ASEAN IT Business Strategy Workshop on Digital Government Services

Topic 7: WIPO IP Office Cloud Services

Date: February 24, 2023

WIPO Industrial Property Business Solutions Division (IPOBSD)

WIPO IP Office Suite

- WIPO developed group of software for National IP offices.
- **IPAS (Intellectual Property Administration System)** – back office workflow-based, customizable, end-to-end system for administration of data, processes and documents associated with the registration of patents, trademarks, and industrial designs.
- **WIPO File** - online filing and notification system
- **WIPO Publish** - online search, publication and intellectual property data exchange

https://www3.wipo.int/confluence/display/wipoimd/1.+Overview

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WIPO IP Office Suite

■ 90 National IP Offices are using the complete suite or some modules.

■ 6 ASEAN IP offices are using **WIPO IPAS** as IP Administration back office system, and provide online searchable IP database service using **WIPO Publish**. Examples:

  ■ Laos: http://online.dip.gov.la/ipsearch

  ■ Vietnam: http://wipopublish.noip.gov.vn/

■ In Asia, Cambodia, Mongolia, Myanmar offices are using **WIPO File** to provide online filing service.

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WIPO IP Office Suite

■ **WIPO Publish** is used for ASEAN IP data exchange with ASEAN regional databases, WIPO Global Databases.

Data flow diagram of ASEAN PATENTSCOPE http://ipsearch.aseanip.org/wopublish-search
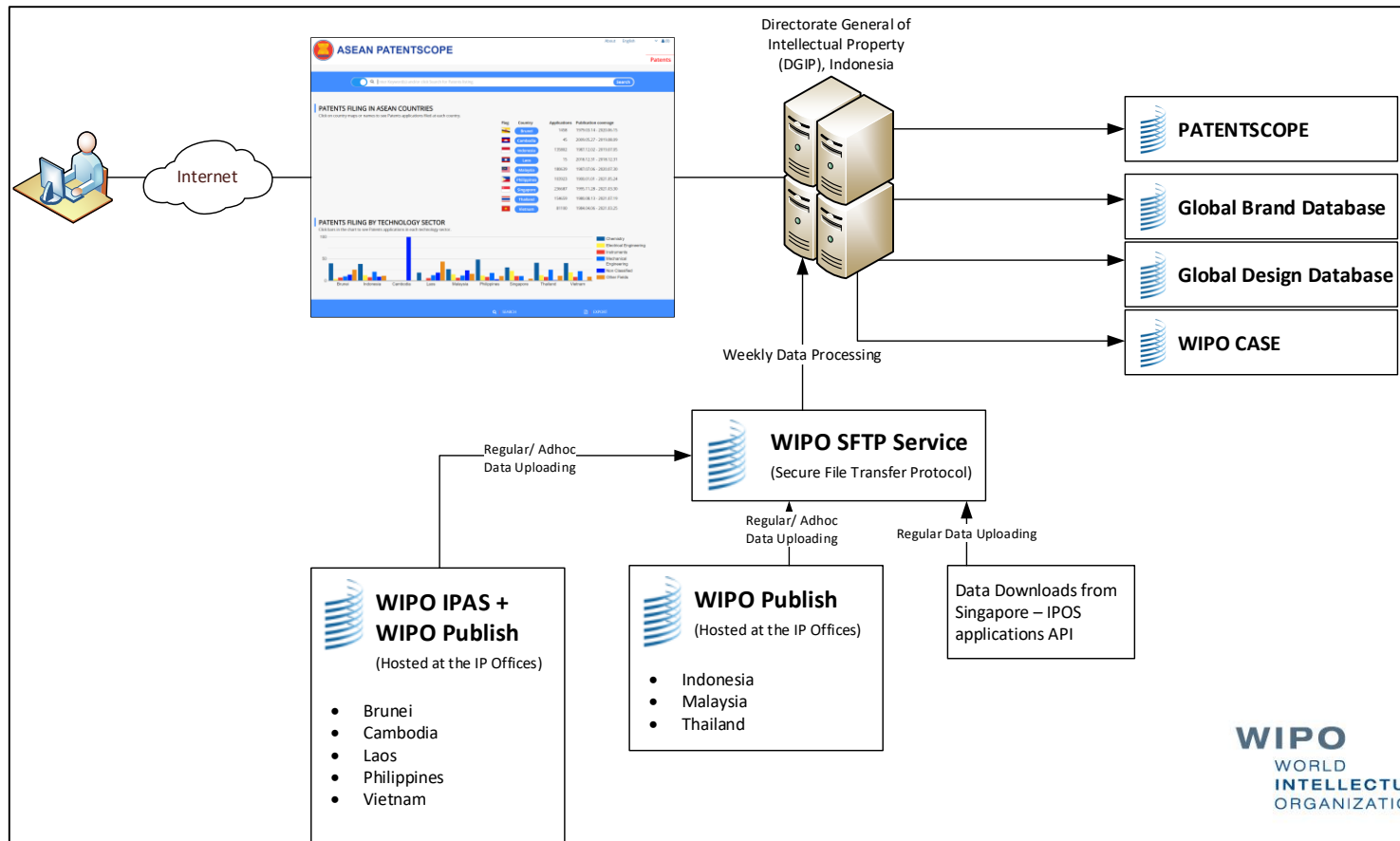
WIPO IPOBSD Service Delivery

■ Under the framework of WIPO – National IP Office Cooperation Agreement for the Development of Intellectual Property Office Business Services

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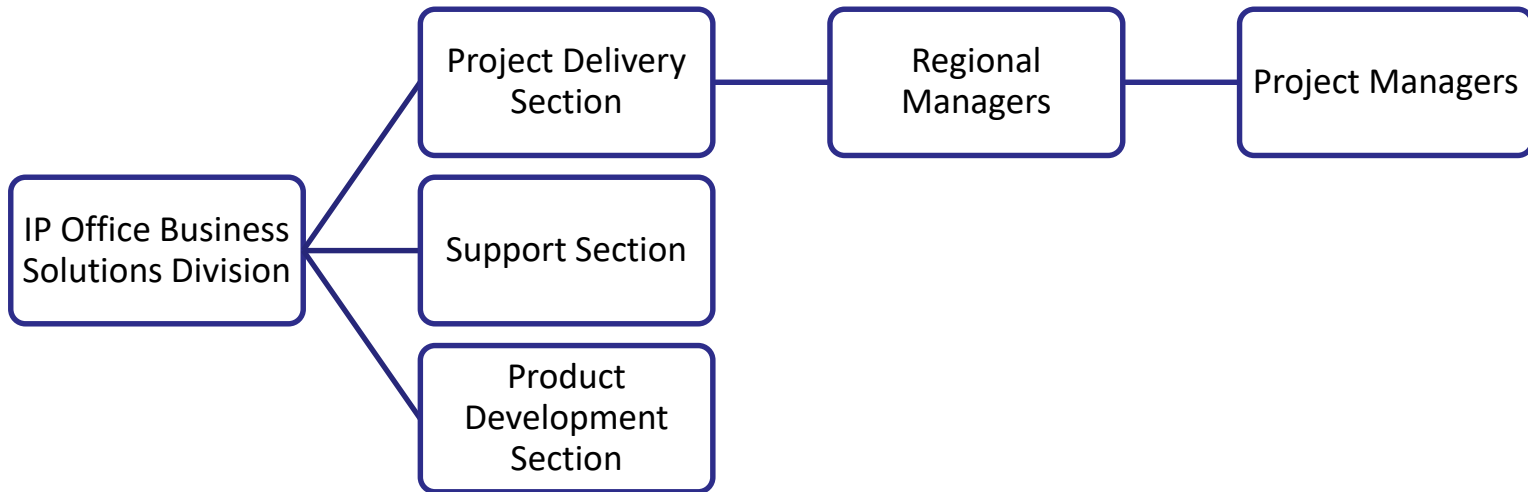
Typical IT Infrastructure for on premise WIPO IP Office Suite

VLAN for Servers

Database Server(s) for
- IPAS
- WIPO File

Application Server(s) for
- WIPO File
- WIPO Basic Software

Storage

Application Server(s) for
- IPAS
- WIPO Publish for EDMS
- WIPO Publish for Data Exchange)

- It is required to have minimum two environments of WIPO Systems for production, development, testing, training use.
- Specification and number of required servers varies according to the WIPO systems to be used, number of environments.
- Other servers such as File server, Authentication server are out of the scope of this diagram.

DMZ

Server(s) for Online systems (Web Server/ Reverse Proxy)
- Apache/ IIS
- WIPO Publish (Public)

- A domain/ sub domain name, and public IP address are required to run online servies.
- SSL Certificate is required for WIPO File.
- Web Server for office website, Email services are out of the scope of this diagram.

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WIPO Services
- FTP
- SFTP
- Web Services

- Software Licenses
  - Server Operating Systems
  - Database servers
  - Backup software
  - Anti-virus
  - etc.
- Internet connection with Public IP Address
- Domain Name
- SSL Certificate

VLAN for office users

Application Reception

Data Capturing, Scanning using WIPO Scan

Formality Examination, Classification

Examination

Publication

Registration

Post Registration

Notification

System Administration

Network printer(s)

Network Scanner(s)

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Key Challenges with On-Premise Systems

- Human Resource

- Infrastructure Upfront and Upgrades Cost

- Software Development/ Maintenance/ License Cost

- Data Security

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Cloud-Hosted WIPO IP Office Suite

■ https://*xx*.wipo.net/ipas
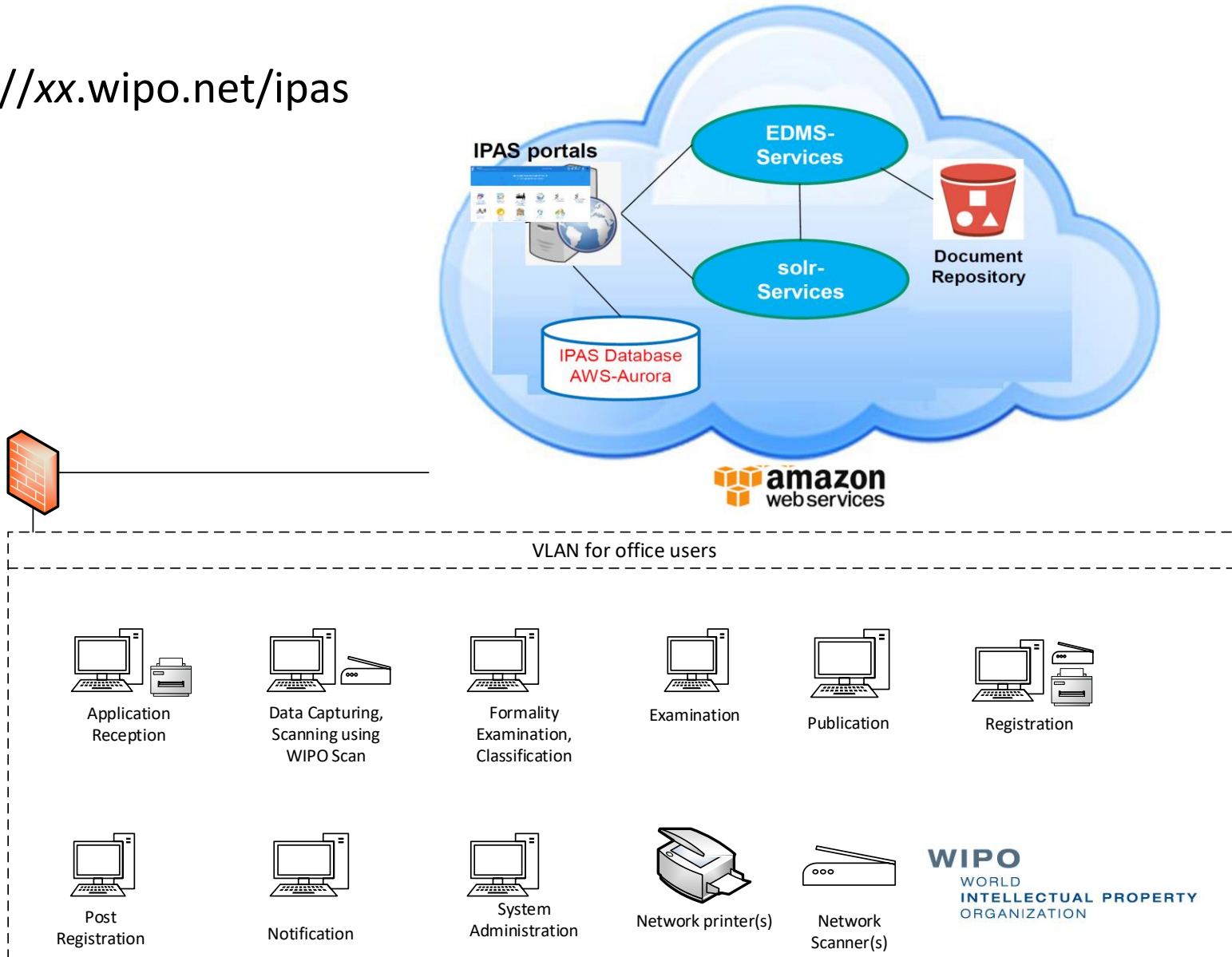
Cloud-Hosted WIPO IP Office Suite

- Software as a Service (SaaS)

  Example: https://bt.wipo.net/ipas

- IP Offices officials can focus and customize business processes, workflows, and templates using IPAS Designer software.

- WIPO team will manage necessary IT administrations including

  - Regular Data backup

  - Software maintenance and updates

- WIPO team will provide Training and Support.

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Benefits for IP Offices

- Human Resource – IP Office officials will work on business processes, workflows, and templates instead of IT administration

- No infrastructure upfront and upgrades cost for Cloud-Hosted WIPO IP Office Suite

- No software license cost for Cloud-Hosted WIPO IP Office Suite

- Data backup – regular backup within the cloud environment

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Cloud-Hosted WIPO IP Office Suite - Feature Improvements

	IPAS 3.x	IPAS 4/ Cloud
Fees Calculation	Not supported	Supported
Digitization, data capturing	Supported	Improved with integrated Digitization module, and quality control workflow support.
Work Distribution	Supported	Improved
Trademark Search and Examination	Supported	Improved
Patent Search and examination	Limited national database search on bibliographic data	Improved - integration of WIPO PatentScope and WIPO CASE
Industrial Design Search and Examination	Limited national database search on bibliographic data	Limited national database search on bibliographic data
Search History	Not supported	Supported

Cloud-Hosted WIPO IP Office Suite - Feature Improvements

	IPAS (version 3.x)	IPAS 4/ Cloud
Examination Checklist	Not supported	Supported
Paperless Office Document	Limited support	Default
Access to digitized documents	Supported	Improved user interface
Standardized Legal Status	Not supported	Support WIPO ST.27
Work from Home	Supported	Possible
User Interface	"Too many windows"	Single Window
API Access	Supported	Improved

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IPAS Cloud – User Interface and Features

User Roles and Permissions based Home screen

IPAS Cloud – User Interface and Features

Receiving module with fees calculations and batch reception

IPAS Cloud – User Interface and Features

■ Integrated Digitization module

IPAS Cloud – User Interface and Features

Bibliographic Data Capture module

IPAS Cloud – User Interface and Features

■ Pre-configured Similarity Search

■ Custom and External Search
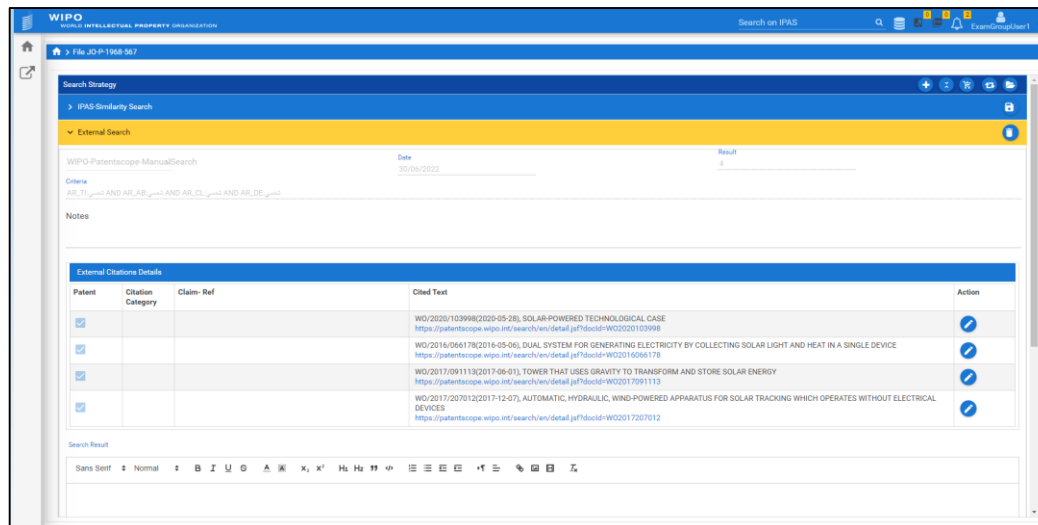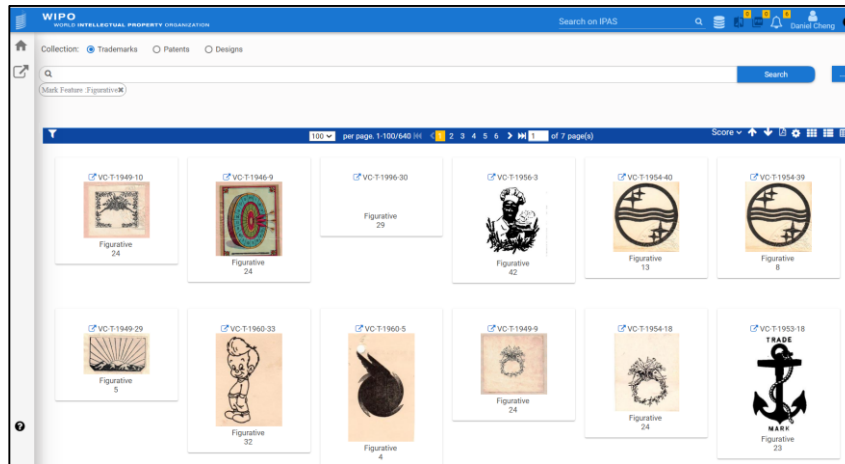
IPAS Cloud – User Interface and Features

Improved User Interface

IPAS Cloud – User Interface and Features

- Business Process Status View
- Checklist

IPAS Cloud – User Interface and Features

■ Business Process Grouping and mapping to WIPO ST.27

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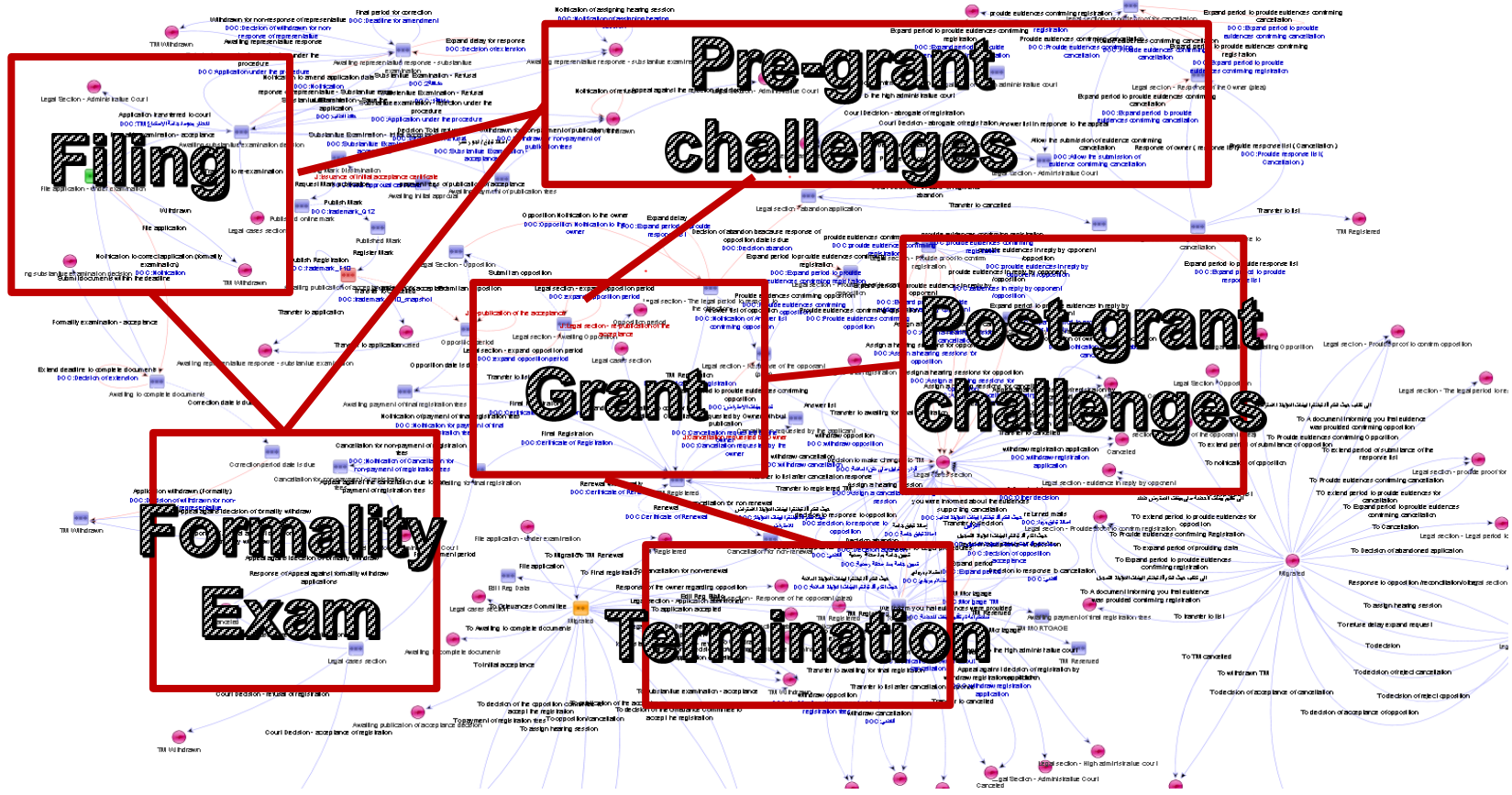
IPAS Cloud – User Interface and Features

Access to WIPO CASE for Patent Examiners

Cloud-Hosted WIPO IP Office Suite - Feature Improvements

	WIPO File (version 2.x)	WIPO File Cloud
Fees Calculation	Supported	Improved
Online Submission	Submit and pay for each application/ request	Submit and pay multiple applications/ request in one batch
Online Payment	Supported; requires development of interfacing module	Supported; requires development of interfacing module
Post-Filing Request	Common web form with limited data fields for post-filing requests	Separated web forms with relevant data fields for more post-filing requests
Online Notification	Supported	Improved with File History view
Tracking Application Status	Not supported	Supported
API Access	Not supported	Supported

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WIPO File Cloud– User Interface and Features

WIPO File Application Form and Filing Dashboard

Cloud-Hosted WIPO IP Office Suite

- National Office will be provided with different environment
    - Pre-prod environment – for migration/ new deployment use; enabled on demand or at scheduled time.

    - Acceptance environment – for Acceptance testing, training and support activities; enabled on demand or at scheduled time.

    - Production environment – production environment national office uses; available 24/7

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Cloud-Hosted WIPO IP Office Suite

- Pilot Office – Migration in Progress
    - Bhutan – Patents and Industrial Designs

- Pilot Offices are identified counting on various considerations.

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Thank you.