**API – Self-Learning Notes**

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# API Definition

## Swagger

### Cheat Notes

### Open Questions/Further research

* How do I split definition into multiple files to encourage collaboration?
* What is the best way for collaboration?
* What is the best way to integrate with github?
* How do I declare backend mapping in Swagger definition?

### Observations

* Need to host Swagger UI internally to support definitions with multi-file dependencies.
* Swagger UI interprets Swagger file slightly different from Swagger Editor
* Swagger does not have ‘inheritance’ support that RAML does
* RAML, on the surface, appears more supportive of collaboration

### Challenges

* As of now (Feb 2016), Swagger 2.0 does not provide the ability to pass a dynamic values in $ref

# API Design

# API Deployment

## Apigee Swagger2API tool

### Cheat Notes

* Aka [Swagger Apigee node utility](https://github.com/anil614sagar/swagger-apigee-node-utility)
* Tool to convert Swagger definition to API proxy on Apigee. Introduction [here](https://community.apigee.com/articles/8796/swagger2api-a-nodejs-command-line-tool-to-generate.html).
* For multi-file definitions: As of February 2016, Had to modify some of the $ref tags as relative paths were not working properly
* Commands attached

