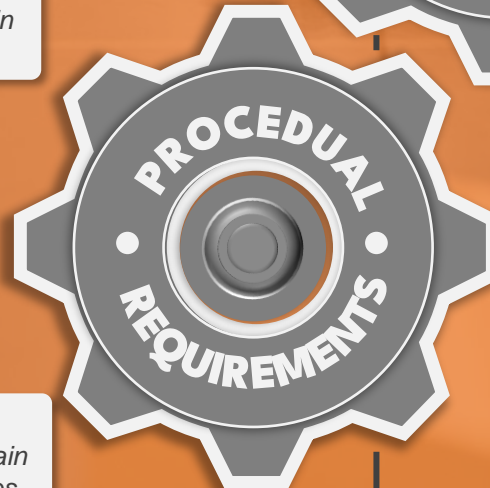
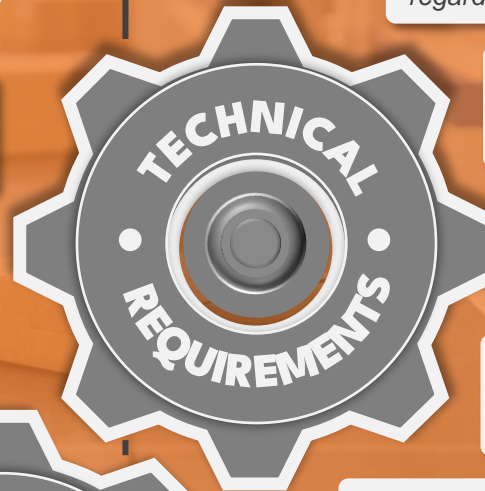
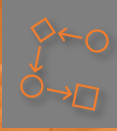


TOP 16 REQUIREMENTS FOR DEPLOYMENT PROCESSES IN POWER BI AND FABRIC



ENVIRONMENTS

Split the process into independent, separated layers for development, testing and production according to your needs



ARTIFACT PRECEDENCE

Ensure that the logical deployment sequence (data artifacts before related report artifacts) is always adhered to



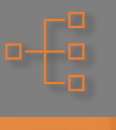
FOUR EYES PRINCIPAL

Technical and functional tests shall be carried out by third parties not involved in the development of the feature



TESTING MINDSET

Every deployment to production should be preceded by technical and functional tests and approvals



ROLE HIERARCHY

Deployments to the various environments are the privilege of specific roles, such as developers, test- or release managers



APPROVAL HIERARCHY

Different phases and stages of the deployment process are subject to certain levels of approval- and release privileges



TRANSPARENCY

The development progress and status of features should be traceable at all times. Kanban boards can provide support here

The error-proneness of manual work should be reduced as far as possible by automated tests and releases

PROCESS AUTOMATION

Deployments, based on same data, should always lead to the same results regardless how often they are repeated

IDEMPOTENCE

In each of the different environments, data should be tailored to requirements in terms of volume, confidentiality or actuality

ADEQUATE DATA BASIS

The environment into which a feature can be deployed is linked to its development status on the Kanban board

STATUS BINDING

Support multi-developer scenarios by using branching strategies that meet your needs in regards to speed or security

GIT WORKFLOWS

To reduce the need for refreshes, deployments should only include the metadata of the artifact and not its data

METADATA DEPLOYMENT

Code changes should be regularly merged into a central repository and be subject to automated tests and builds

CONTINUOUS INTEGRATION

In order to keep release cycles as short as possible features should be deployed continuously instead of batch-oriented

CONTINUOUS DELIVERY

A version history of all code changes should be kept to enable rollback to older versions of an artifact if necessary

VERSION CONTROL

