UML Diagrams: Interactions between Dataverse and Notary Service

Diagram 1: Dataset Registration
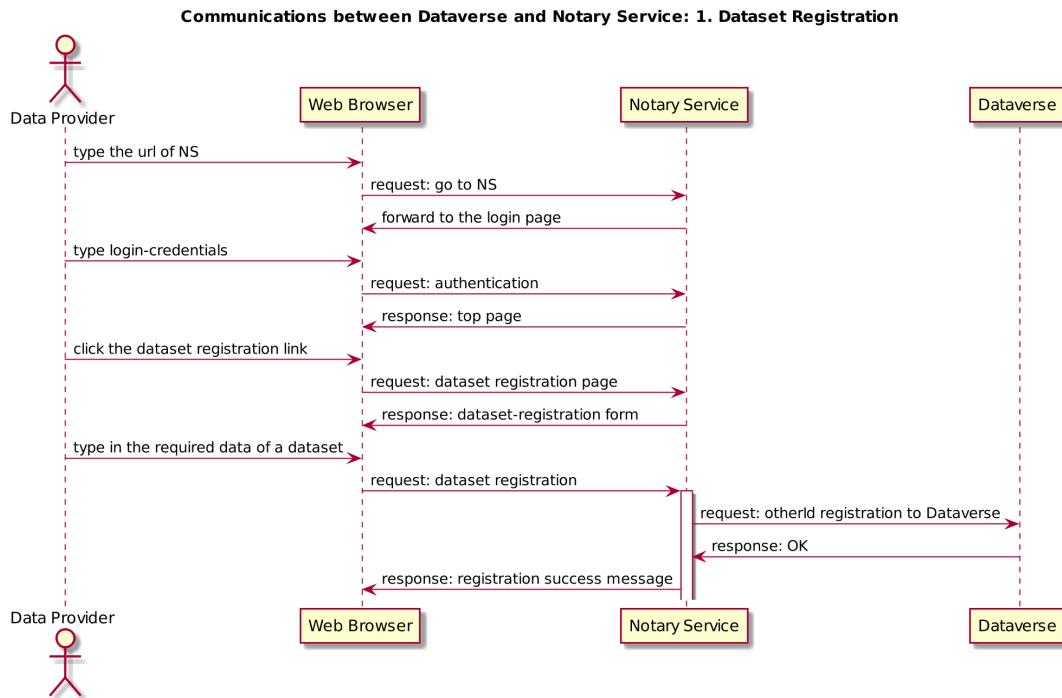
Communications between Dataverse and Notary Service: 1. Dataset Registration

Diagram 2: Datafile-downloading

Communications between Dataverse and Notary Service: 2. Datafile-downloading request

Researcher | Web Browser | Dataverse | Notary Service | Safe Server | presidio

type the landing URL of a Dataset → Web Browser

request: landing page of the Dataset → Dataverse

response: Landing page ← Dataverse

click the "Download" button of a DataFile → Web Browser

request: Downloading the DataFile → Dataverse

retrieve the other Dataset ID (Dataverse self)

build the url of the Dataset (Dataverse self)

redirect action ← Dataverse

redirect to NS Dataset landing page → Notary Service

response: NS login form page ← Notary Service

type his|her credentials in the form → Web Browser

log-in request → Notary Service

response: Dataset landing page ← Notary Service

click a download link → Web Browser

request: Datafile downloading → Notary Service

access-validation request → Safe Server

response: access granted ← Safe Server

forward to presidio → presidio

response: prompt the save as action ← presidio

click the save as button → Web Browser

dump the Datafile ← presidio

Researcher | Web Browser | Dataverse | Notary Service | Safe Server | presidio