

Monitoring and reactions challenges.

Student presentation
by Igor Pelevanyuk

Monitoring?



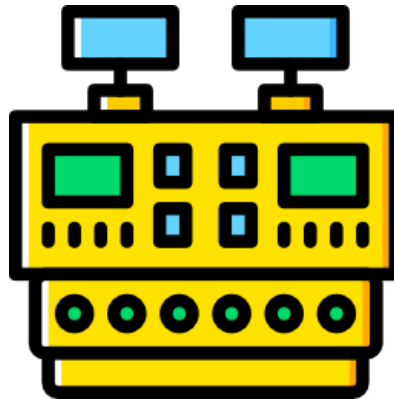
How different is it?

Warning detection
and notification



Immediate

Properties
visualization



Actual

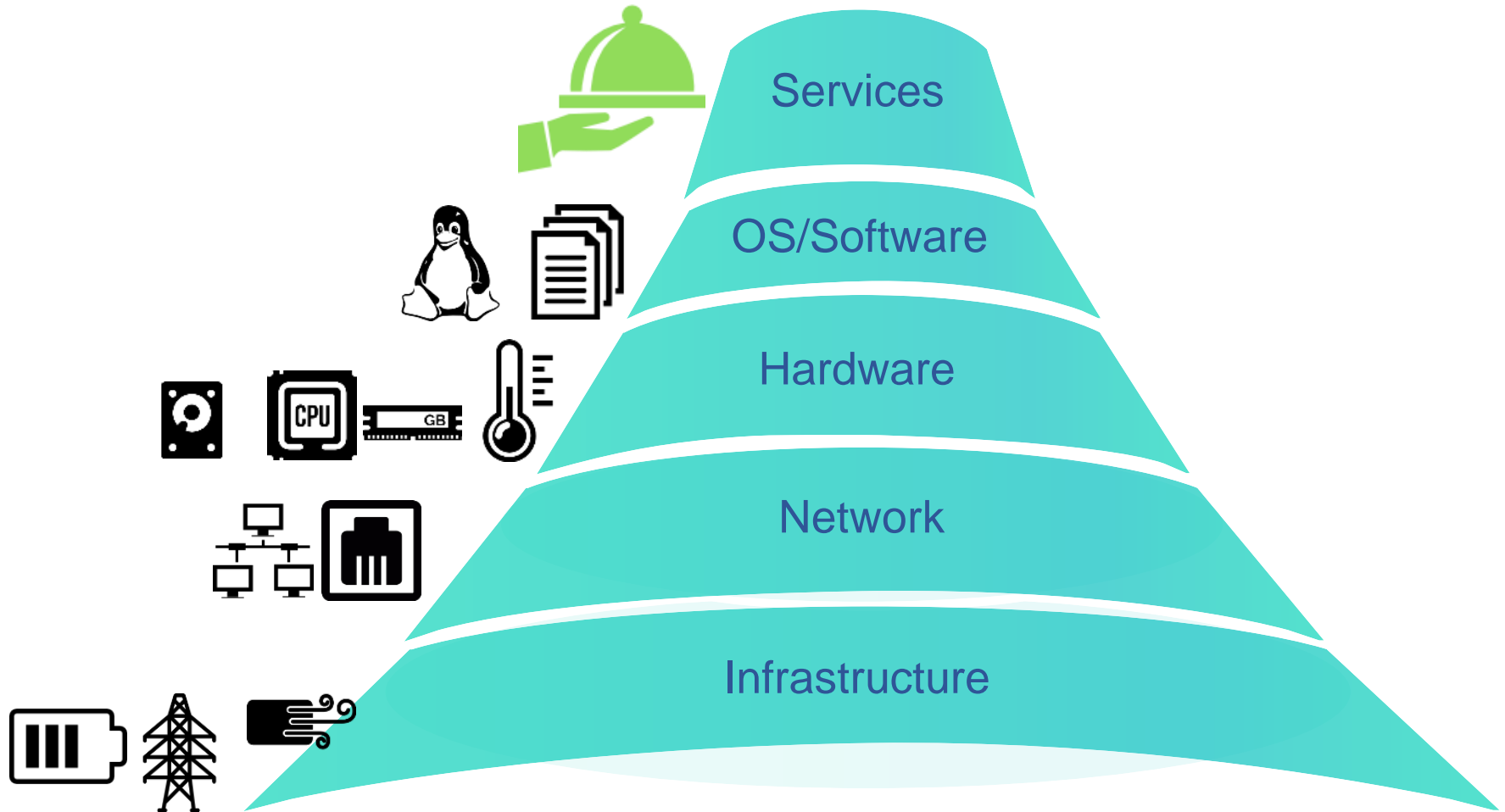
Accounting



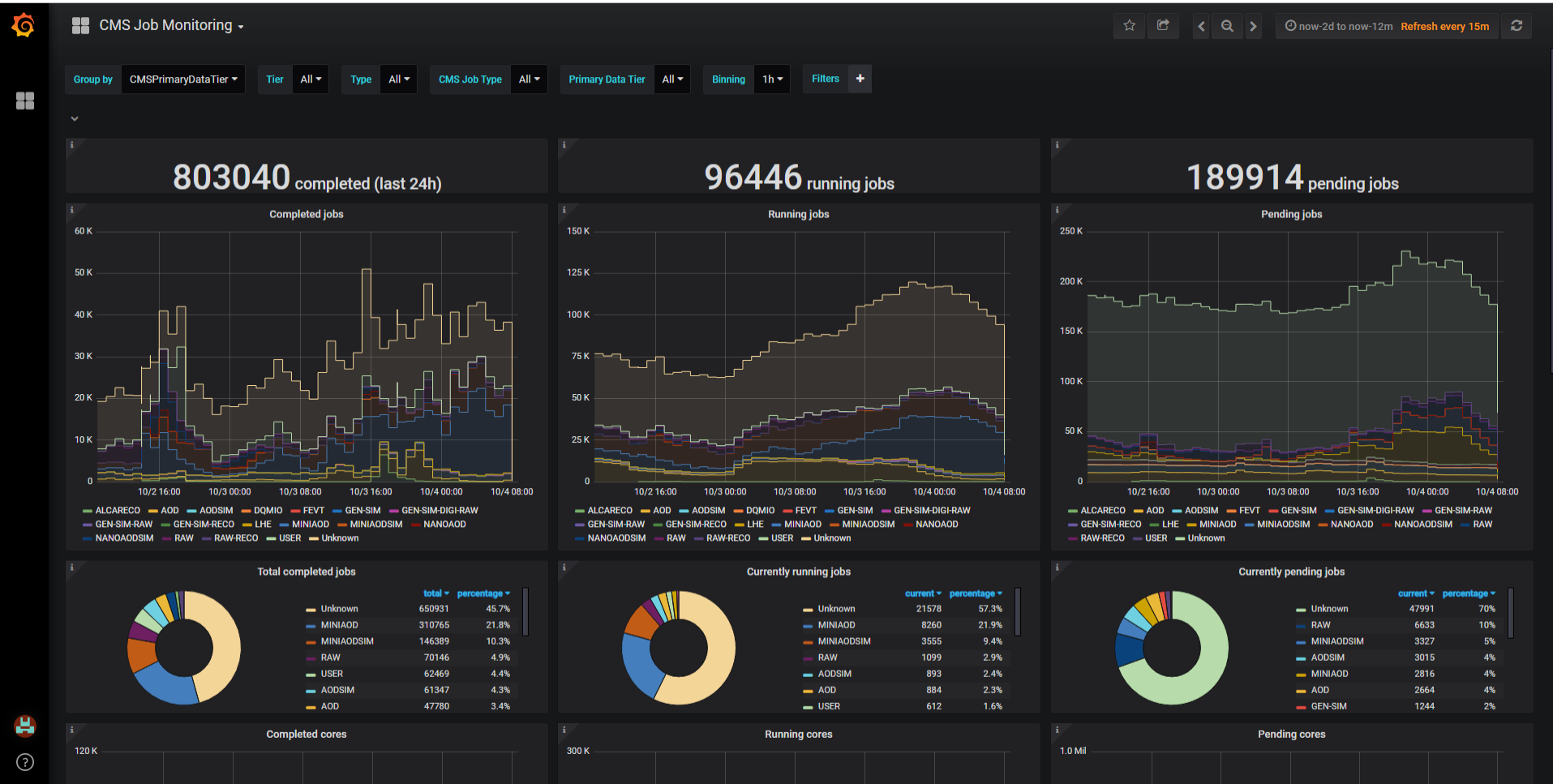
Periodic




Service monitoring

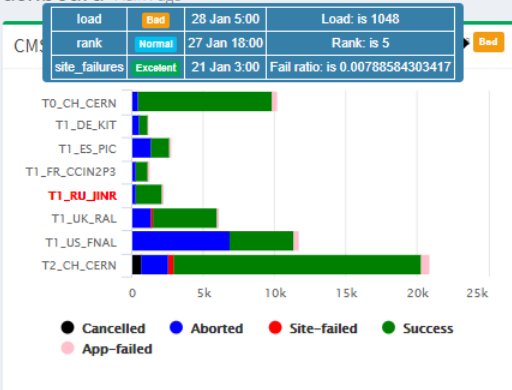


A way to do that



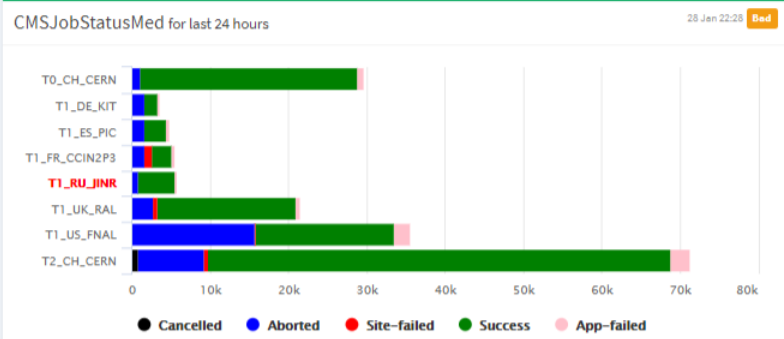
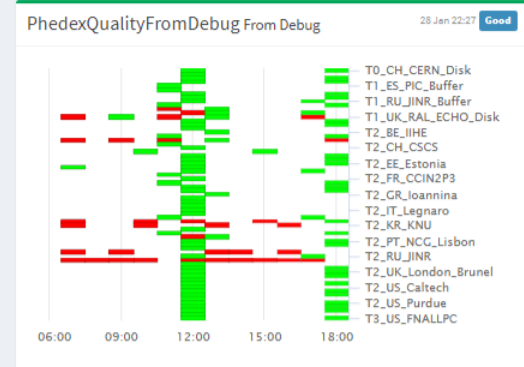
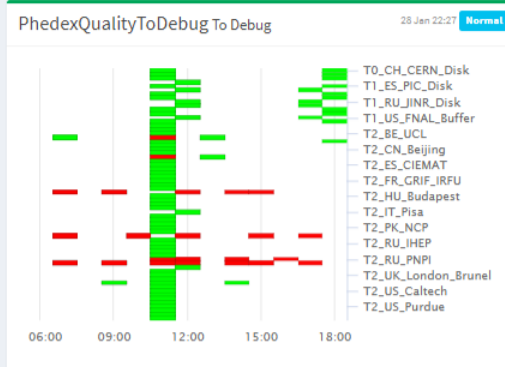
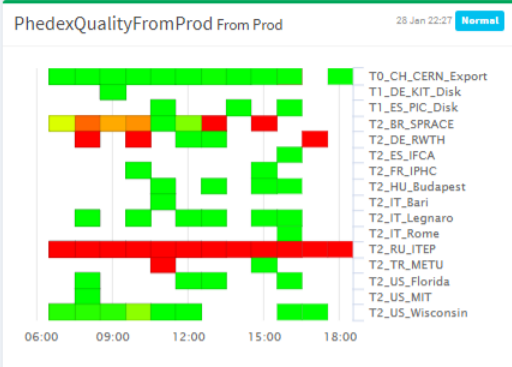
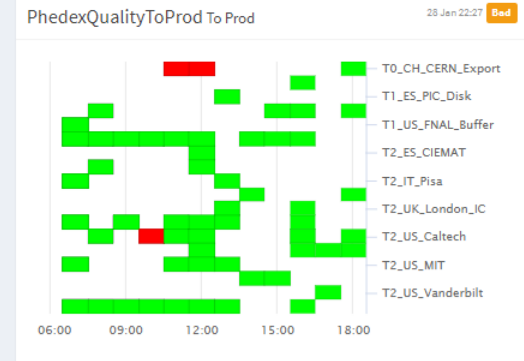
 **Igor Pelevanyuk**
Online

Dashboard Main Page



SSB 28 Jan 22:25 **Excellent**

Time:	4 minutes ago	GGUS tickets:	1
Visible:	OK	Active T2s:	
Site Ready:	Ok	HC Glidein:	100.0
SAM3 CE:	OK	Analysis:	88%(7)
SAM3 SRM:	OK	Com. Links:	3/5 combined
Good Links:	OK	Topology:	1XROOTD . 2 CREAM-CE . 2 SRM .
Running:	1265	IN phedex rate:	34
Pending:	3401	OUT phedex rate:	137



PhedexTransfersProd Last 2 hours 28 Jan 22:25 **Status**

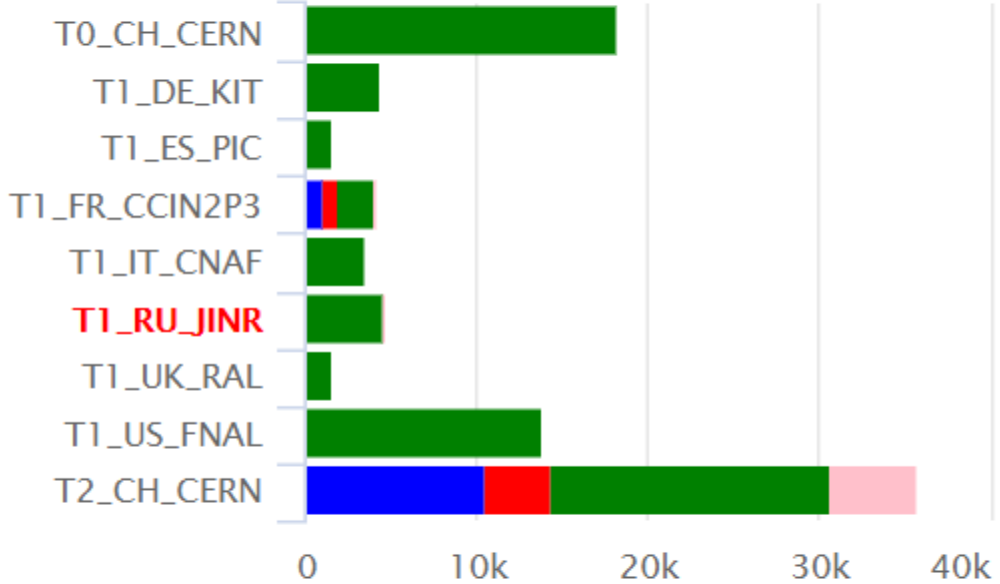
Show **10** entries Search:

From	To	Done Files	Fail Files	Done Bytes	Fail Bytes
T1_RU_JINR_Disk	T2_RU_IJTEP	0	12	0 byte	18.55 GB
T1_RU_JINR_Disk	T2_DE_RWTH	0	11	0 byte	37.79 GB
T2_US_Florida	T1_RU_JINR_Disk	5	0	25.50 GB	0 byte
T1_US_FNAL_Buffer	T1_RU_JINR_Disk	0	0	0 byte	0 byte
T0_CH_CERN_Export	T1_RU_JINR_Disk	1	0	3.80 GB	0 byte
T1_RU_JINR_Disk	T2_KR_KISTI	1	0	1.54 GB	0 byte

- MAIN NAVIGATION
- Dashboard
 - Journal

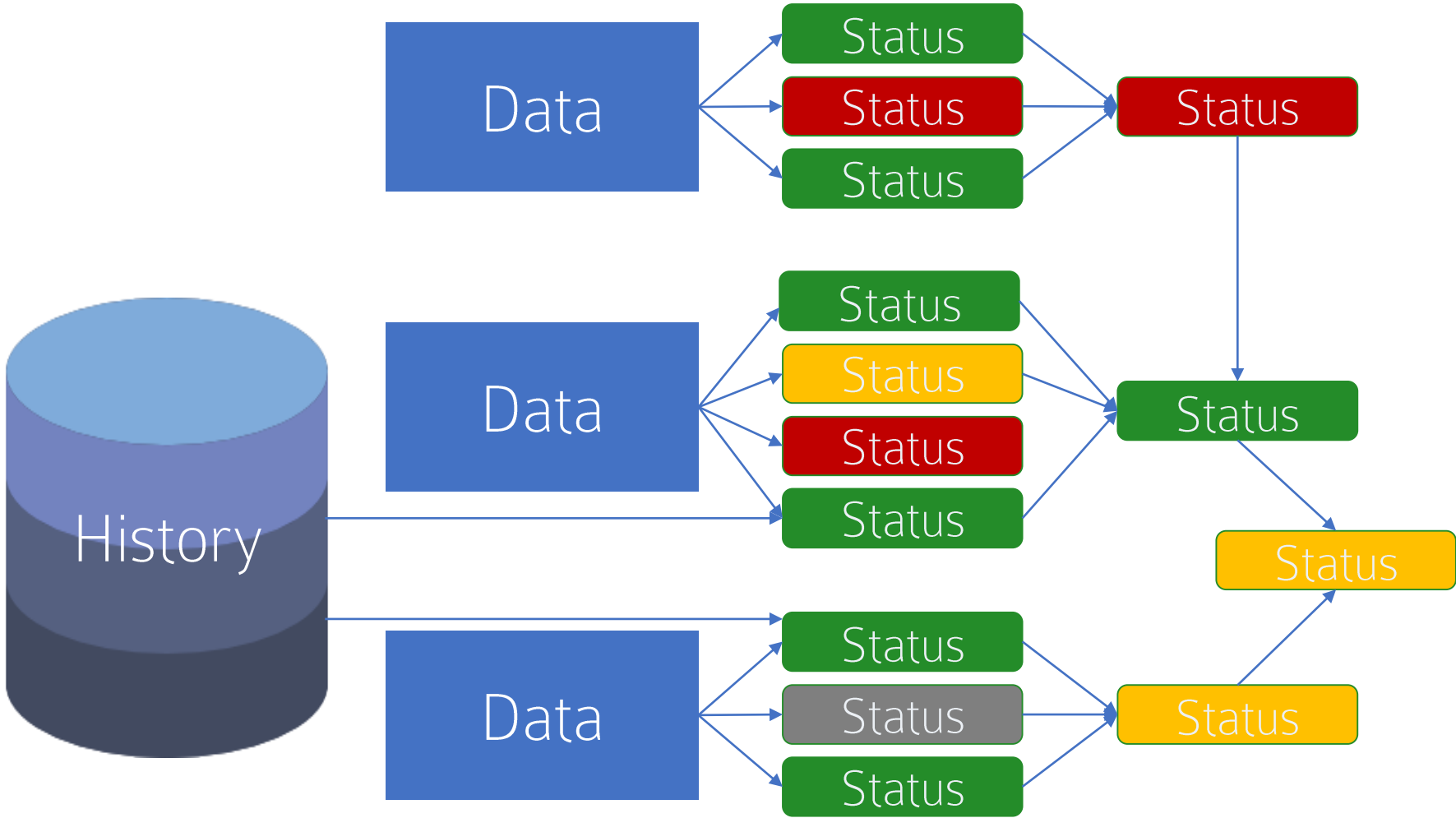
rank	Normal	28 Sep 3:00	Rank: is 3
load	Bad	25 Sep 23:10	Load: is 6941
site_failures	Excelent	27 Sep 2:00	Fail ratio: is 0.00550539528738

Bad



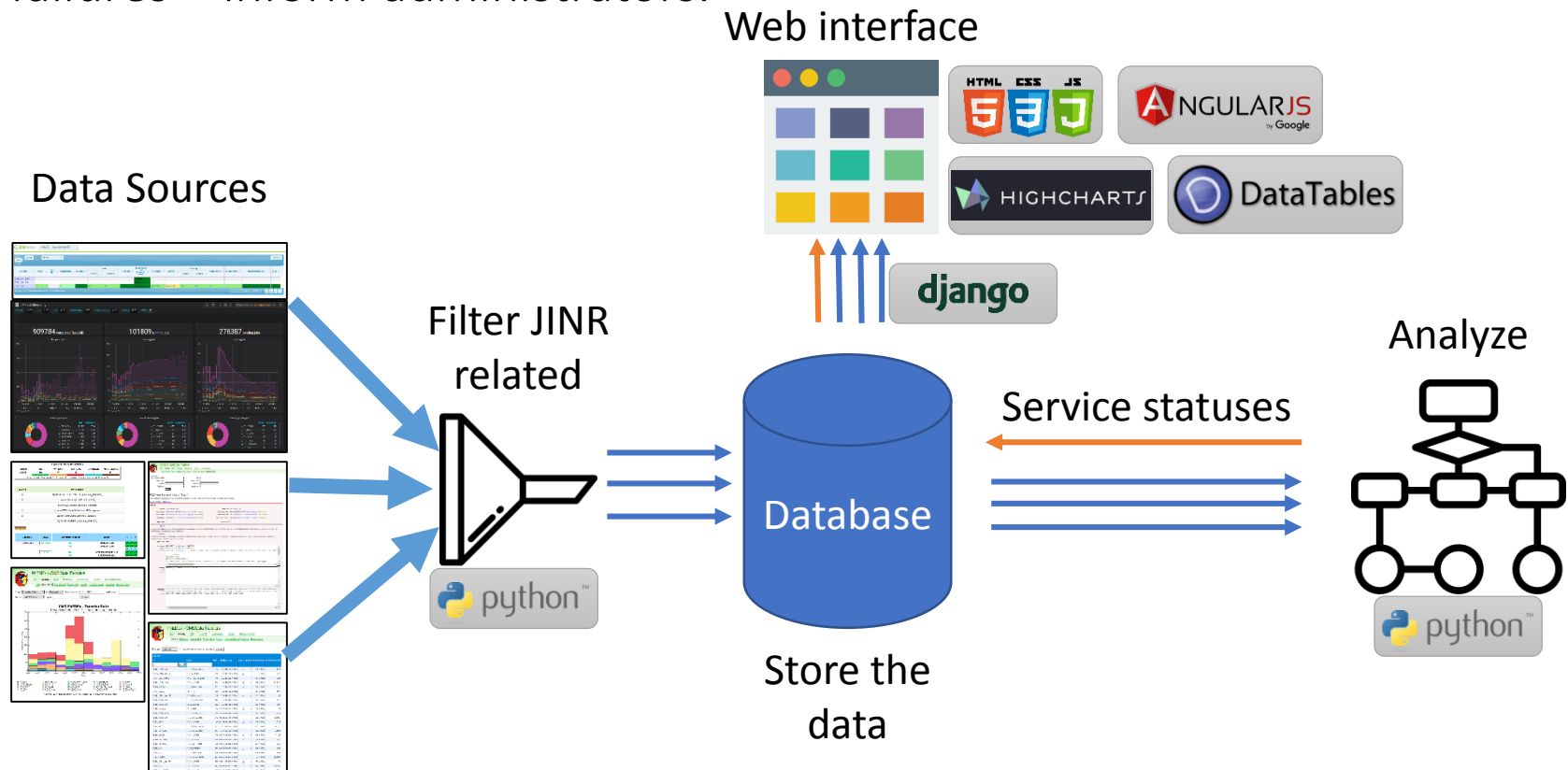
● Cancelled ● Aborted ● Site-failed
● Success ● App-failed

Getting status information



How it works

Idea is to collect, aggregate and analyze data from different sources. Then provide in comprehensive form on the web page. In case of critical failures – inform administrators.



We are DevOps folk too!



GitHub

<https://github.com/tier-one-monitoring>



Landscape.io – Coding style check



Travis CI

Travis CI – Continuous Integration
Installation, Regressive, Compatibility,
Functionality, ...



COVERALLS

Covetalls.io – Code
coverage

<https://t1services.jinr.ru>

visitor:visitor

Thank you for attention!

Suggestions, critics, ideas
are welcome and
appreciated