Matillion Best Practices

* Have different Matillion instance for DEV, QA/UAT, and PROD
* Create one or more Projects depending on Team/Application
* Create one or more Environments within a Project in Matillion
* Create Versions for each team member
* Integrate your project with Git or supported code repository
* Create a branch from master branch to develop any new job or to modify any existing job
* Always do Git Fetch before creating any branch from Matillion
* Once development & testing is completed, merge it to master branch on Git
* A version & a git branch makes independent workspace for each developer
* Do not create any versions in Prod as Prod Matillion instance will always checked out to master branch
* Create Environmental variables for common variables to be used in most of jobs
* Create Job variables when variable is getting used only within the job
* Always try parameterizing database name, schema name, s3 bucket name, jdbc url etc
* Use Group password manager to store any third-party passwords and create same name for a password in different Matillion instances
* Create Shared Job to implement any common functionality/job

Matillion Frequently Used Components

* Query result to scalar
* Query result to grid
* If, Or, And
* SNS
* S3 Load / S3 Unload
* Python
* Bash
* SQL Script
* Success, Failed
* Grid Iterator, Fixed Iterator
* Database Query
* RDS Query
* RDS Bulk Output
* Couchbase
* API Query
* Run Orchestration
* Run Transformation
* Table Input
* Table Output
* Table Update
* Rewrite Table
* Create View
* Filter
* Calculator
* Join
* Detect Changes
* SQL
* Flatten Variant
* Extract Variant
* Sort
* Distinct
* Lead, Lag
* Rank