Link to doc: <https://goo.gl/qLiZLA>

AMOS SS2022 Project 6 IDunion Blockchain Dashboard

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| Project name | IDunion Blockchain Dashboard |
| Project mission | In the interest of our industry partner the mission is to identify data of possible interest and display it in a dashboard. By displaying the data in the dashboard it is easy and intuitive to get the impression of the network activity and ledger status. Based on the displayed information the industry partner can optimize it´s businesses. |
| Industry partner | Siemens AG |
| Team logo |  |
| Project summary | We have started with the set up of the toolchain and managed to run a IDunion test network on our machines. Therefore not only the blockchain was set up, but the database Prometheus and dashboard software Grafana have been installed. In the end of the first half the toolchain was running including the test network, Indy Node Monitor software, the database and dashboard. First data was collected and analyzed.  In order to support reproduce ability and allow a fast and easy start-up of the implementation the environment was encapsulated in a container environment and configuration scripts define the startup. Moreover the metrics engine for analyzing the network with the blockchain was extended by a new key performance indicator.  After the implementation of the toolchain and metrics engine, the dashboard was created and several functionality has been implemented. It is possible to filter data by time, change the dashboard by role, and send alert messages via MS teams. Overall the dashboard is displaying the collected data in a reasonable fashion. |
| Project illustration |  |
| Team photo |  |
| Project repository | <https://github.com/amosproj/amos2022ss06-idunion-blockchain-dashboard> |
| Additional information |  |