



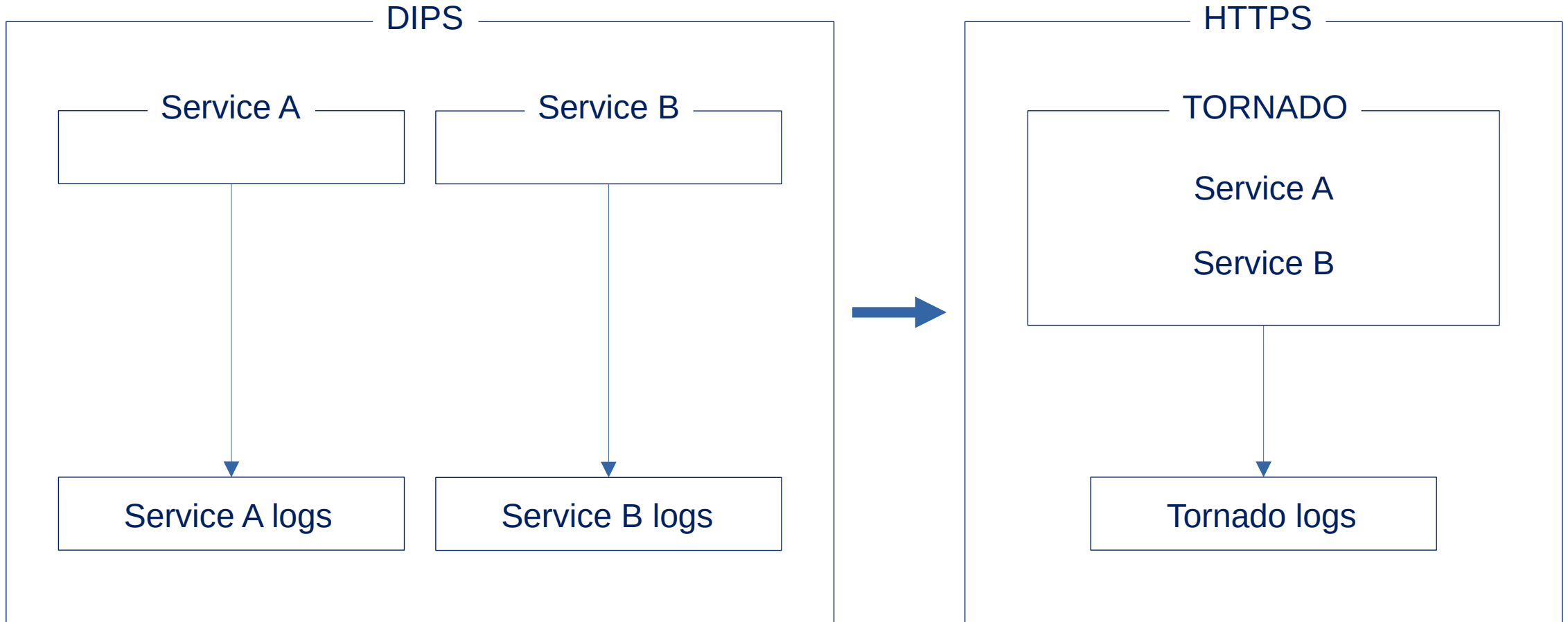
The CNRS logo, consisting of the letters "cnrs" in a white, lowercase, sans-serif font inside a dark blue circle.

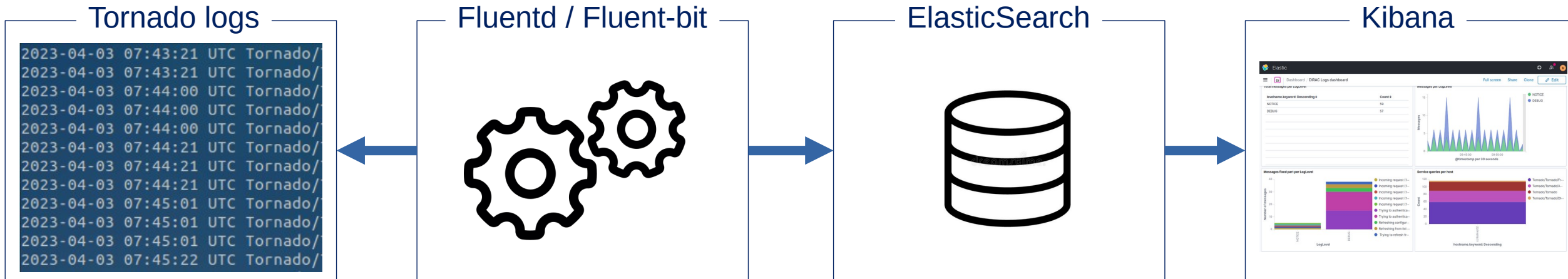
Centre de Calcul
de l'Institut National de Physique Nucléaire
et de Physique des Particules



Dirac Logs
April 2023

FROM DIPS TO HTTPS





FLUENT BIT VS FLUENTD

- Similar philosophy, Fluent bit is designed on top Fluentd, but...

FLUENT BIT

- Memory: ~650KB
- Dependencies: Zero dependencies
- Performance: High performance at low cost
- Can also grab CPU, RAM and storage metrics

FLUENTD

- Memory: ~40MB
- Dependencies: Built as a Ruby Gem, it requires a certain number of gems
- Performance: High performance

dirac.conf

[SERVICE]

flush	1
log_level	info
parsers_file	parsers_multiline.conf

[INPUT]

name	tail
path	<path to>/Tornado_Tornado/log/current
read_from_head	true
Tag	tornadolog
multiline	on
parser_firstline	multiline
Mem_Buf_Limit	50MB

[FILTER]

Name	modify
Match	*
Add hostname	\${HOSTNAME}

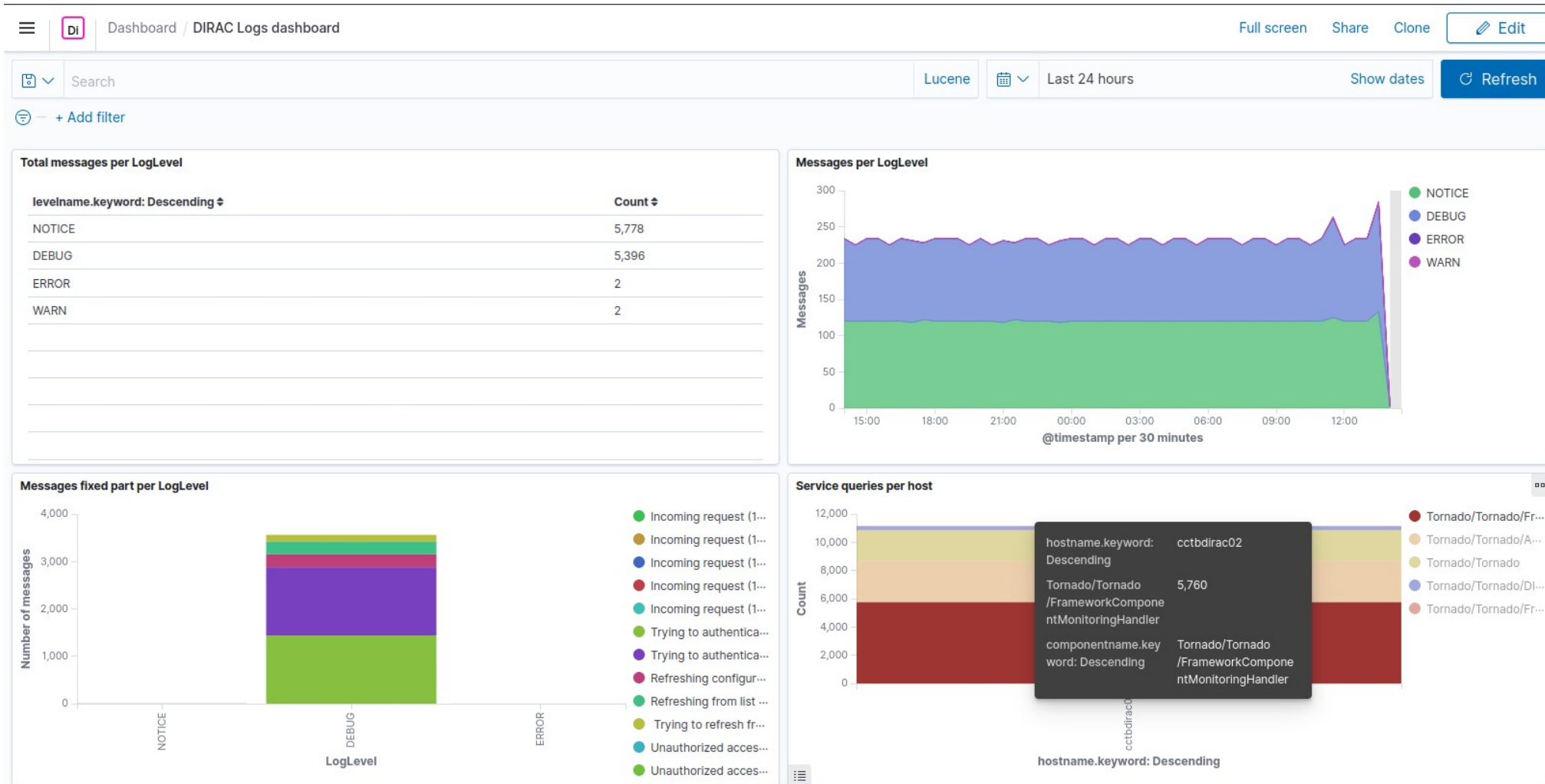
[OUTPUT]

name	es
host	elias-beta.cc.in2p3.fr
port	9200
logstash_format	true
logstash_prefix	dirac-test-tornado
logstash_dateFormat	%Y.%m
tls	on
tls.verify	off
tls.ca_file	<path to ca file>
tls.crt_file	<path to crt file>
tls.key_file	<path to key file>
match	tornadolog
trace_output	on

parsers_multiline.conf

```
[PARSER]
  Name      multiline
  Format     regex
  Regex      /^(?<logtime>[^\ ]* [^\ ]* [^\ ]*) (?<componentname>[^\ ]*) \[(?<timestamp>\d*)\] (?<levelname>[^\:]+): (?<message>[^\*]*)/
  Time_Key   logtime
  Time_Format %Y-%m-%d %H:%M:%S %Z
  Time_Keep  On
  Types      componentname:string timestamp:integer hostname:string
```

- Need to be compliant with current other Dirac logs dashboards



► Need to show per component logs

Dashboard / DiracComponentLogs Full screen Share Clone Edit

Search KQL Last 7 days Show dates Refresh

componentname.keyword: Tornado/Tornado/Authorization + Add filter

Component Selector

Component

Tornado/Tornado/Authorization × ▼

Apply changes Cancel changes Clear form

Raw logs 1-50 of 17168 < >

Time ▼	_source
> Apr 4, 2023 @ 10:20:23.000	@timestamp: Apr 4, 2023 @ 10:20:23.000 logtime: 2023-04-04 08:20:23 UTC componentname: Tornado/Tornado/Authorization timestamp: 140,326,358,521,600 levelname: DEBUG message: Trying to authenticate DN=/O=GRID-FR/C=FR/O=CNRS/OU=CC-IN2P3/CN=cctbdirac02.in2p3.fr extraCredentials=hosts hostname: cctbdirac02 _id: N6VaS4cBhJ4Ql3phVWcf _type: _doc _index: dirac-test-tornado-2023.04 _score: -
> Apr 4, 2023 @ 10:20:02.000	@timestamp: Apr 4, 2023 @ 10:20:02.000 logtime: 2023-04-04 08:20:02 UTC componentname: Tornado/Tornado/Authorization timestamp: 140,326,358,521,600 levelname: DEBUG message: Trying to authenticate DN=/O=GRID-FR/C=FR/O=CNRS/OU=CC-IN2P3/CN=cctbdirac01.in2p3.fr extraCredentials=hosts hostname: cctbdirac02 _id: raVaS4cBhJ4Ql3phA2ZK _type: _doc _index: dirac-test-tornado-2023.04 _score: -
> Apr 4, 2023 @ 10:19:23.000	@timestamp: Apr 4, 2023 @ 10:19:23.000 logtime: 2023-04-04 08:19:23 UTC componentname: Tornado/Tornado/Authorization timestamp: 140,326,358,521,600 levelname: DEBUG message: Trying to authenticate DN=/O=GRID-FR/C=FR/O=CNRS/OU=CC-IN2P3/CN=cctbdirac02.in2p3.fr extraCredentials=hosts hostname: cctbdirac02 _id: HThZS4cBK3ZVO-CTapC- _type: _doc _index: dirac-test-tornado-2023.04 _score: -
> Apr 4, 2023 @ 10:19:02.000	@timestamp: Apr 4, 2023 @ 10:19:02.000 logtime: 2023-04-04 08:19:02 UTC componentname: Tornado/Tornado/Authorization timestamp: 140,326,358,521,600 levelname: DEBUG message: Trying

- Better define Component name

ComponentSelector

Component

Select... ▼

- Framework
- Framework/DIRAC.Core.Tornado.Client.ClientSelector
- Tornado/Tornado
- Tornado/Tornado/Authorization
- Tornado/Tornado/BaseRequestHandler
- Tornado/Tornado/DIRAC.Core.Tornado.Client.ClientSel...
- Tornado/Tornado/DIRAC.Core.Tornado.Server.Tornado...

► Trying with Grafana

General / Tornado_logs

componentname Tornado/Tornado/FrameworkTokenManagerHandler

Logs

2023-04-03 13:55:32 z5f5RocBfpBUTQWPCm5V

Detected fields

@timestamp2023-04-03T11:55:32.000Z

._indexdirac-test-tornado-2023.04

._typedoc

._componentnameTornado/Tornado/FrameworkTokenManagerHandler

._hostnamedirac02

._levelnameNOTICE

._logtime2023-04-03 11:55:32 UTC

._messageReturning response (127.0.0.1:50528)[dirac_admin:brigaud] Framework/TokenManager (27.24 ms) OK

._sort1680522932000,1351

._timestamp140606266517312

> 2023-04-03 13:55:32 aqH4RocBhJ4Q13ph81bm

> 2023-04-03 13:55:27 ZKH4RocBhJ4Q13ph81bm

> 2023-04-03 13:55:27 zpf4RocBfpBUTQWP325g

> 2023-04-03 13:55:13 oJf4RocBfpBUTQWPq66u

> 2023-04-03 13:55:13 IqH4RocBhJ4Q13phvFY2

> 2023-04-03 11:45:09 H66BRocBhJ4Q13phpyXY

> 2023-04-03 11:45:09 pluBRocBydFaL6701PVP

Logs Table

@timestamp ↓	_id	_index	_type	componentname	highlight	hostname	levelname	logtime	message
2023-04-03 13:55:32	aqH4RocBhJ4Q13...	dirac-test-tornado-...	_doc	Tornado/Tornado/FrameworkTokenManagerHandler		cctbdirac02	NOTICE	2023-04-03 11:55:...	Incoming request (127.0.0.1:50528)[dirac_admin:brigaud] Framework/TokenMana...
2023-04-03 13:55:32	z5f5RocBfpBUTQ...	dirac-test-tornado-...	_doc	Tornado/Tornado/FrameworkTokenManagerHandler		cctbdirac02	NOTICE	2023-04-03 11:55:...	Returning response (127.0.0.1:50528)[dirac_admin:brigaud] Framework/TokenMa...
2023-04-03 13:55:27	zpf4RocBfpBUTQ...	dirac-test-tornado-...	_doc	Tornado/Tornado/FrameworkTokenManagerHandler		cctbdirac02	NOTICE	2023-04-03 11:55:...	Incoming request (127.0.0.1:50524)[dirac_admin:brigaud] Framework/TokenMana...
2023-04-03 13:55:27	ZKH4RocBhJ4Q13...	dirac-test-tornado-...	_doc	Tornado/Tornado/FrameworkTokenManagerHandler		cctbdirac02	NOTICE	2023-04-03 11:55:...	Returning response (127.0.0.1:50524)[dirac_admin:brigaud] Framework/TokenMa...
2023-04-03 13:55:13	oJf4RocBfpBUTQ...	dirac-test-tornado-...	_doc	Tornado/Tornado/FrameworkTokenManagerHandler		cctbdirac02	ERROR	2023-04-03 11:55:...	Unauthorized access Identity (127.0.0.1:50508)[dirac_user:brigaud]; path /Framew...
2023-04-03 13:55:13	IqH4RocBhJ4Q13p...	dirac-test-tornado-...	_doc	Tornado/Tornado/FrameworkTokenManagerHandler		cctbdirac02	NOTICE	2023-04-03 11:55:...	Returning response (127.0.0.1:50508)[dirac_user:brigaud] Framework/TokenMana...

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1 - 6 of 8 rows

- Trying with json exported logs

Till now, logs are grabbed from the tail of « current » log file.

But there is also another « StdoutJsonBackend » that could be the logs source

Questions?

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Thanks for your attention.