

Administrator Extension Report

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Total time spent: (combined)

Category 1: 5 hours 55 minutes

- Adding / modifying the required methods (4 hours 55 minutes)
- Bug hunting / solving (1 hour)

Category 2: 1 hour 20 minutes

- Determining the best approach (1 hour)
- Extending the test suite with basic test methods (20 minutes)

Category 3: negligible

We chose to keep our admin system as dynamic as possible.

Essentially, “override permission” for a specific API method can be granted to any user.

Currently, there is no way to add new permissions to any accounts. Only the hard coded default admin account has said permissions for the required methods. (Though this could easily be implemented later)

We added a new table to the Authentication service to keep track of all admin permissions of all accounts and check said permissions when necessary.

We had to apply minor changes to all the method chains for the methods that had to be overridden, but overall the system was relatively easily adaptable, as usual.

The entire system also builds on the existing management system for users, which made sure that the changes mentioned above were essentially the only ones we needed to make.

The way we designed our admin system qualifies as a major decision.

Currently, only the methods required to be overridden for this extension can actually be overridden, but this can easily be changed for any other methods if necessary.

The major advantage of our implementation is that every admin account can be fine-tuned to allow it to override specific API methods, but not others. Also, any methods that might later be added could easily also be programmed to have the capacity to be overridden by admin accounts with the right permission.