

## Two-weekly report

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### **Q. What have I accomplished since the last Daily Standup?**

We made a significant decision by opting for Prometheus as our monitoring tool over Nagios. This choice involved research, evaluating features, and considering compatibility with our project's goals. I've begun the installation process and initial configuration of Prometheus on Windows. This step involved overcoming specific challenges related to the Windows environment, such as setting up exporters, ensuring compatibility, etc. I initiated the process of logging performance metrics (CPU, memory, network) using Prometheus. This included setting up scraping intervals, defining the metrics to be collected, and starting to log data.

### **Q. What will I accomplish until the next Daily Standup?**

I plan to explore different formats (like CSV, XSV) for logging the collected metrics. This involves implementing the appropriate export mechanism in Prometheus to store the data in these formats for later analysis. I aim to configure Prometheus to listen to services running on servers. This might involve setting up specific service exporters or configurations to collect relevant data from these services.

### **Q. Do I anticipate any obstacles and can the team help me with them?**

Integrating Prometheus on a Windows environment might present unique hurdles. Windows systems differ in their architecture and setup from Unix-based systems that Prometheus often works seamlessly with. This might lead to issues in exporter compatibility, configuration differences, or resource handling. Team members with expertise in Windows environments or previous experience with Prometheus on Windows can offer insights into compatibility issues and troubleshooting methods. Configuring Prometheus to listen to services running on servers could be challenging. Different services might have varied monitoring endpoints or might not provide straightforward metrics to be scraped. It might require custom configurations or exporters specific to those services. Choosing the right data logging format involves considering various factors. Engaging the team in discussions about the pros and cons of different formats can lead to a well-informed decision.