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Collectd

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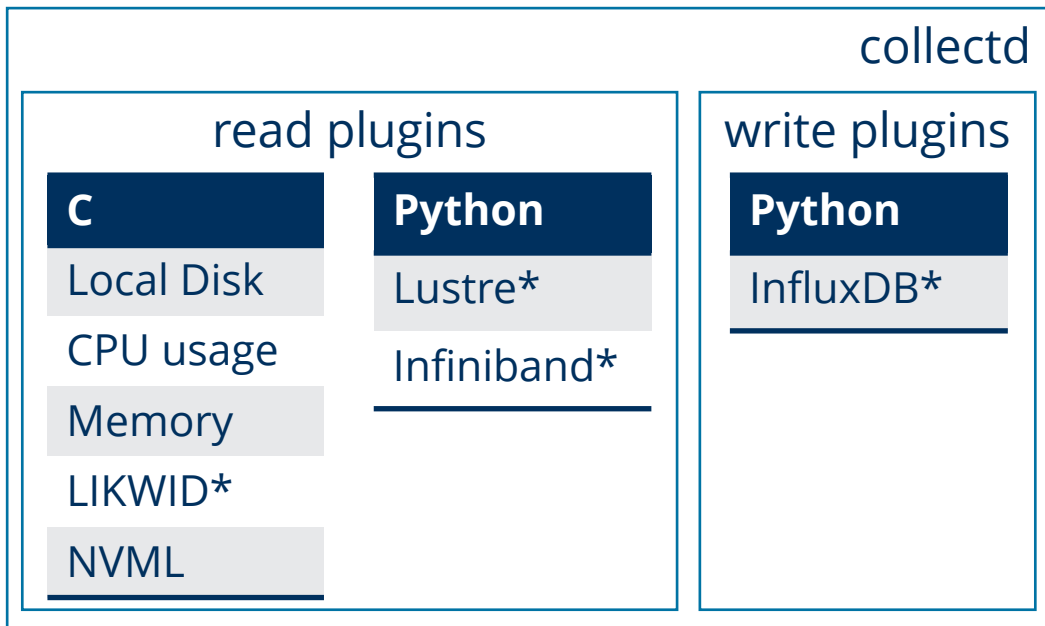
Collectd

- **Collection daemon** which collects system and application performance metrics periodically and provides mechanisms to store the values in a variety of ways
- **Minimal overhead** (daemon is written in C)
- **Open source and actively developed** and maintained by a large community
- Comes with **over 100 plugins** which range from standard cases to very specialized and advanced topics
- It **supports plugins written in Python, Perl, Java and C**
- Used in **PIKA**

<https://github.com/collectd/collectd>



Collectd for Job Monitoring



* developed/extended in PIKA

<https://gitlab.hrz.tu-chemnitz.de/pika/monitoring/-/tree/master/daemon/collectd/collectd-plugins>

- Extension for PIKA: **AlignRead** to execute read plugins at the same time on each node → enables simpler analysis and more intuitive visualization (<https://github.com/collectd/collectd/pull/3327>)