

Oct/19

Morning session (09:00-12:00)

Today we worked more deeply with how printer handles requests internally. Especially, from the web server how our PRINT request is sent to the Printer. Simply to print a document, it follows some steps in order to execute the request. For routing that steps **Printing Service** works.

Introduction of API

Most important concept for further understanding of API was started by Harsh san.

Understood how API handler works with webserver and Printing Service

Sequence flow is useful for thinking relation between printing service and webserver.

Working environment

Prepared the working environment for further studying of an API.

Postman

Printing service

Test API

Using Postman application and Printing service, we tested some APIs (GET, POST requests) for understanding how they handled.

For that.

- Registered a printer
- Get information of registered printer
- Upload a job
- Print a job
- Get printer status
- Delete printer

Afternoon session (13:00-17:00)

Independent API learning (testing and executing)

Understood how to follow **specification sheet**

Used most (almost all except some configuration or unsupportive APIs) of the Printing Services APIs and became familiar with its usage and correlation with Printing Services.

Device Management APIs (GET, POST, PUT, DELETE method)

Get installed plugins, registered printers, register/delete/ discover printer. Get printer details and update printer details.

Print Job Management APIs (GET, POST)

Print, cancel, check constraint job. Upload document and get active jobs status

Device info Management APIs (GET)

Color profile, Tray assignments, Paper catalog, Support options

Configuration APIs(GET)

Version info, IP info

Thoughts about Printing Service APIs

Check document (job) status by its device entry ID.

Get job info by its status.