perfSONAR

perfSONAR 5.0

Some changes ahead

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GridPP UK - WLCG Call

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perfSONAR is developed by a partnership of
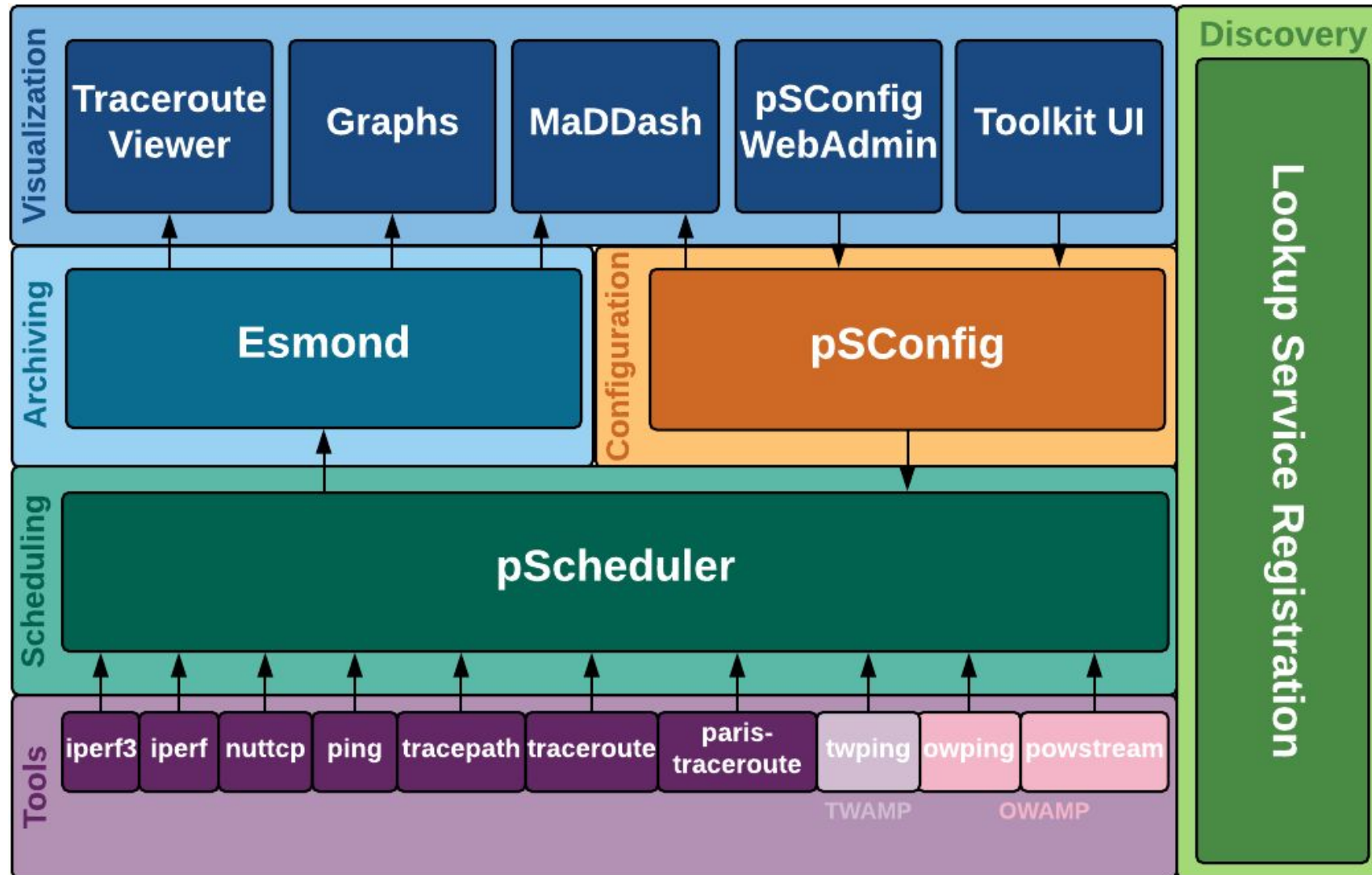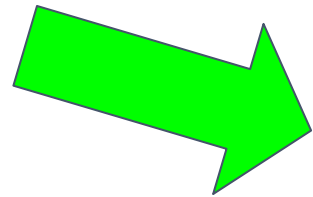
General advice and comments

- Thank you for reaching out to us!
  - WLCG is our largest user base
  - Also most demanding
- Running latest version
- Monitor resources usage
- Support channels
  - User support mailing list
  - Webinars and workshops, either general or tailored
  - GÉANT Consultancy service
    - This call
    - Emails
  - Ad-hoc calls and debugging
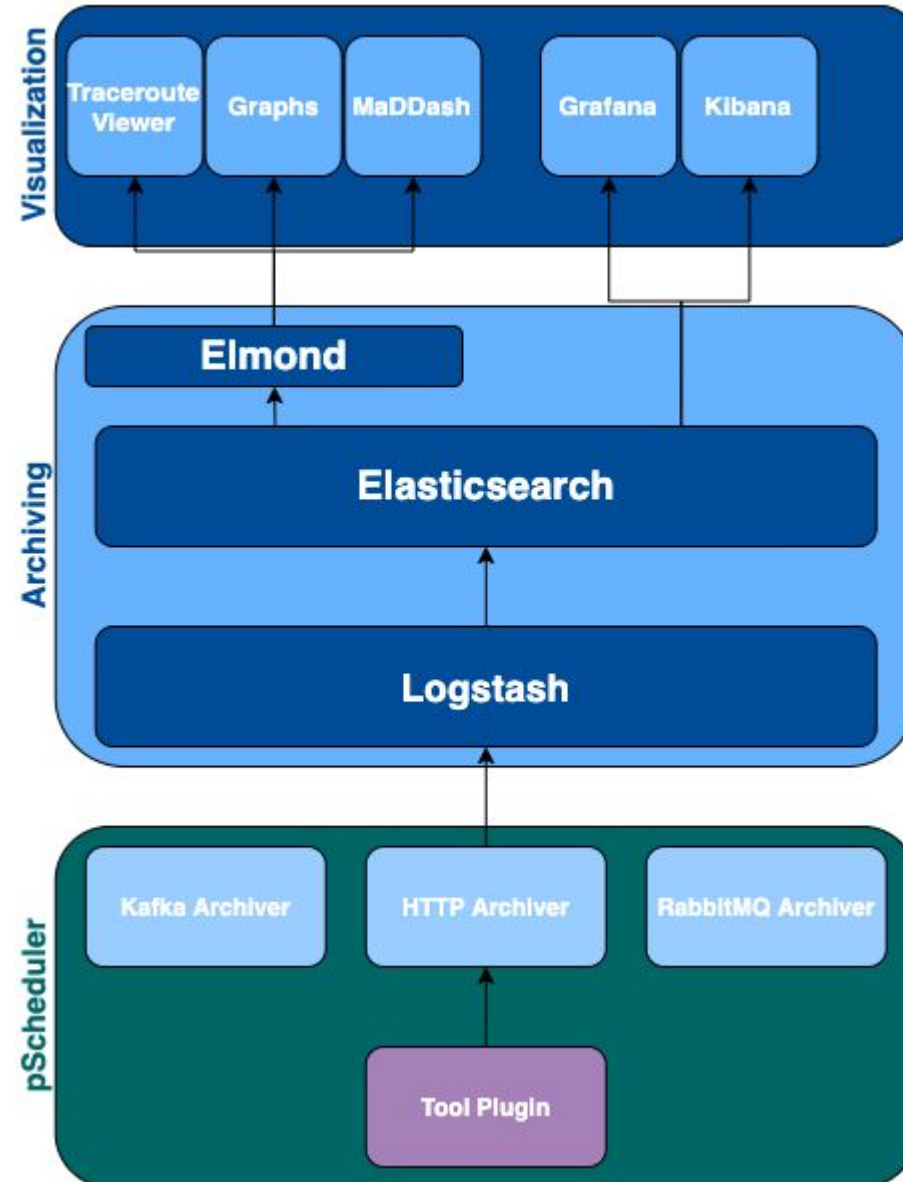
5.0 main change: the archive
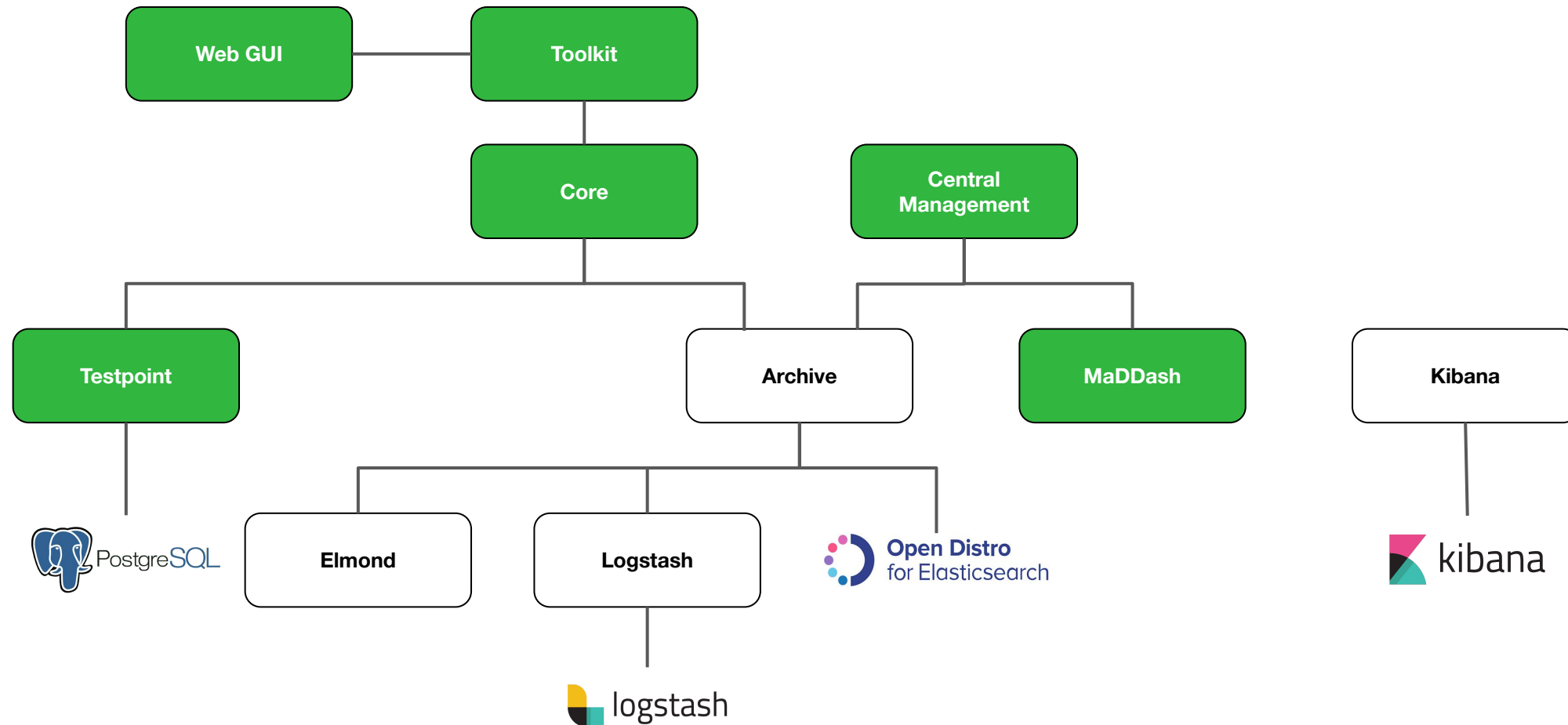
Upcoming 5.0 Release

- New backend: OpenSearch

- Middleware to transition: Elmond

- Opening up possibilities
  - Easier access to data
  - Different displays
  - Correlations with other data sources

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The Software Pieces

Packages relationship 5.x

Logstash

- The perfSONAR Logstash pipeline used to enrich data before archiving

1. Input (IP/port)
2. Build pscheduler object
3. Normalize IP addresses
4. Convert ISO8601 durations to seconds
5. Lookup GeoIP information
6. Process each type of task
7. Output (index template)

```
## Logstash environment variables.
log_level=info
elastic_output_host=https://localhost:9200/
elastic_output_user=pscheduler_logstash
elastic_output_password=pscheduler_logstash
```

`/etc/perfsonar/logstash/logstash_sysconfig`

```
input {
  http {
    host => "localhost"
    port => "11283" # ACII 112=p, 83=S
  }
}
```

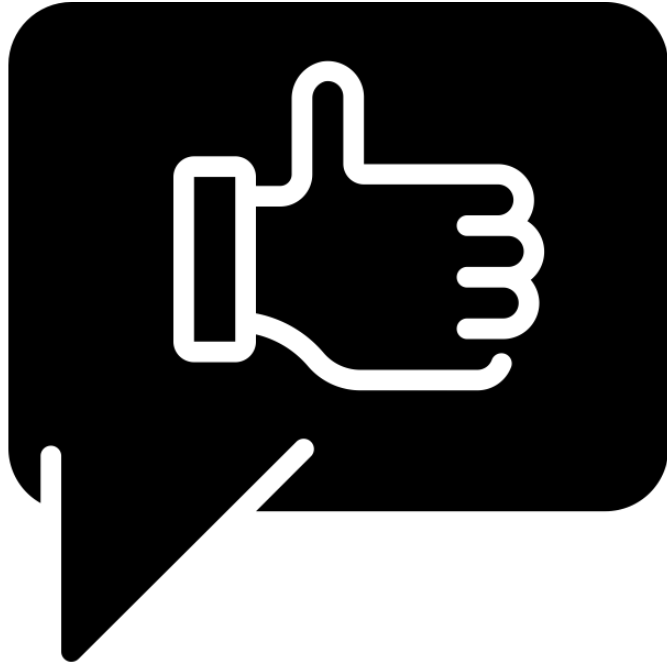`/usr/lib/perfsonar/logstash/pipeline/*`

5.0: Opening up possibilities

- OpenSearch backend
  - Integrate perfSONAR data into your own dashboards
  - Correlate with other data sources
- MaDDash will be moved toGrafana
  - New in-house developed panel type for a grid
  - Define and monitor your own thresholds
  - Join grids in your own dashboard

Get in touch with us!

- General website: https://www.perfsonar.net/
- Docs website: https://docs.perfsonar.net/
- Github issue tracker: https://github.com/perfsonar/project/issues/
- Youtube channel (recording of webinars and events):
  - https://www.youtube.com/perfSONARProject/
- Email
  - perfSONAR User List: https://lists.internet2.edu/sympa/info/perfsonar-user
  - GÉANT team: perfsonar@lists.geant.org

perfSONAR

Thanks!

For more information,
please visit our web site:
https://www.perfsonar.net

Thanks icon by priyanka from The Noun Project

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