Spring Boot Admin Task Experience and Integration Approach

Understanding:
As someone new to "Spring Boot Admin" (SBA), having completed a series of 3 tasks, I perceive SBA akin to an airport control tower in real life. Just as the control tower continuously tracks flights' take-offs, landings, and overall condition, SBA constantly monitors and manages Spring Boot projects.

Why Use It:
- **Central Monitoring System:** Like a control tower's radar system, SBA offers a unified control panel to monitor Spring Boot programs, showing which SBA-enabled programs are running, their health status, and other vital metrics.
- **Simplified Management:** Similar to a control tower guiding pilots during issues, with SBA, users can directly view logs, inspect internal details, or even modify certain attributes on the control panel without directly modifying the source code.
- **Visual Metrics:** As the control tower displays fuel levels to predict flight durations and landing sequences, SBA visualizes critical metrics, such as memory usage and active threads. This helps users predict and diagnose issues or prevent critical problems.

Task 1:
The first task was about setting up a new Spring Boot Admin project. After going through the official documentation, integration mainly involves:
- Establishing the Spring Boot Admin server.
- Registering the SBA client to the server.

Task 2:
The second task required registering a previously created news system as an SBA program. After integrating the necessary dependencies, an issue was encountered. The spring security's authentication, introduced in the previous task, was causing the problem. To resolve this, SBA interaction was allowed in the spring configuration class.

Task 3:
The third task required authentication to access the SBA dashboard, i.e., users must log in to view the SBA management interface. With spring security, user login credentials were set up.

Advanced Integration:
For a more advanced approach, one can use the login UI provided by "de.codecentric" specifically designed for SBA. This approach uses more intricate and custom authentication processes. The final step ensures the client can identify and is compatible with the advanced spring security configuration.

Conclusion:
With Task 3 completed successfully, one can refer to the code for more details.
Thank you.