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# Description

**Process 1: Static Data in DNIF**

The process is divided into 4 stages of small description. This will help us further to understand how we are solving problems in each stage or what is necessary for that particular stage to be completed and pass on to the next stage.

*Stage 1:*

* Select & understand data-set from a domain of interest.
* This is the initial step, which of-course sets the entire purpose of what kind of data you are looking to analyze and make visuals on. It is an important step as your quality of work depends entirely on this. (There is no limitation to the number of data sources, it will only be limited by imagination and lack of skills in further stages – meaning multiple datasets could be merged in to one single source using logic and code & then uploaded on DNIF)

*Stage 2:*

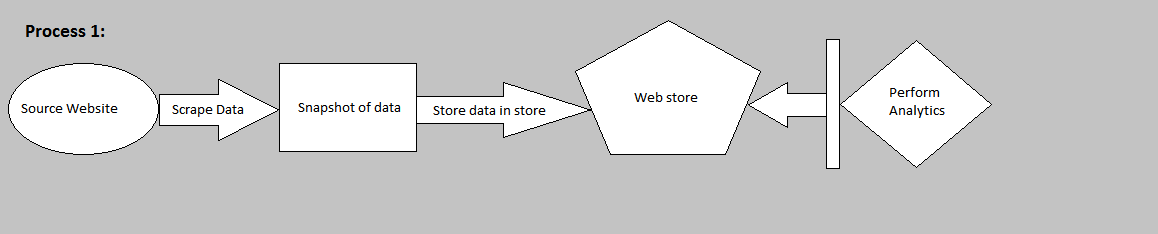
* Understand DNIF platform and its capabilities limited to project scope.
* This step was introduced so that, one is beforehand ready and understands what the platform is, how it works, what are its capabilities, its features, the query language, deployment models, limitations, etc.

*Stage 3:*

* Get the static data-set inside DNIF platform
* This stage is where the real game begins. Look out for the format of the file one is uploading, how it is being uploaded, and other requisites.

*Stage 4:*

* Perform analytics, create dashboards, & build alerts.
* Once your data is inside DNIF by uploading through the event store, all the skills and understanding acquired in stage 2 could be put into action.



*Fig 1: A Squeezed Perspective*

# How to Do It?

Let us go in steps in order to achieve the outcome desired. These steps are descriptive in details and highlight which stage the accord to. Let us dive in and perform these sequentially.

**STEP 1:**

## Installing DNIF

* To do this, first “Sign-Up” with DNIF and read the pre-requisites guide here:

Sign-up: <https://dnif.it/signup.html>

Pre-requisites: <https://dnif.it/docs/guides/getting-started/prerequisites.html>

* Then follow the steps mentioned in “1\_The\_DNIF\_Installation\_Guide.docx” which is present in the repository. Here’s a link to it: <https://github.com/dnif/DigiVigi/tree/master/Guiding_Documents>
* There are videos and other documents as well which are provided by the Organization which can guide, but it does not cover the details in it which we require. Here’s a link to it:

<https://dnif.it/docs/guides/getting-started/installing-dnif.html>

**NOTE:** In our case we have done the setup on a Virtual Machine. One can have a separate server like machine with a dedicated Ubuntu/ CentOS.

**STEP 2:**

## Identifying the dataset and its source

**STEP 3:**

## Understanding DNIF

**STEP 4:**

## Capturing the Dataset

**STEP 5:**

## Uploading the data

**STEP 6:**

## Creating Package

**STEP 7:**

## Creating Widget(s)

**STEP 8:**

## Creating Dashboard

**STEP 9:**

## Configuring SMTP for DNIF

**STEP 10:**

## Creating Alert(s)