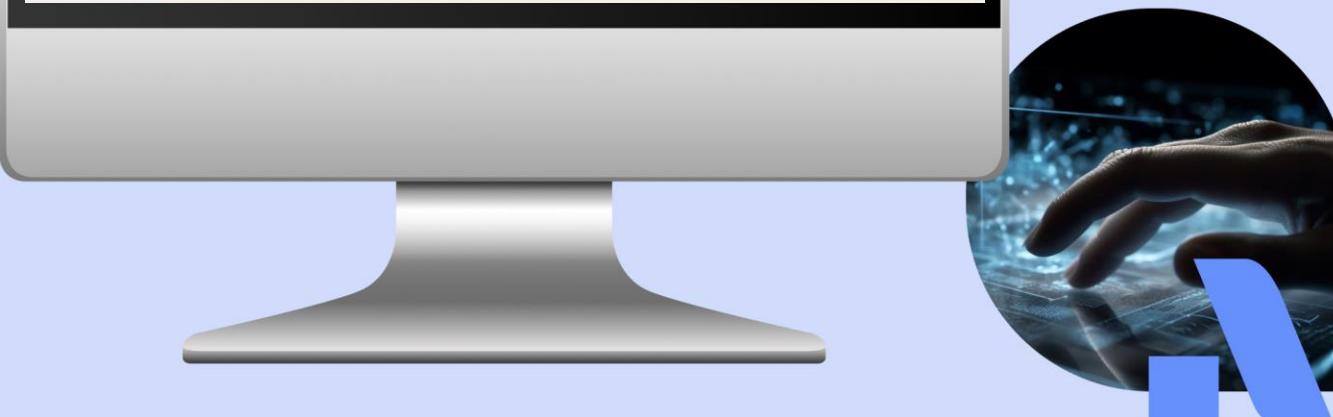


EBA VALIDATIONS PARADISE

BY



adam.

Validator



adam.

Validator

The screenshot displays the adam. Validator application running on a tablet. The interface includes a sidebar with navigation options like 'New execution', 'Executions' (selected), 'Filings status', 'Statistics', 'Settings', and 'Explorer'. The main content area shows an execution log for 'Bankington-COREP_OF-2024-Q4-0001.zip' dated 07.10.2024, 09:32:08, assigned to Laura Müller. It lists validation file details, dependencies, missing files, and submission information. A 'Download execution report (JSON)' button is also present. Below this, a 'Statistics' section provides a breakdown of validation results: 200 validations (2 warnings, 0 errors, 0 exceptions, 198 ok), with a note about preconditions. To the right, three circular icons summarize the data: '2 Warnings', '198 Ok', and '49,7 Validation time'.

Executions > Bankington-COREP_OF-2024-Q4-0001.zip

Bankington-COREP_OF-2024-Q4-0001.zip
07.10.2024, 09:32:08 | Assigned to Laura Müller

Execution information

Validation file: Bankington-COREP_OF-2024-Q4-0001.zip
Checksum: md5sum b8d72777291798fee4a44a80058630df

Dependencies: [COREP_LE] Bankington-COREP_LE-2024-QA.zip
[COREP_LR] Bankington-COREP_LR-2024-QA.zip
Checksum: 2b067c0ddbc7c273c6526b77418a8bd3
Checksum: a35b7ff0f0d91dcc462c8afba46c8e022

Missing files: [COREP_LE 2024 Q4]
Submitted by: Laura Mateos

Download execution report (JSON)

Statistics

Number of validations 200 (100,0%)

- Warnings 2 (01,0%)
- Errors 0 (00,0%)
- Exceptions 0 (00,0%)
- Ok 198 (99,0%)
determined by preconditions 198/198 (61,4%)

Time 49,7seg

2 Warnings

198 Ok

49,7 Validation time

meaningful DATA



a adam.

**advanced
dpm
analysis
mechanism**



a dvanced
d pm
a nalysis
m echanism

adam.



EXPLORER

Compare versions of v0330_m:

From Version Start Release: 3.4 | End Release: 4.0 To Version Start Release: 4.0 | End Release: Open

Expression with `default: 0, interval: true;`:
`{C_08.01.b, r010-0170, c0120} <= {C_08.01.a, (r010, r015, r016, r017, r018, r019, r0900, r0910, r070, r080, r0160, r0170), c0110}`

Precondition Expression `{v_C_08.01}`

Start Release 3.4 End Release 4.0

Validation type User_defined

Tables C_08.01.b, C_08.01.a

Validation type user defined

COREP_OF 3.4.0 COREP_OF 4.0.0

Close

A screenshot of the Adam Explorer interface. The main window shows a list of modules on the left and a detailed comparison dialog on the right. The comparison dialog is titled 'Compare versions of v0330_m:' and shows two sections: 'From Version' (start release 3.4, end release 4.0) and 'To Version' (start release 4.0, end release open). It displays code snippets for expressions and precondition expressions, along with tables and validation types. A 'Validation type' section indicates 'User_defined'. At the bottom, there are status indicators for 'COREP_OF 3.4.0' and 'COREP_OF 4.0.0'.



EXPLORER

The screenshot shows the Adam Explorer interface. On the left, there's a sidebar with a tree view of modules like AE, COREP, DORA, ESG, FC, FINREP, FINREPCOVID19, FP, GSII, IF, IMPRAC, IPU, IRRBB, MICA, MREL, PAY, PILLAR3, REM, RES, and SBP. The main area has tabs for 'Validate' and 'Compare'. A modal window titled 'Compare versions of v0330_m:' is open, comparing 'From Version' (Release 3.4) with 'To Version' (Release 4.0). It shows code snippets for expressions and precondition expressions, along with tables for start and end releases, endorsement, and validation types.

VALIDATOR

The screenshot shows the Adam Validator interface. It displays an execution report for 'Bankington-COREP_OF-2024-Q4-0001.zip' from 07.10.2024 at 09:32:08, assigned to Laura Müller. The report includes execution information, statistics (with 200 validations, 2 warnings, 0 errors, 0 exceptions, and 198 Ok), and performance metrics (2 warnings, 198 Ok, 49.7seg validation time). Circular progress bars indicate the status of different validation components.

adam.

EXPLORER

The screenshot shows the adam Explorer interface with a modal dialog titled "Compare versions of v0330_m:". The modal has two tabs: "From Version" (Release 3.4) and "To Version" (Release 4.0). The "From Version" tab displays an expression with a precondition expression: `with {v, default: 0, interval: true}; [IC_08_01.b, r0010-r0170, c0120] <= [IC_08_01.a, (r0010, r0015, r0016, r0017, r0018, r0019, r0900, r010, r0070, r0080, r0160, r0170), c0110]`. The "To Version" tab also shows the same expression and precondition. Below the tabs, there are sections for "Start Release" (3.4 and 4.0), "End Release" (4.0), "Tables" (C_08.01.a, C_08.01.b), and "Validation type" (user defined). The main Explorer interface on the right shows a tree view of modules like AE, COREP, DORA, ESG, FC, FINREP, FINREPCOVID19, FP, GSII, IF, IMPRAC, IPU, IRRBB, MICA, MREL, PAY, PILLAR3, REM, RES, and SBP, each with a version number.

VALIDATOR

The screenshot shows the adam Validator interface. At the top, it displays "Executions > Bankington-COREP_OF-2024-Q4-0001.zip" with a status of "07.10.2024, 09:32:08 | Assigned to Laura Müller" and "Full validation | 2 warnings". The left sidebar includes "New execution", "Executions" (selected), "Filings status", "Statistics", and "Settings". The "Statistics" section provides a summary of the validation results:

Category	Count	Percentage
Warnings	2	(01,0%)
Errors	0	(00,0%)
Exceptions	0	(00,0%)
Ok	198	(99,0%)

Detailed breakdown: determined by preconditions 18/198 (61,4%). Below this, a "Time" section shows "49.7seg". On the right, three circular performance metrics are displayed: "2 Warnings" (red), "198 Ok" (green), and "49,7 Validation time" (blue).

EBA DPM COVERAGE = 100%

UX

OX

UX



OX

UX



OX

UX



OX



Search by...



Sort by recent date

[New execution](#)[Executions](#)[Filings status](#)[Statistics](#)[Settings](#)[Explorer](#)

Status	Execution	Date	Reviewer	Validation Result
	Bankington-COREP_LR-2024-Q3-0002.zip	12.09.2024, 10:45:09		Pending...
	FiliBank-COREP_LR-2024-Q3-0002.zip	08.09.2024, 19:12:08		Pending...
				3 warnings
				Unknown
				3 warnings
				2 warnings
				ok
				ok
				1 error
				1 error
				ok
				ok
				2 warnings

New execution



Select XBRL file

or drop it here

1

2

Start execution

[Log out](#)

Bankington-COREP_OF-2024-Q4-0001.zip



1 2 >



New execution

Executions

Filings status

Statistics

Settings

Explorer



Status	Execution	Date	Reviewer	Validation Result
	Bankington-COREP_OF-2024-Q4-0001.zip	COREP_OF 2024 Q4		Pending...
	Checksum: b8d72777291798fee4a44a80058630df			Pending...
				3 warnings
				Unknown
				3 warnings
				2 warnings
				ok
				ok
				1 error
				1 error
				ok
				ok
				2 warnings

New execution



Bankington-COREP_OF-2024-Q4-0001.zip

Checksum: b8d72777291798fee4a44a80058630df

COREP_OF 2024 Q4

Please, add dependency files

Dependency 1:

COREP_LR 2024 Q4

Dependency 2:

COREP_LE 2024 Q4

 Select XBRL file
or drop it here Select XBRL file
or drop it here

1

2

Start execution

Finished

Bankington-COREP_LR-2024-Q3-0002.zip

12.09.2024, 16:45:09

Emma Johansson

Finished

FiliBank-COREP_LR-2024-Q3-0002.zip

08.09.2024, 19:12:08

Laura Müller

Log out



Bankington-COREP_OF-2024-Q4-0001.zip



1 2 >



Search by...



Sort by recent date

[New execution](#)[Executions](#)[Filings status](#)[Statistics](#)[Settings](#)[Explorer](#)

Status	Execution	Date	Reviewer	Validation Result
Pending...				
Pending...				
3 warnings				
Unknown				
3 warnings				
2 warnings				
ok				
ok				
1 error				
1 error				
ok				
ok				
2 warnings				

New execution

Bankington-COREP_OF-2024-Q4-0001.zip

Checksum: b8d72777291798fee4a44a80058630df

COREP_OF 2024 Q4



Please, add dependency files

Dependency 1:

COREP_LR 2024 Q4

File attached:

Bankington-COREP_LR-2024-QA.zip

2b067c0dcbc7c273c6526b77418a8bd3

Dependency 2:

COREP_LE 2024 Q4

 Select XBRL file
or drop it here

1

2

[Start execution](#)[Log out](#)

Bankington-COREP_OF-2024-Q4-0001.zip



1 2 >



New execution

Executions

Filings status

Statistics

Settings

Explorer



Status	Execution	Date	Reviewer	Validation Result
	Pending...			
	Pending...			
	3 warnings			
	Unknown			
	3 warnings			
	2 warnings			
	ok			
	ok			
	1 error			
	ok			
	1 error			
	ok			
	ok			
	2 warnings			



Are you sure do you want to continue?

The following dependencies are missing. Without the full set of dependencies only a partial validation can be provided.

COREP_LE 2024 Q4

No, add dependency files

Yes, start partial execution

[→] Log out



New execution

Executions

Filings status

Statistics

Settings

Explorer



Log out

Status ↓↑	Execution ↓↑	Date ↓↑	Reviewer ↓↑	Validation Result ↓↑
Received	Bankington-COREP_OF-2024-Q4-0001.zip	07.10.2024, 09:32:08	Laura Müller	Pending...
Running 19%	Bankington-COREP_LR-2024-Q4-0002.zip	02.10.2024, 19:26:19	Laura Müller	Pending...
Finished	FiliBank-COREP_LR-2024-Q4-0002.zip	27.09.2024, 21:12:42	Pierre Dubois	3 warnings
Failed	PostBank_AE-2024-Q4-0002.zip	25.09.2024, 19:32:03	Olga Ivanova	Unkown
Finished	PostBank_AE-2024-Q4-0001.zip	25.09.2024, 17:26:19	Pierre Dubois	3 warnings
Finished	Bankington-COREP_OF-2023-Q4-0001.zip	25.09.2024, 11:12:46	Pierre Dubois	2 warnings
Finished	Bankington-COREP_LR-2023-Q4-0002.zip	24.09.2024, 12:32:21	Laura Müller	ok
Finished	FiliBank-COREP_LR-2023-Q4-0002.zip	24.09.2024, 07:26:35	Laura Müller	ok
Finished	PostBank_AE-2023-Q4-0002.zip	21.09.2024, 15:12:13	Emma Johansson	1 error
Finished	PostBank_AE-2024-Q3-0001.zip	18.09.2024, 21:45:38	Olga Ivanova	1 error
Finished	Bankington-COREP_OF-2024-Q3-0001.zip	14.09.2024, 14:26:19	Emma Johansson	ok
Finished	Bankington-COREP_LR-2024-Q3-0002.zip	12.09.2024, 16:43:09	Emma Johansson	ok
Finished	FiliBank-COREP_LR-2024-Q3-0002.zip	08.09.2024, 19:12:08	Laura Müller	2 warnings



Validating Bankington-COREP_LR-2024-Q4-0002.zip



1 2 >

[New execution](#)[Executions](#)[Filings status](#)[Statistics](#)[Settings](#)[Explorer](#)

Bankington-COREP_OF-2024-Q4-0001.zip

07.10.2024, 09:32:08 | Assigned to Laura Müller

[Full validation](#)

2 warnings

Execution information ⓘ

File: Bankington-COREP_OF-2024-Q4-0001.zip

Checksum: b8d72777291798fee4a44a80058630df

Dependencies: [COREP_LE] Bankington-COREP_LE-2024-QA.zip
[COREP_LR] Bankington-COREP_LR-2024-QA.zip

Checksum: 2b067c0dcbe7c273c6526b77418a8bd3

Checksum: a35b7ff0f0d91dcc462c8afb46c8e022

Submitted by: Laura Mateos

[Download execution report \(JSON\)](#)

Statistics

Number of validations 200 (100,0%)

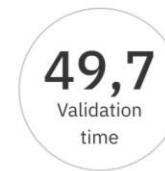
● Warnings 2 (01,0%)

● Errors 0 (00,0%)

● Exceptions 0 (00,0%)

● Ok 198 (99,0%)

determined by preconditions 18/198 (61,4%)



Time

49,7seg

[Log out](#)

[New execution](#)[Executions](#)[Filings status](#)[Statistics](#)[Settings](#)[Explorer](#)

Bankington-COREP_OF-2024-Q4-0001.zip

07.10.2024, 09:32:08 | Assigned to Laura Müller

[Full validation](#)

2 warnings

Execution information ⓘ

File: Bankington-COREP_OF-2024-Q4-0001.zip

Dependencies: [COREP_LE] Bankington-COREP_LE-2024-QA.zip
[COREP_LR] Bankington-COREP_LR-2024-QA.zip

Checksum: b8d72777291798fee4a44a80058630df

Checksum: 2b067c0dcbe7c273c6526b77418a8bd3

Checksum: a35b7ff0f0d91dcc462c8afb46c8e022

Submitted by: Laura Mateos

[Download execution report \(JSON\)](#)

Statistics

Number of validations 200 (100,0%)

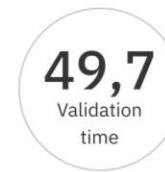
● Warnings 2 (01,0%)

● Errors 0 (00,0%)

● Exceptions 0 (00,0%)

● Ok 198 (99,0%)

determined by preconditions 18/198 (61,4%)



Time 49,7seg

[Log out](#)

[New execution](#)[Executions](#)[Filings status](#)[Statistics](#)[Settings](#)[Explorer](#)

Bankington-COREP_OF-2024-Q4-0001.zip

07.10.2024, 09:32:08 | Assigned to Laura Müller

[Full validation](#)

2 warnings

Execution information ⓘ

File: Bankington-COREP_OF-2024-Q4-0001.zip

Dependencies: [COREP_LE] Bankington-COREP_LE-2024-QA.zip
[COREP_LR] Bankington-COREP_LR-2024-QA.zip

Submitted by: Laura Mateos

[Download execution report \(JSON\)](#)

Checksum: b8d72777291798fee4a44a80058630df

Checksum: 2b067c0dcbe7c273c6526b77418a8bd3

Checksum: a35b7ff0f0d91dcc462c8afb46c8e022

Statistics

Number of validations 200 (100,0%)

● Warnings 2 (01,0%)

● Errors 0 (00,0%)

● Exceptions 0 (00,0%)

● Ok 198 (99,0%)

determined by preconditions 18/198 (61,4%)

Time 49,7seg



Log out

[New execution](#)[Executions](#)[Filings status](#)[Statistics](#)[Settings](#)[Explorer](#)

Bankington-COREP_OF-2024-Q4-0001.zip

07.10.2024, 09:32:08 | Assigned to Laura Müller

[Full validation](#)

2 warnings

Execution information ⓘ

File: Bankington-COREP_OF-2024-Q4-0001.zip

Checksum: b8d72777291798fee4a44a80058630df

Dependencies: [COREP_LE] Bankington-COREP_LE-2024-QA.zip
[COREP_LR] Bankington-COREP_LR-2024-QA.zip

Checksum: 2b067c0dcbe7c273c6526b77418a8bd3

Checksum: a35b7ff0f0d91dcc462c8afb46c8e022

Submitted by: Laura Mateos

[Download execution report \(JSON\)](#)

Statistics

Number of validations 200 (100,0%)

● Warnings 2 (01,0%)

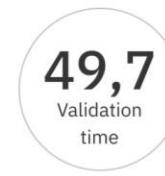
● Errors 0 (00,0%)

● Exceptions 0 (00,0%)

● Ok 198 (99,0%)

determined by preconditions 18/198 (61,4%)

Time 49,7seg



Log out

[New execution](#)[Executions](#)[Filings status](#)[Statistics](#)[Settings](#)[Explorer](#)[Log out](#)

Bankington-COREP_OF-2024-Q4-0001.zip

07.10.2024, 09:32:08 | Assigned to Laura Müller

[Full validation](#)

2 warnings

1/2 | WARNING #v8070_m (1 occurrence)

5 comments

DPM_XL: with {tC_90.00, r*}:

{c0070} * {c0080} * {c0090} * {c0100} * {c0070} * {c0080} * {c0090} * {c0100} * {c0101} * {c0102} * {c0103} * {c0104}

=

{c00200} + {c0090} * {c0100} * {c0070} * {c0080}

Interval: 158,602,200.0 +- 0.5 = 169,602,200.0 +- 2.5**Occurrence 1 - #v8070_m****with {tC_90.00, r20}:**

{c0080}

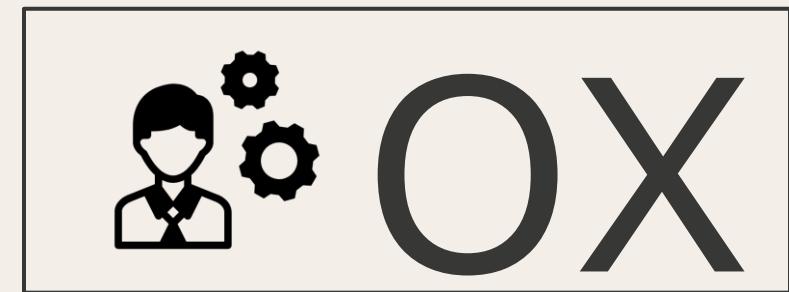
{641} * {43,215} * {32} * {42} * {1} * {78} * {12} * {8,976} * {9} * {2} * {7} * {9}

= {c00200} + {c0090} * {c0100} * {c0070} * {c0080}

Key variable: "RCP" = "KY"**Headers:** r0020 ; c0030 ; s0040**Comments (5)****Laura Müller** · 6 days ago

We need to review this validation for the next quarter. Please @Pierre-Dubois, check the dependencies to find the two warnings and re-run the execution. I am sending you the necessary .zip files via email for review. Please check with the team if they have experienced similar issues. Thank you!

UX



OX

```
gustavo@ub2404-srv-test:~/adam-engine-dist-0.6.0-pre3$ python3 adam_client.py --input-path data-examples/RESOL-1.2.1.zip
Starting validation of data-examples/RESOL-1.2.1.zip
Validating RESOL

The overall validation result is: Error

Validation statistics:
  * 253 validations executed
  * 0 validations in state Runtime Error (0.0%)
  * 8 validations in state Error (3.2%)
  * 17 validations in state Warning (6.7%)
  * 228 validations in state Ok (90.1%)
    |-- of which 0 were determined by preconditions (0.0%)

Validations with runtime errors:
Validations with errors:
v6519_c
e6451_e
v6444_m
v6446_m
e6452_e
e6449_e
e6448_e
e6450_e
Validations with warnings:
e11280_e
e11293_e
e11285_e
e11287_e
e11301_e
e11277_e
e09354_e
e11295_e
e11297_e
e11327_e
e11282_e
e11278_e
e09344_e
e11275_e
v11220_s
e09342_e
e11291_e

The JSON validation results are available at /tmp/RESOL-1.2.1.zip_validation_results.json
The CSV validation results are available at /tmp/RESOL-1.2.1.zip_validation_results.csv
gustavo@ub2404-srv-test:~/adam-engine-dist-0.6.0-pre3$
```

```
gustavo@ub2404-srv-test:~/adam-engine-dist-0.6.0-pre3$ python3 adam_client.py --bulk --input-path data-examples/
processed 1/6 (16.7%): data-examples/COREP_LE.xbrl
processed 2/6 (33.3%): data-examples/AE-1.2.0.zip
processed 3/6 (50.0%): data-examples/RESOL-1.2.1.zip
processed 4/6 (66.7%): data-examples/COREP_OF-3.1.0.zip
processed 5/6 (83.3%): data-examples/FINREP9-3.1.0.zip
processed 6/6 (100.0%): data-examples/COREP_LE-3.1.0.zip
```

File	Module	Summary	# Validations	# Error	# Warning	# Ok	# Runtime error	Conv time	Val time	Time
AE-1.2.0.zip	AE	Error	228	56	0	172	0		0.2	0.2
COREP_LE-3.1.0.zip	COREP_LE	Error	21	18	0	3	0		1.3	1.3
COREP_LE.xbrl	COREP_LE	Ok	21	0	0	21	0	0.0	0.0	0.1
COREP_OF-3.1.0.zip	COREP_OF	Error	1220	8	18	1194	0		10.6	10.6
FINREP9-3.1.0.zip	FINREP9	Error	2311	8	4	2299	0		6.4	6.4
RESOL-1.2.1.zip	RESOL	Error	253	8	18	227	0		0.6	0.6

Table legend:

- * Conv time: time spent converting from XBRL-XML to XBRL-CSV, if applicable
- * Val time: time spent validating XBRL-CSV
- * Time: total time spent in conversion and validation

Notes:

- * All times are expressed in seconds
- * Per file validation JSON results are available at /tmp/Filename_validation_results.json
- * Per file validation CSV results are available at /tmp/Filename_validation_results.csv
- * Per file validation outputs are available at /tmp/Filename_validation_outputs.txt

The summary of the bulk validation process is available at:

/tmp/bulk_validation_results.csv

The details of the bulk validation process are available at:

/tmp/bulk_validation_results_details.csv

```
gustavo@ub2404-srv-test:~/adam-engine-dist-0.6.0-pre3$ █
```

```
def validate(input_data: Path, module_name, script_filename, verbose, bulk=False, force=False):
    print(f"Validating {module_name}")

    script_file = Path(__file__).parent.parent / "validation-scripts" / script_filename

    check_input_file(script_file, True)
    print()

    try:
        engine = Engine()
        results_summary, results, results_stats, df_results_table = engine.validate(operations_path=script_file, xbrl_csv_path=input_data, is_verbose=verbose, is_force=force)
        result = json.loads(results)
    except Exception as e:
        print(e)
        print("There was an exception during the execution of the ADAM Engine")
        if bulk:
            raise
        else:
            exit(E_ERR)

    return results_summary, results_stats, results, df_results_table
```

UX



Drag and drop

Guided experience

Self explanatory results



Python

CLI

REST

Queues

Provider independence



OX

UX



Drag and drop

Guided experience

Self explanatory results



Performance?

Python

CLI

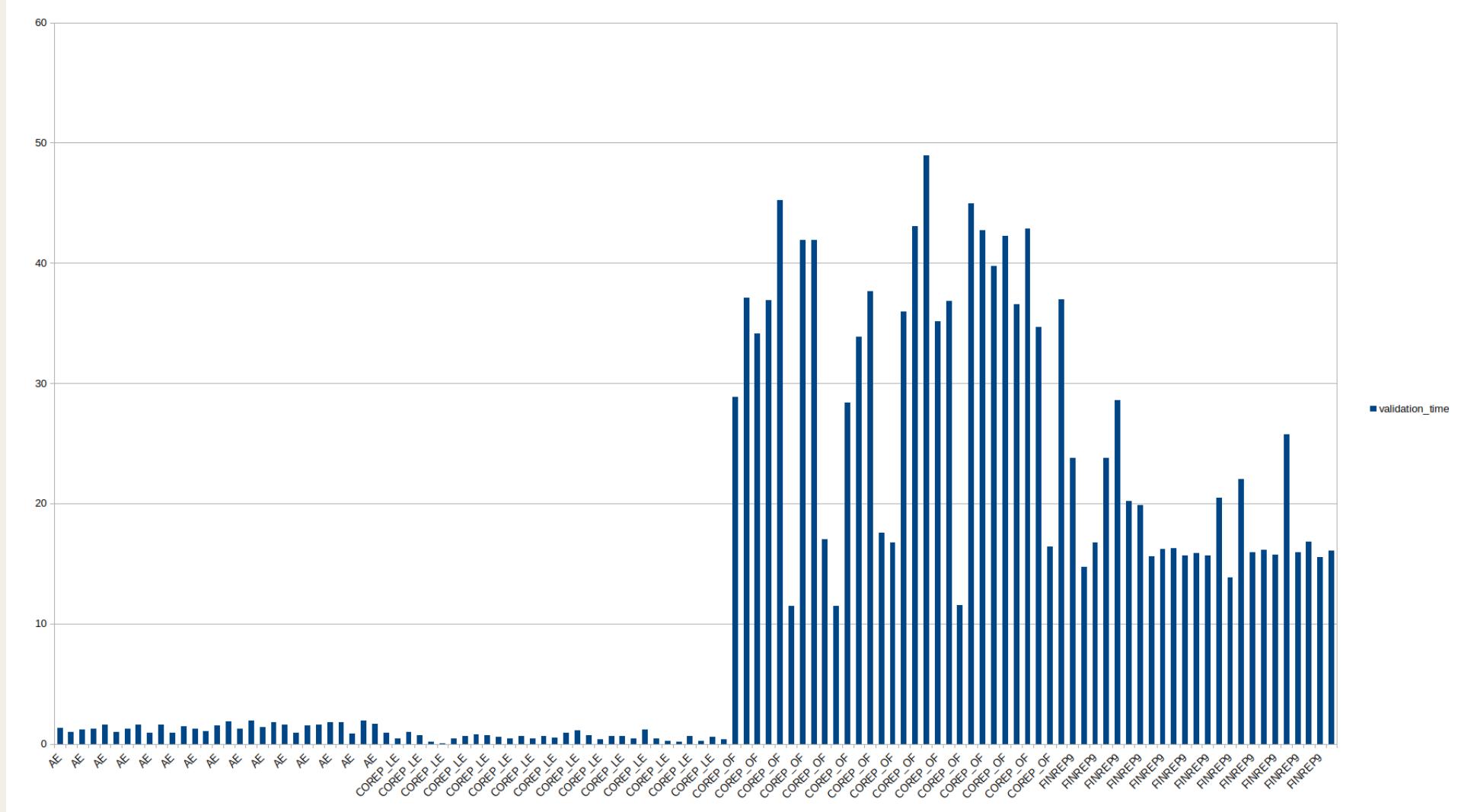
REST

Queues

Provider independence

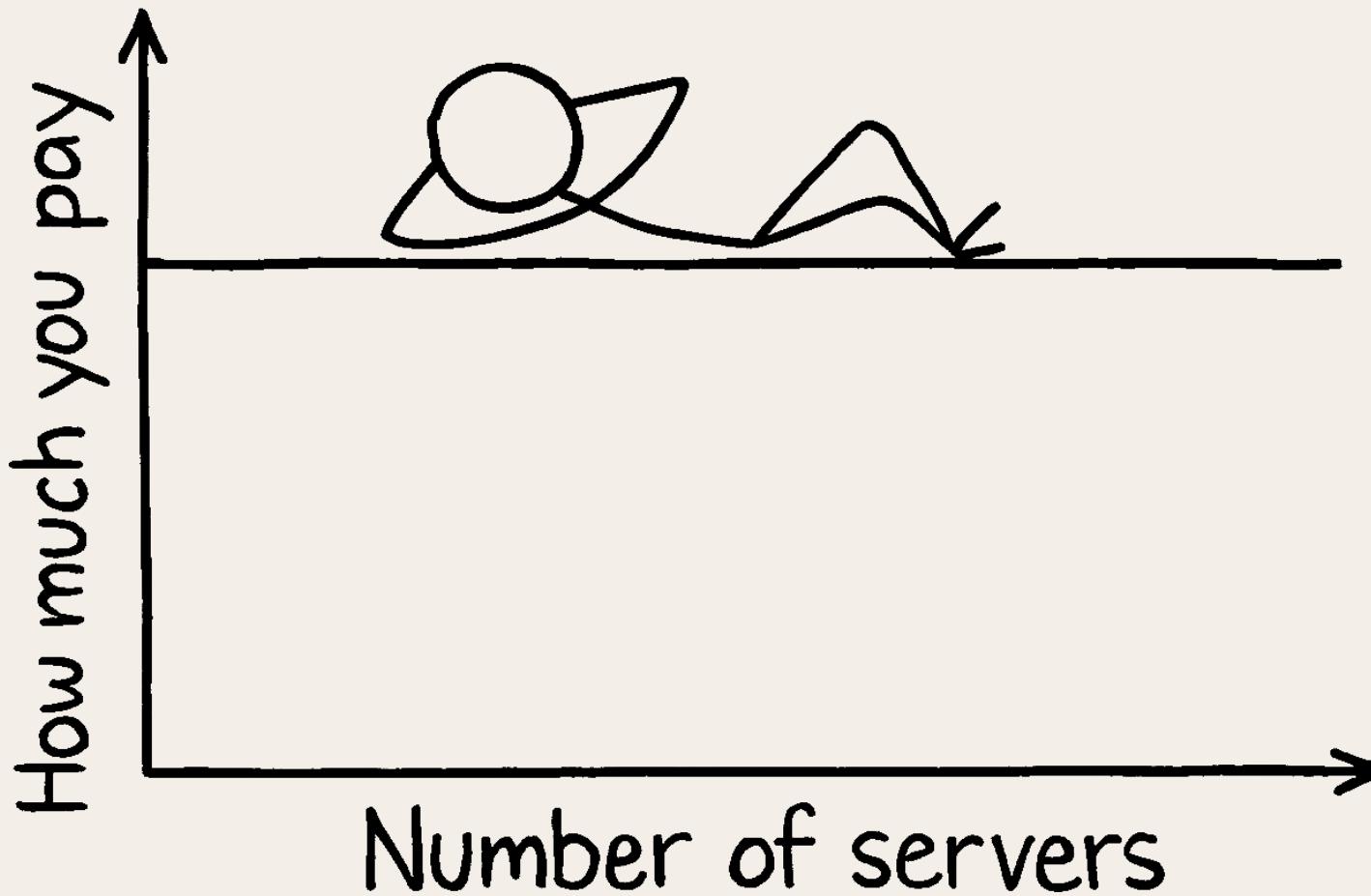


OX



CONVINCED?

Flat Rate Pricing





Validator

