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## How we integrated the LTTng pipeline to monitor .NET Core applications on Linux

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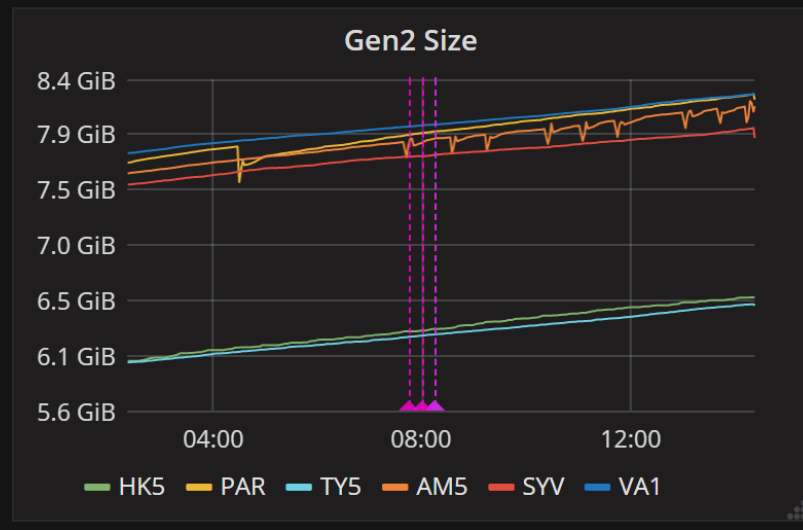
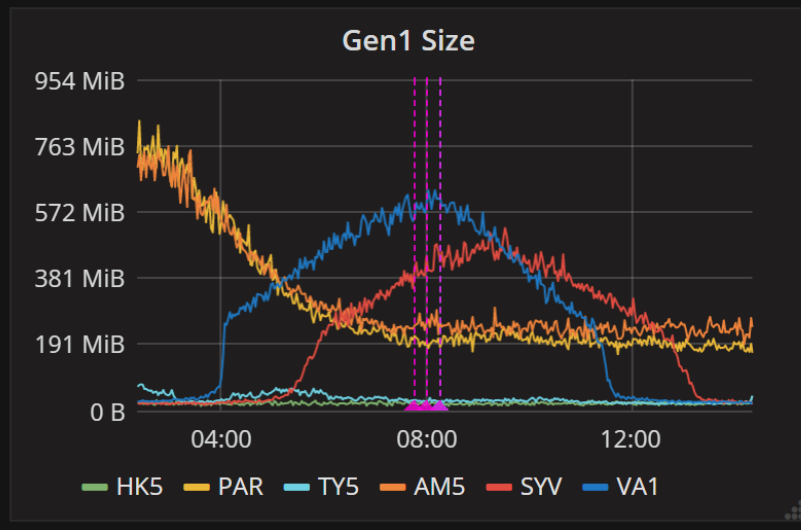
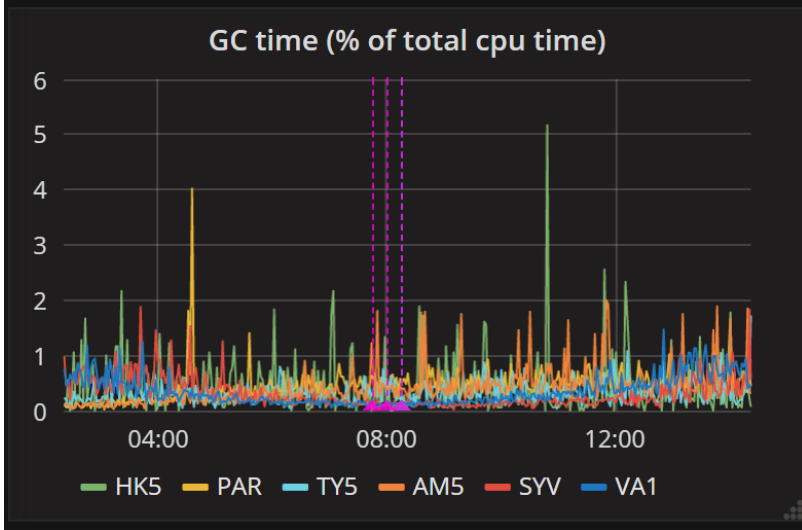
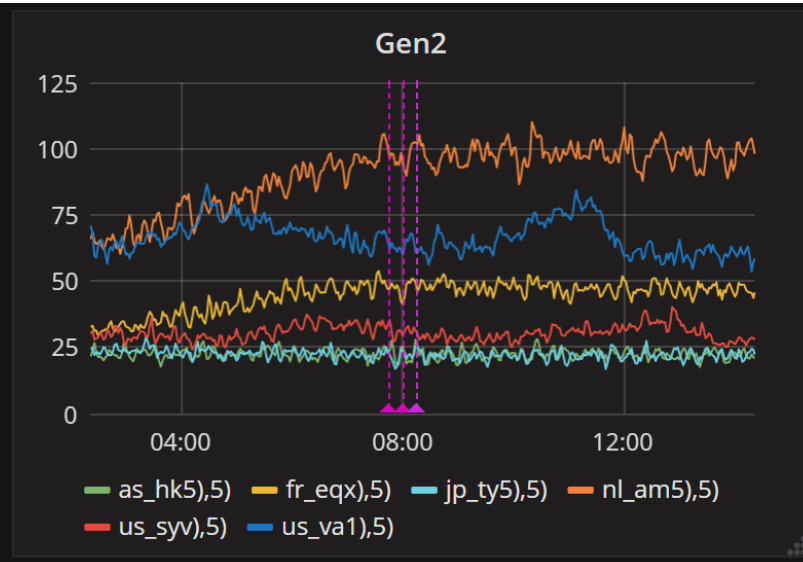
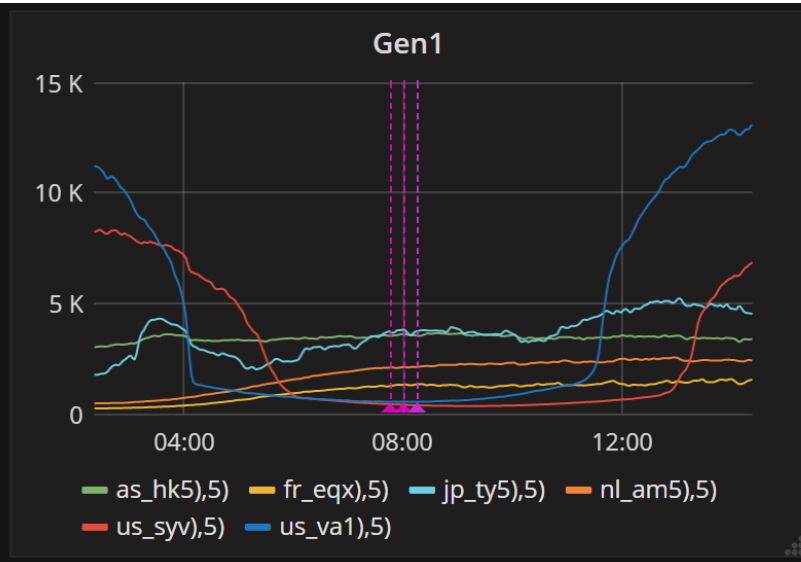
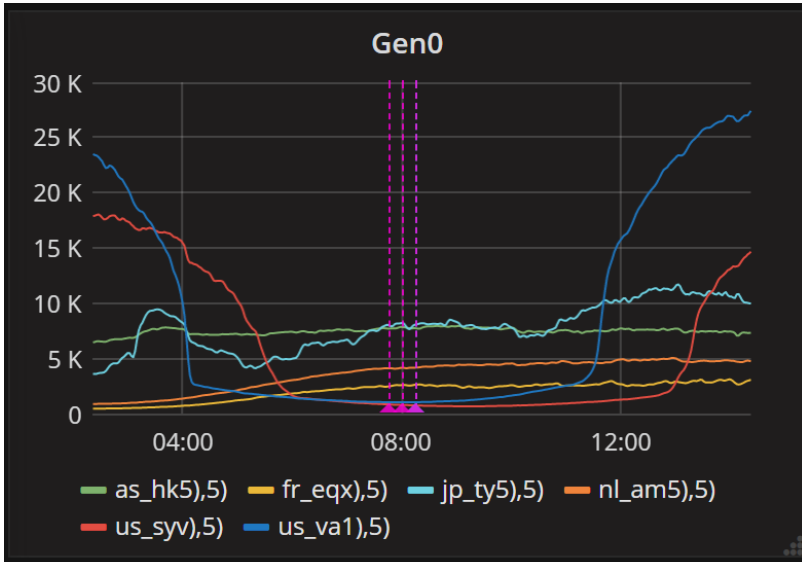


## Criteo in numbers

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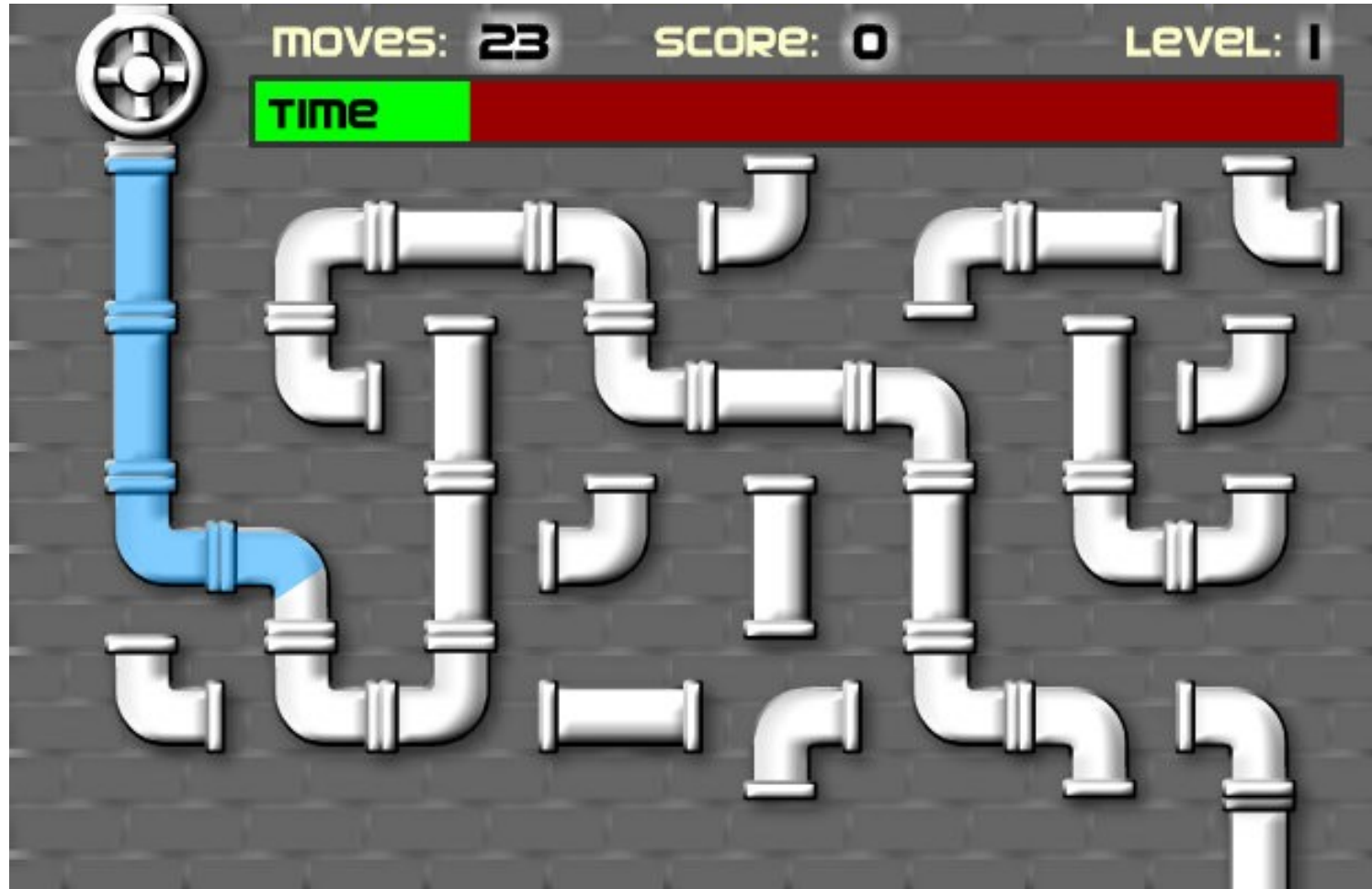
- **8747 servers running Windows**
- **4000+ front-end servers**
- **205 billions HTTP request per day**





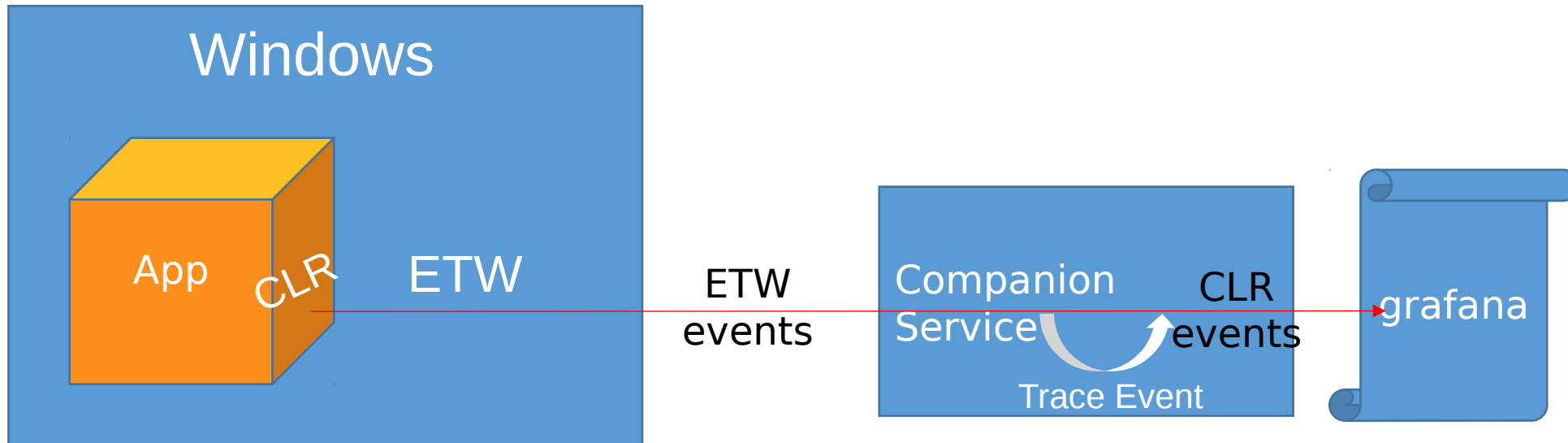
# Plumbing time

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# Windows Pipeline to Grafana

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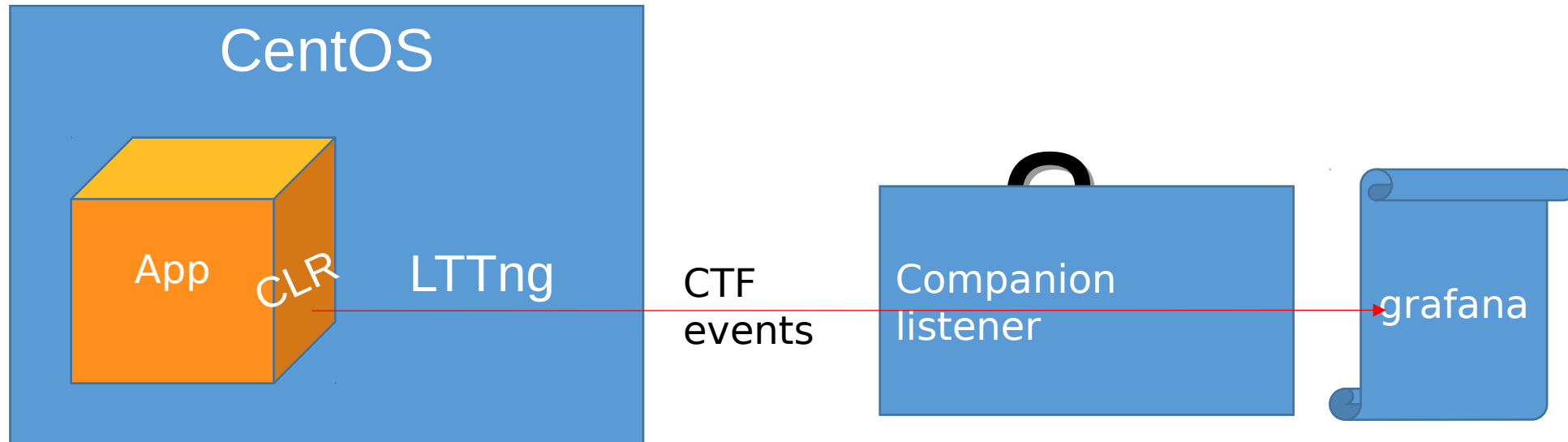
# Windows Pipeline to Grafana

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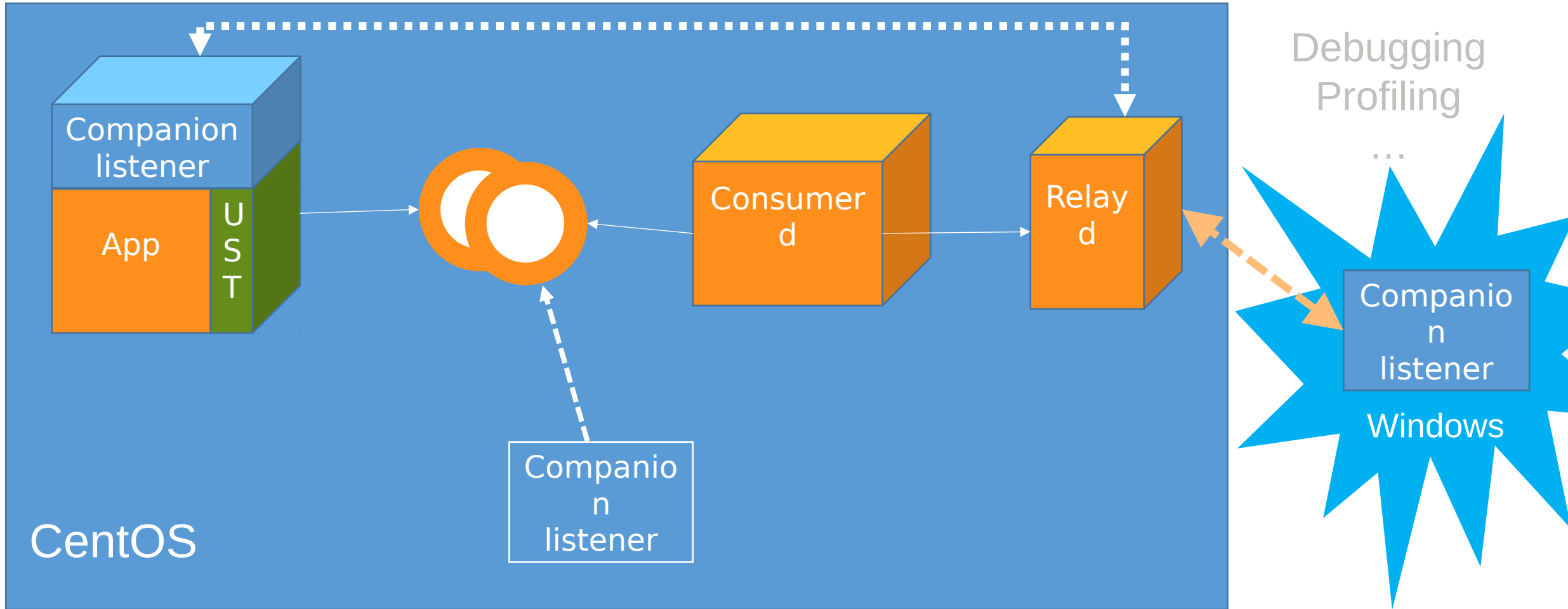


# CentOS Pipeline to Grafana - 1/3

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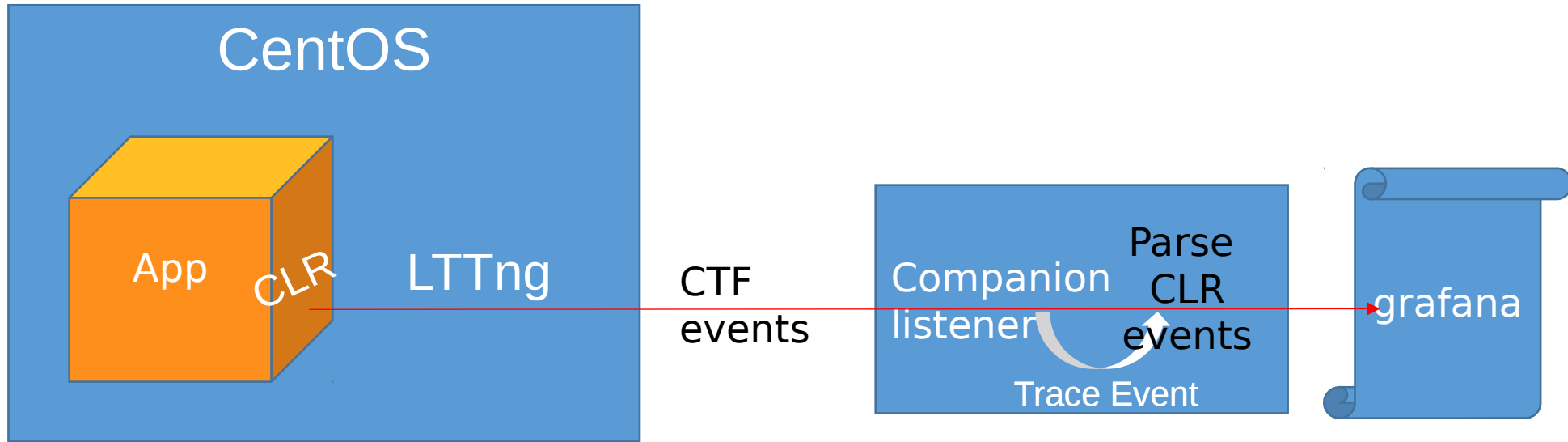
# How to integrate the LTTng pipeline in Criteo





# CentOS Pipeline to Grafana - 2/3

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# Decyphering CLR event produced as CTF traces

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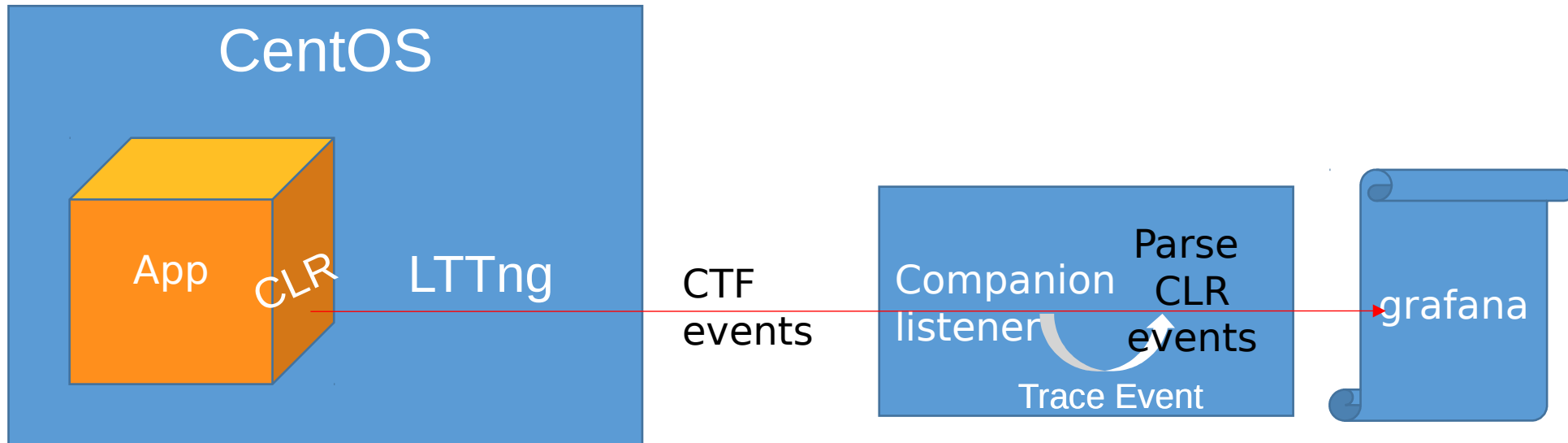
- Use TraceEvent library but... only file-based ctor

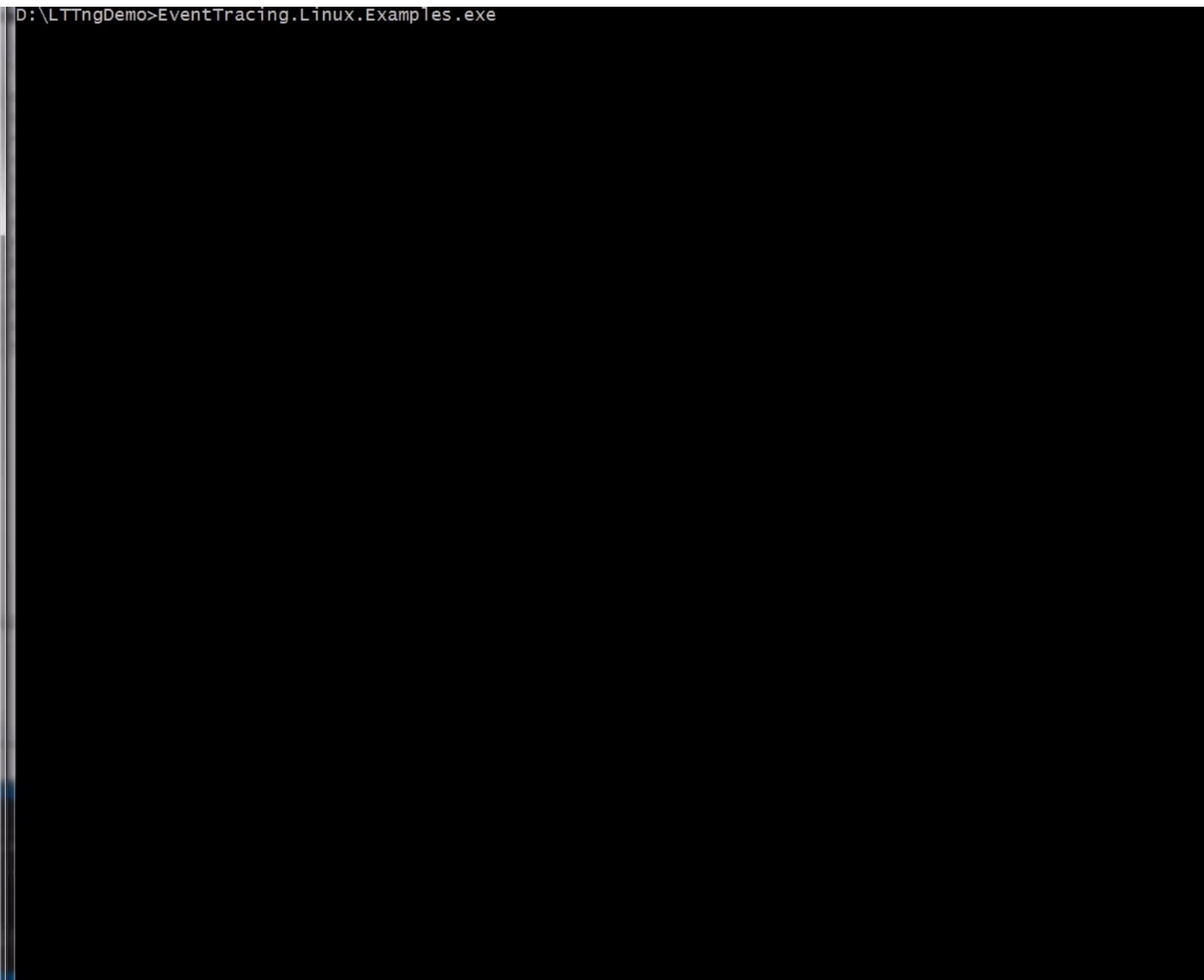
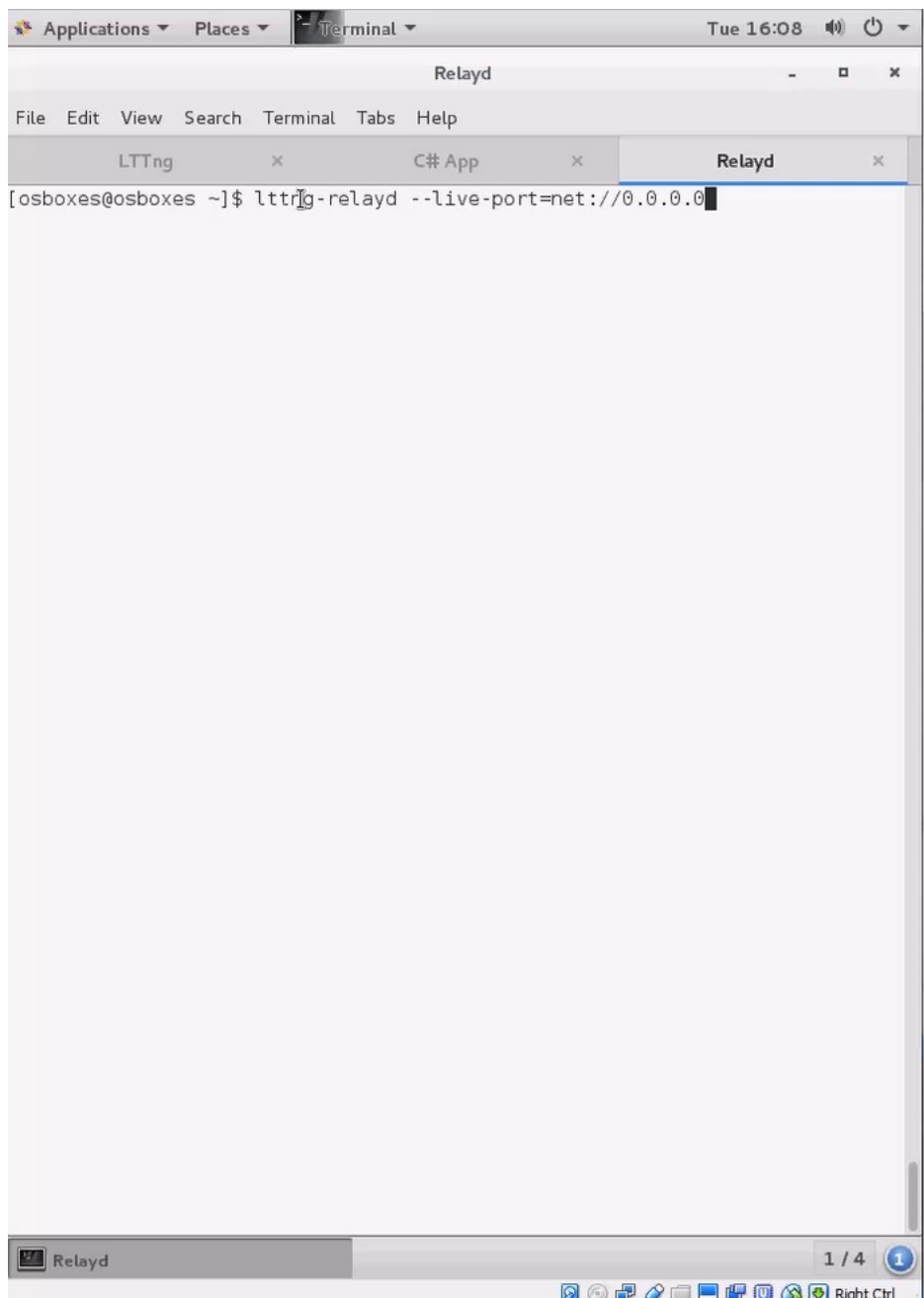
```
44  
45     public CtfTraceEventSource(string fileName)  
46     {
```

- Implement LTTng live session support: <https://github.com/Microsoft/perfview/pull/340>

# CentOS Pipeline to Grafana - 3/3

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# Lessons we learned



- Linux rocks for Windows developers ... with .NET Core!
- LTTng documentation... not very Windows developer friendly
- Ongoing effort on Microsoft TraceEvent Open Source Library