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# FINOS

# Architecture as Code



Fintech  
Open Source  
Foundation

2023-08-08

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# Say hi 🖐️

Please visit <https://tinyurl.com/3vbr34f4>  
and add your name and company in a  
comment to the meeting issue





**FINOS**

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# Antitrust Policy

All project meetings are subject to the [Linux Foundation Antitrust Policy](#).

The following topics must not be discussed:

- Price-sensitive information
- Actual or projected changes in production, output, capacity or inventories
- Matters relating to bids, prospective bids, or bid policies
- Matters relating to actual or potential individual suppliers that might influence the business conduct of firms toward such suppliers
- Matters relating to actual or potential customers that might have the effect of influencing the business conduct of firms toward such customers
- Current or projected costs of procurement, development or manufacture of any product
- Market shares for any product or for all products
- Confidential or otherwise sensitive business plans or strategy

If you have questions, please contact [legal@finos.org](mailto:legal@finos.org).

# What's the idea?

Codifying the logical design and behavior of software systems.

The concept of "Architecture as Code" (AasC) aims to devise and manage software architecture via a readable and version-controlled codebase, fostering a robust understanding, efficient development, and seamless maintenance of complex software architectures.



# What could (or should) we focus on?

## Blueprints

Pre-authored and approved architectures available as documentation

## Digital Twins

Electronic representations of our existing systems

## AasC to lasC

Automated creation and deploy from approved architecture to prod

## Manifest

What do we need to capture to codify an system architecture?

## Systematic Assurance

Ability to confirm a running application matches it's documented architecture

## Ask AasC!

Natural language interrogation of system architectures

## Documentation

Definition of tools to enable simpler documentation of system architectures

## Fitness Functions

Ability to map a systems documented architecture against verifiable fitness scores



See the word cloud we made in the call on the last slide

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Next steps. **Confirm top priorities.** Determine one working priority or several. **Agree specific outcomes.**

# Until next time?

Volunteer to be involved in your top priority and work with our community

Get involved on the discussion board and project board

Spread the word at your firm and with your contacts

Visit <http://devops.finos.org/>

## What could (or should) we focus on?

16 Responses

