Access Permission and Protection mode

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- It is dangerous to access other user's files therefore access permission settings is required in CNS machine

- Protection mode is a function which grant or deny access to privates files and directories with other users.

- Protection mode is a 3x3 combination of "who" and "what", which determines permission or prohibition for accessing

Who?

1. Owner of the file (user)

2. Member of group (group)
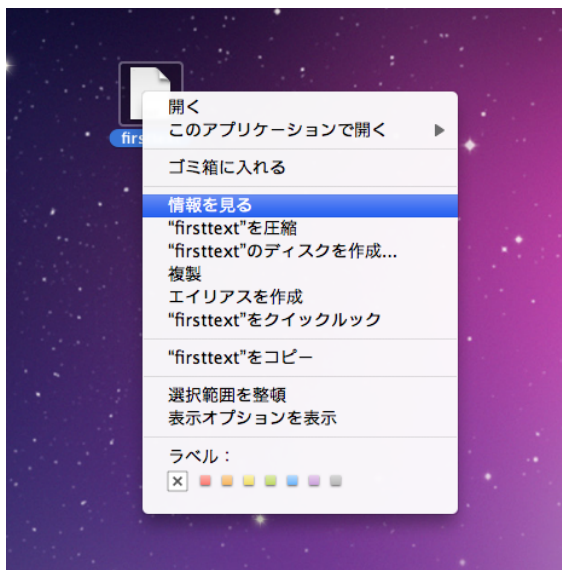   * All students are in the same group

3. Other (other)
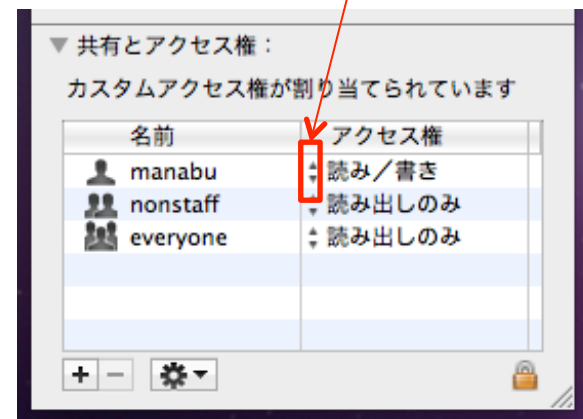
✕

Can do what?

1. Read file(read)

2. Write to file (write)

3. Execute file (execute)

View and Change Protection Mode

- Right-click on a directory or a file, then select "Get Info" in the menu.
- There is "sharing and permission" section at the bottom of the info window.

Click to choose

Notice when change protection mode

- You should be cautious when changing protection mode of some directories
- Protection mode of following directories should not be changed
  - Home directory
    - Permission for user to execute is required
    - If you change it, you might not be able to login
  - Maildir (Data of mail)
    - Permission for user to execute is required
    - If you change it, you might not be able to view mails