Intelligent Form

With Adobe XML Forms Architecture (XFA)
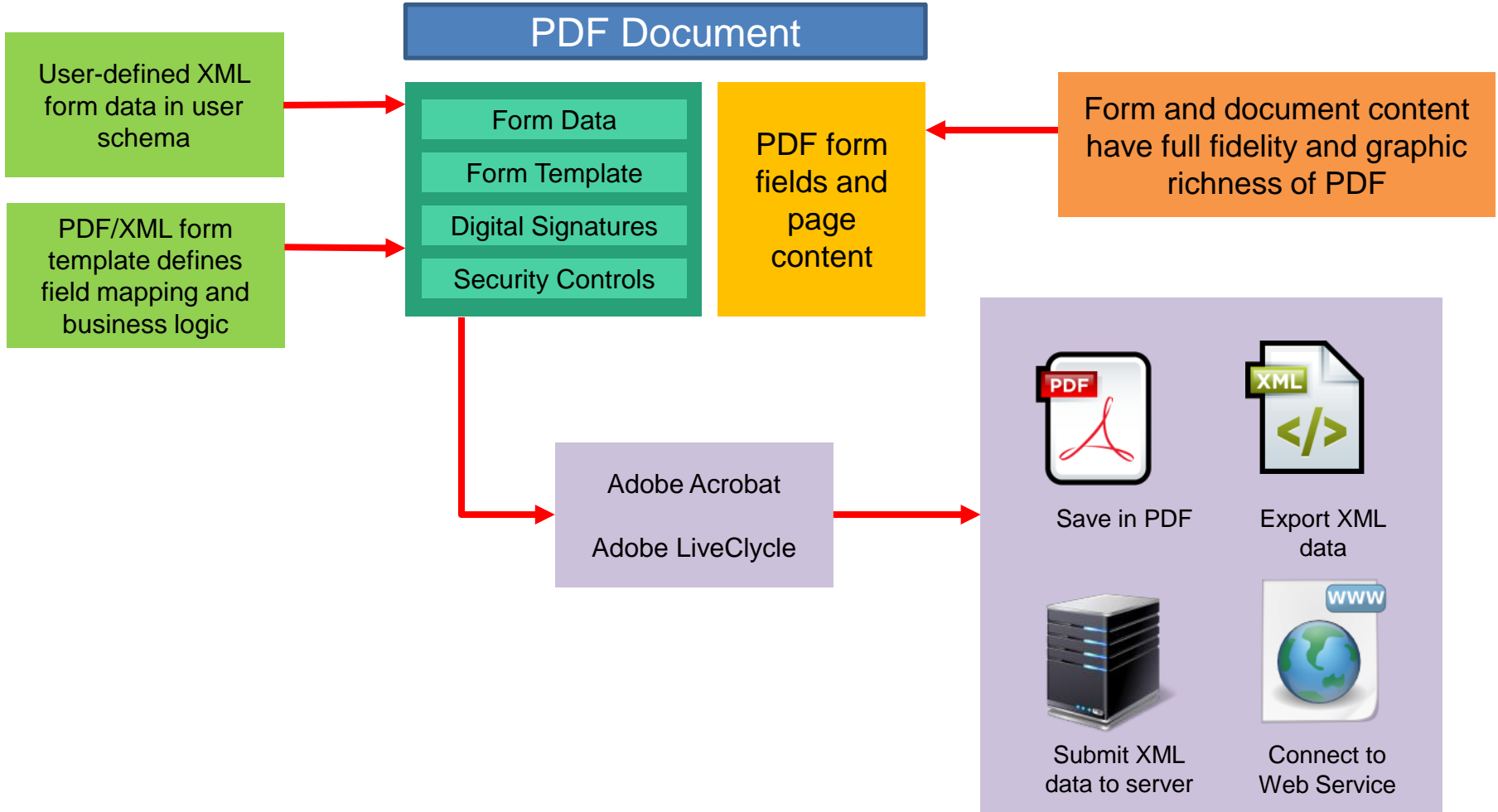
สำนักงานพัฒนาธุรกรรมทางอิเล็กทรอนิกส์ (องค์การมหาชน)
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Adobe XML Forms Architecture (XFA)

Submit or export as XDP

Submit, export or save as PDF

```
                              XFA
           ┌──────┬───────────┼───────────┬──────────┐
       datasets  template    PDF     Other XFA-      XML
           │                          related
         data                        packages
```

```
              XDP
      ┌────────┬──────┬──────────┐
  datasets  template  PDF    Other XFA-
      │                      derived
    data                     packages
```

```
                   PDF
      ┌───────────┬──────────┬──────────┐
  XML form data template  FDF (annots)  Other
      │                                  objects
    data
```
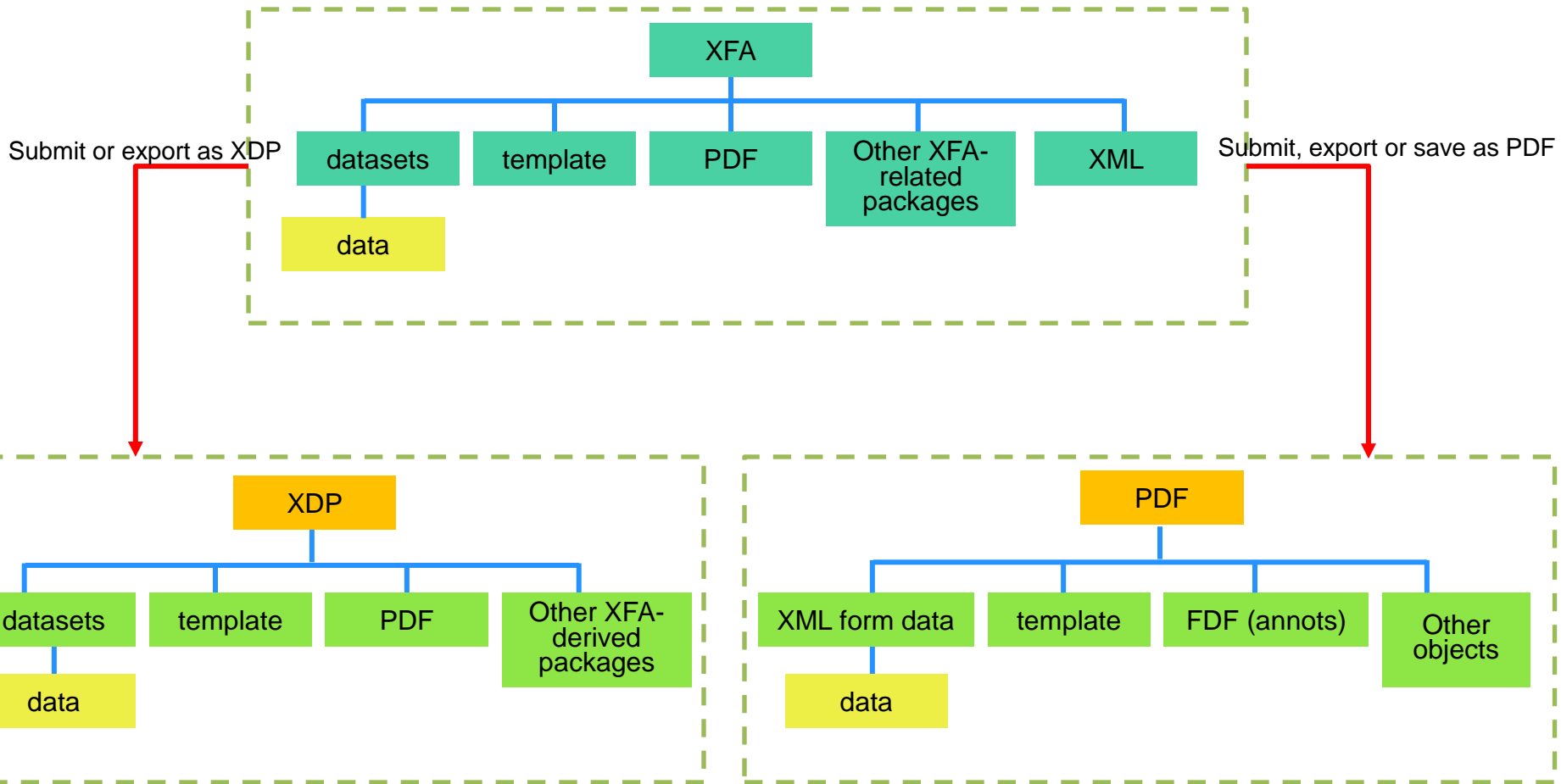
When an XFA processing application is requested to submit or export XFA components, it packages those components as an XDP document (below left) or as a single PDF document (below right). XDP and PDF can represent the same XFA form component; however, they differ in their root nodes and in the compliance with XML. That is, XDP is XML-compliant, while PDF is not.

Adobe XML Forms Architecture (XFA)

Combining PDF templates and XML form data

PDF Document

User-defined XML form data in user schema

PDF/XML form template defines field mapping and business logic

Form Data
Form Template
Digital Signatures
Security Controls

PDF form fields and page content

Form and document content have full fidelity and graphic richness of PDF

Adobe Acrobat
Adobe LiveClycle

Save in PDF

Export XML data

Submit XML data to server

Connect to Web Service

An XDP file is an XML file that packages a PDF file in XML, along with XML form and template data. Since an XDP file is an XML file, standard XML tools, system interfaces, and Web services can work with it, making the XML data directly accessible.

Adobe XML Forms Architecture (XFA)

Submitting XML Data using PDF documents workflow

A PDF form is summited as XML data

Form data is extracted and placed into database

The PDF document is stored in content service/repository

Form data is merged with a form design to create a non-interactive PDF

Client Web browser (required Adobe Reader plug-in)

HTTP Request

HTTP Response

Adobe XML Forms Architecture (XFA)

Example: XFA to XML