# PAC Framework – 3.0

## Design [Ingestion Framework Design - 3.0.pdf](https://advantagesolutionsnet.sharepoint.com/:b:/r/sites/DataLakePlatform/Shared%20Documents/Data%20Engineering/Foundation/3.0/Ingestion%20Framework%20Design%20-%203.0.pdf?csf=1&web=1&e=GrxlJp)

## Improvement Considerations

* Configuration generation still requires manual intervention but has no easy validation except to run the job
* There are cases where error messages are unclear when debugging an issue
* Configuration values sometimes clash in unexpected ways, requiring an intimate knowledge of the framework code or extensive debugging
* Asset bundle creation is a manual step that requires knowledge of how they work to be effective
* Deployment has not yet hit CI/CD