Sharing Notebook within Small Team

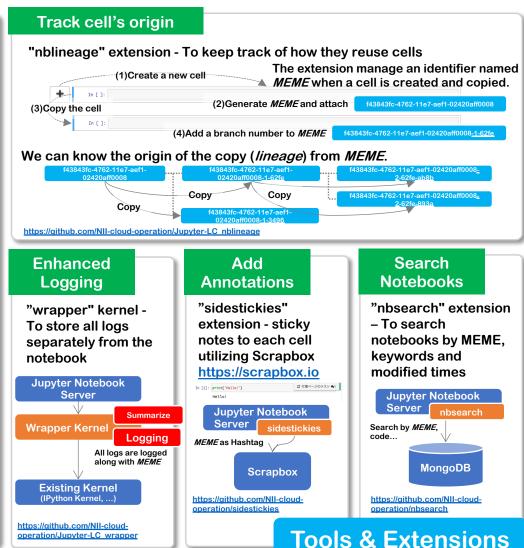
Background

The cloud operation team at National Institute of Informatics (NII) in Japan

- Consists of 4-5 engineers
- Managing the private cloud of NII using Jupyter Notebook
- For about 4 years, over 10,000 notebooks have been created and recorded as the result of our operations

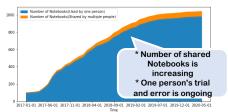


We have developed extensions for Jupyter Notebook to address the problems associated with sharing knowhow.



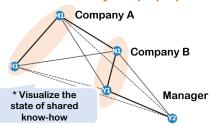
Current Progress

MEME reveals trends in Notebook reuse among team members...



Change in the number of notebooks (cumulative):

notebooks used by one person and notebooks shared by multiple people



Number of notebooks shared among team members

- * Node: a member
- * Edge: Levels of Notebook sharing (dotted: <4 Notebooks, thin solid: <8, thick line: ≥8 Notebooks)

Our tools provide visualization of the state of the team and helps to improve team collaboration.

DEMO Notebook at BinderHub!

https://mybinder.org/v2/gh/ NII-cloud-operation/Jupyter-LC_docker/jupytercon2020demo



