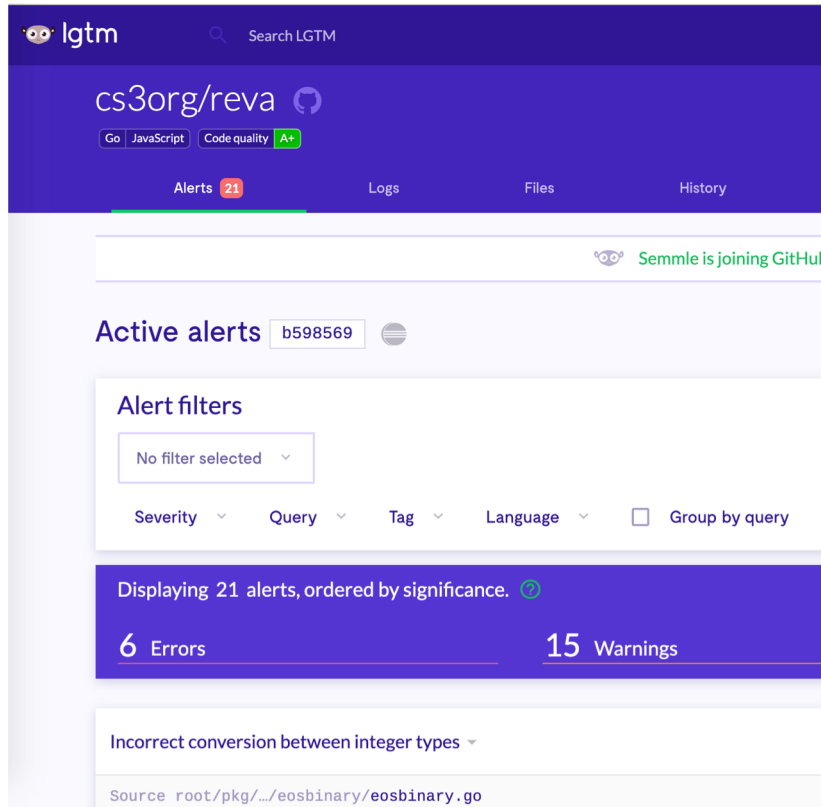
11 Licenses Found

DIRECTLY IN CODE	 ADD
STARTING IN DIRECT DEPENDENCIES	

1. License check – ensure software remains open

✓ #244. xcloud metrics gathering
labkode opened pull request #1403 to master

18:04 · 9 days ago



lgtm Search LGTM

cs3org/reva

Go JavaScript Code quality A+

Alerts 21 Logs Files History

Semmlle is joining GitHub

Active alerts b598569

Alert filters

No filter selected

Severity Query Tag Language Group by query

Displaying 21 alerts, ordered by significance.

6 Errors 15 Warnings

Incorrect conversion between integer types

Source root/pkg/.../eosbinary/eosbinary.go

2. Security vulnerability check

✓ #244. xcloud metrics gathering

 labkode opened pull request [#1403](#) to [master](#)

18:04 · 9 days ago

```
251 go test -race ./...
252 go: downloading github.com/cs3org/cato v0.0.0-20200828125504-e418fc54dd5e
253 go: downloading github.com/google/go-github v17.0.0+incompatible
254 go: downloading github.com/stretchr/testify v1.6.1
255 go: extracting github.com/cs3org/cato v0.0.0-20200828125504-e418fc54dd5e
256 go: extracting github.com/google/go-github v17.0.0+incompatible
257 go: extracting github.com/stretchr/testify v1.6.1
258 go: downloading github.com/pmezard/go-difflib v1.0.0
259 go: downloading github.com/davecgh/go-spew v1.1.1
260 go: downloading gopkg.in/yaml.v3 v3.0.0-20200605160147-a5ece683394c
261 go: extracting github.com/davecgh/go-spew v1.1.1
262 go: downloading github.com/google/go-querystring v1.0.0
263 go: extracting github.com/pmezard/go-difflib v1.0.0
```

3. Run unit tests and linters

✓ #244. xcloud metrics gathering
labkode opened pull request #1403 to master

18:04 · 9 days ago

[Documentation](#) / [Changelog](#) / [v1.5.1](#)

v1.5.1

Changelog for Reva v1.5.1 (2021-01-19)

Changelog for reva 1.5.1 (2021-01-19)

The following sections list the changes in reva 1.5.1 relevant to reva users. The changes are ordered by importance.

Summary [↪](#)

- Fix #1401: Use the user in request for deciding the layout for non-home DAV requests
- Fix #1413: Re-include the '.git' dir in the Docker images to pass the version tag
- Fix #1399: Fix ocis trash-bin purge
- Enh #1397: Bump the Copyright date to 2021
- Enh #1398: Support site authorization status in Mentix
- Enh #1393: Allow setting favorites, mtime and a temporary etag
- Enh #1403: Support remote cloud gathering metrics

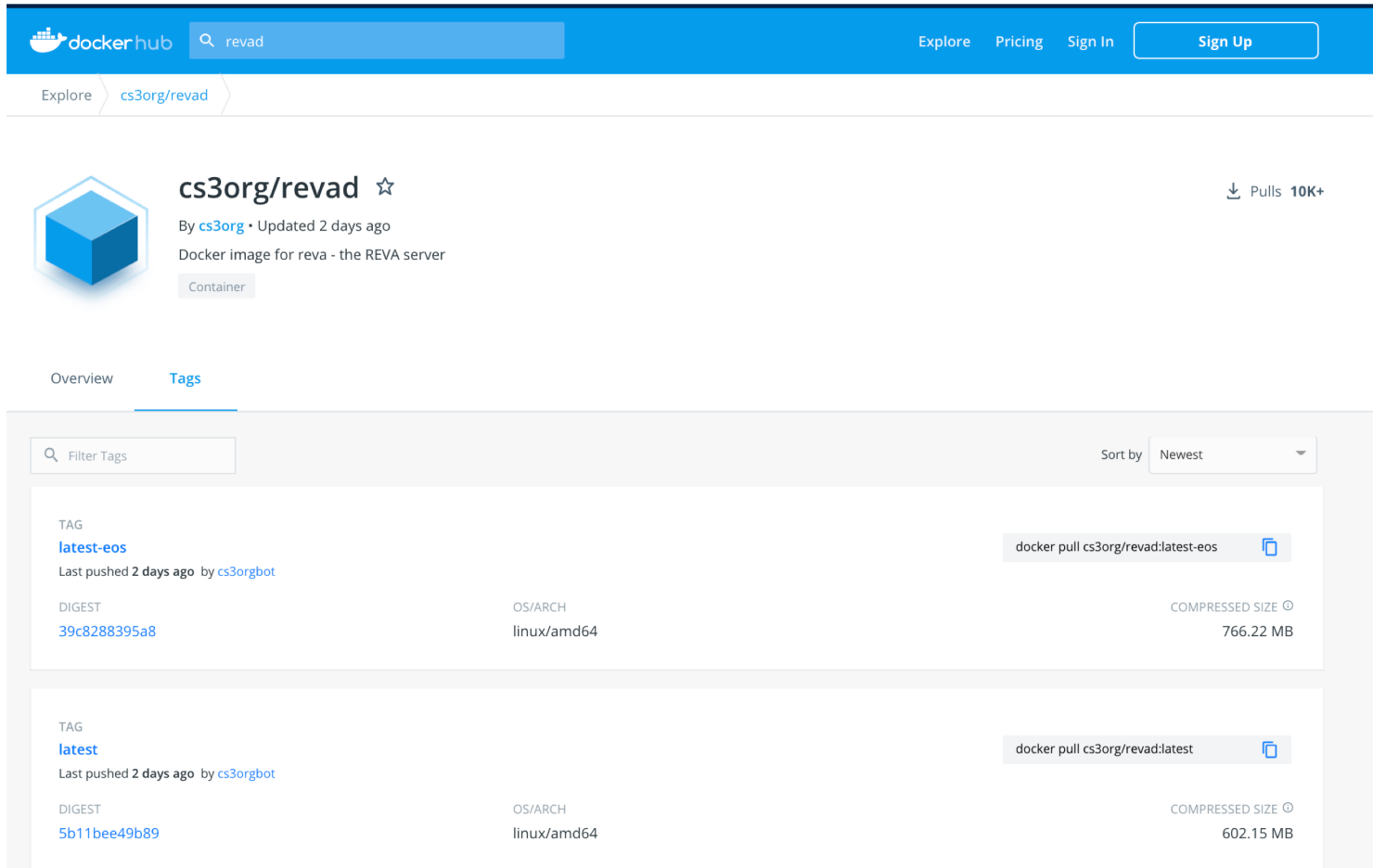
4. Enforce changelog to avoid surprises when upgrading



Index of /reva-releases/daily/2021-01-26/b5985691146a07a8c7c14562e0a9c01c16641595

Name	Last modified	Size	Description
Parent Directory		-	
reva_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_darwin_386	2021-01-26 14:19	18M	
reva_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_darwin_386.sha256	2021-01-26 14:19	64	
reva_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_darwin_amd64	2021-01-26 14:19	20M	
reva_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_darwin_amd64.sha256	2021-01-26 14:19	64	
reva_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_linux_386	2021-01-26 14:19	13M	
reva_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_linux_386.sha256	2021-01-26 14:19	64	
reva_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_linux_amd64	2021-01-26 14:19	15M	
reva_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_linux_amd64.sha256	2021-01-26 14:19	64	
revad_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_darwin_386	2021-01-26 14:19	33M	
revad_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_darwin_386.sha256	2021-01-26 14:19	64	
revad_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_darwin_amd64	2021-01-26 14:19	38M	
revad_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_darwin_amd64.sha256	2021-01-26 14:19	64	
revad_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_linux_386	2021-01-26 14:19	24M	
revad_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_linux_386.sha256	2021-01-26 14:19	64	
revad_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_linux_amd64	2021-01-26 14:19	30M	
revad_2021_01_26T141757_b5985691146a07a8c7c14562e0a9c01c16641595_linux_amd64.sha256	2021-01-26 14:19	64	

5. We store daily commit releases



The screenshot shows the Docker Hub page for the repository `cs3org/revad`. The page includes a search bar with the text "revad", navigation links for "Explore", "Pricing", "Sign In", and a "Sign Up" button. Below the navigation is a breadcrumb trail: "Explore > cs3org/revad". The repository details section shows the repository name "cs3org/revad" with a star icon, updated "2 days ago", and a description "Docker image for reva - the REVA server". It also indicates "Pulls 10K+" and a "Container" label. The "Tags" tab is selected, showing a list of tags. The list includes a search bar "Filter Tags", a "Sort by" dropdown set to "Newest", and two entries:

TAG	DIGEST	OS/ARCH	COMPRESSED SIZE
latest-eos Last pushed 2 days ago by cs3orgbot	39c8288395a8	linux/amd64	766.22 MB
latest Last pushed 2 days ago by cs3orgbot	5b11bee49b89	linux/amd64	602.15 MB

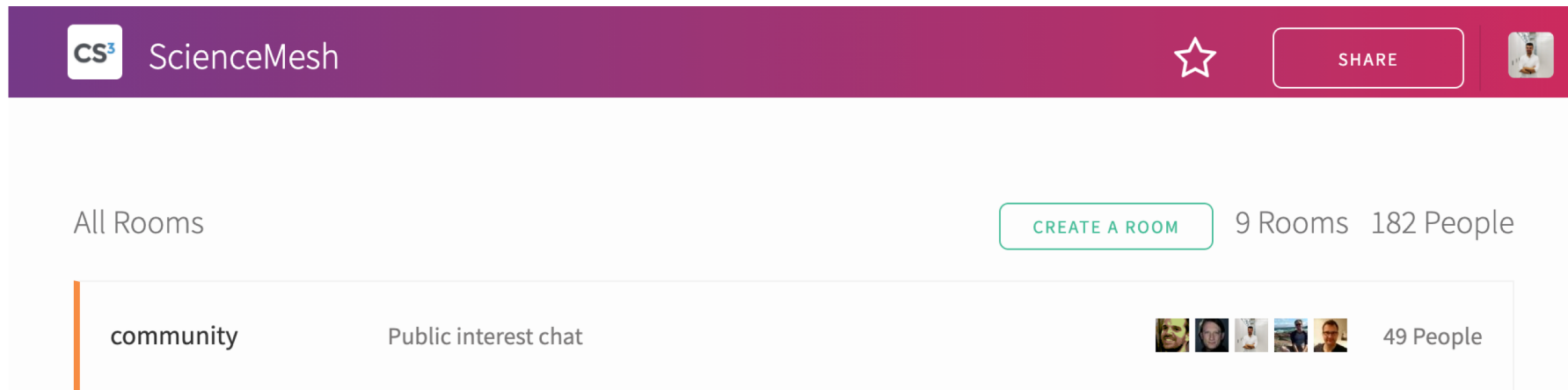
6. Docker images are created daily

Major areas for improvement, want to help?

- # Documentation and how-to tutorials
- # Package distribution using native package managers (RPM, APT, Snapcraft, Flatpack, ...)
- # Runtime plugins
- # More testing (unit, end to end)
- # Benchmarking (stress tests, ...)

<https://gitter.im/sciencemesh>

<https://gitter.im/cs3org>



The screenshot shows the ScienceMesh Gitter page. At the top, there is a purple header with the ScienceMesh logo and name, a star icon, and a 'SHARE' button. Below the header, there is a section for 'All Rooms' with a 'CREATE A ROOM' button and statistics for '9 Rooms' and '182 People'. A list of rooms is shown below, with the 'community' room selected. The 'community' room is described as a 'Public interest chat' and has 49 people. A row of five profile pictures is shown next to the room name.