



# **WIPO – ASEAN IT Workshop**

## ***Topic 5 WIPO IPAS Cloud and Migration Process***

*WIPO IP Office Business Solutions Division*  
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# WIPO IPAS Cloud on AWS Infrastructure 1/2

- Cloud hosting in AWS Europe (Frankfurt) region at the moment
- Each IP Office has several IPAS environments
  - Development / Preprod to prepare new releases
  - Patches for production hotfixes (as needed)
  - User Acceptance tests, support and training (on demand or at scheduled time)
  - Production **24/7**

# WIPO IPAS Cloud on AWS Infrastructure 2/2

- Each office AWS environment comprises its own set of configuration, data and documents
  - Fully integrated system including back-office component (WIPO IPAS) and front-office components (WIPO File and WIPO Publish)
  - Single database for both WIPO File and WIPO IPAS
  - New API protected by app client id and scope (M2M)
- Access controls whitelisted by IP addresses and private keys-based for Office IPAS system administrators

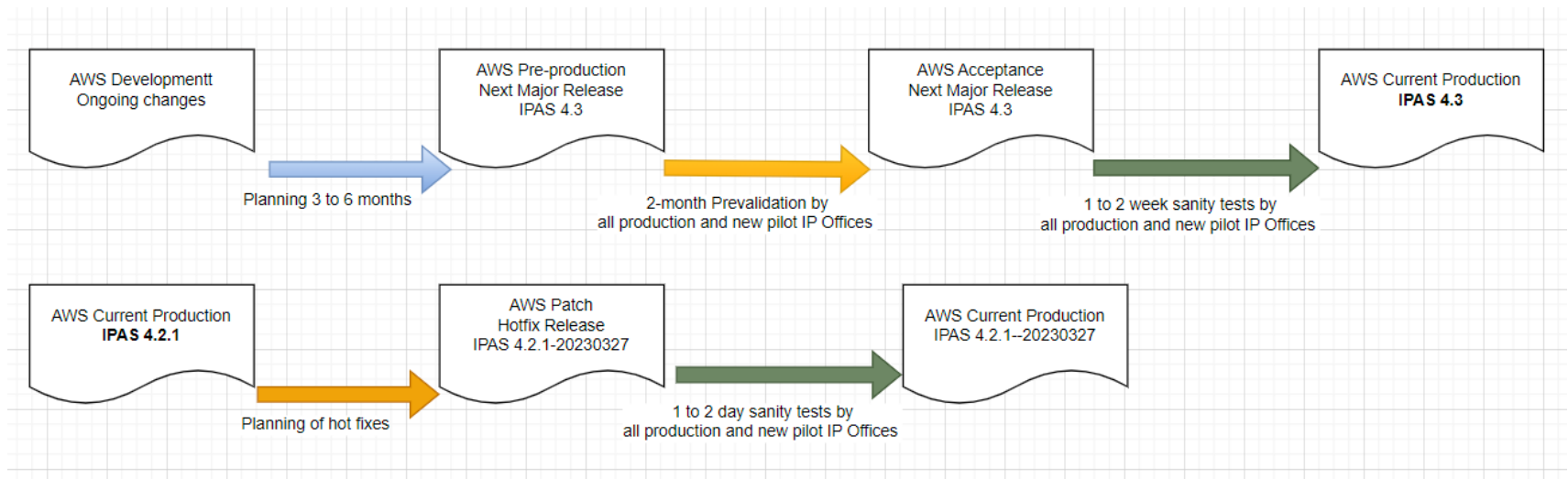
# WIPO IPAS Cloud

## 3 Key Benefits

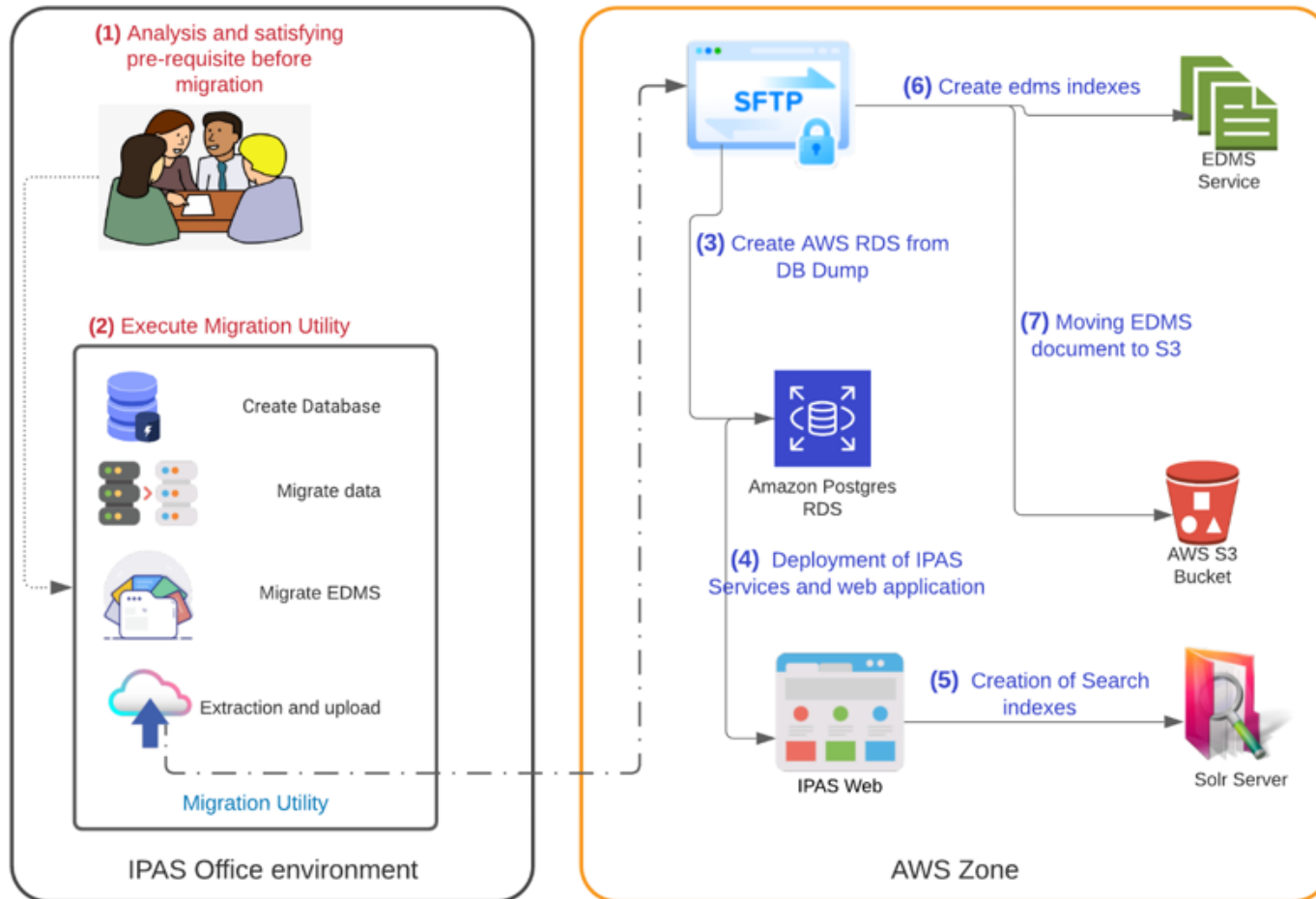
- Reduced license costs with open-source database and operational costs with AWS infrastructure and resources
- Increased work efficiency and improved data quality
- 24/7 availability with auto-scaling capability, data cache through AWS edge locations and daily customized backups

# WIPO IPAS Cloud Releases and Patches

- New release applied to all offices in production (minimum 2 per year)
- New patch for hot-fixes applied to all offices in production



# WIPO IPAS Cloud Migration Process



# WIPO IPAS Cloud Migration Pre-requisites

## ■ MANDATORY

- The IPAS 4 data migration utility can be executed on the IPAS version 3.5 and above
- The Application type of 'Patents' should be configured to have used either 'Locarno' indicator or 'IPC' indicator to distinguish whether it is design or patent
- The table IP\_DAY should have only one record per day
- Convert logo, patent and design images to jpeg
- Convert and move Base64 images of logo, patent and design from section table to main table

# WIPO IPAS Cloud Post Migration Tasks

- Migrate existing users with proper business role
- Mandatory configuration changes in Designer
- Update office document templates



# WIPO IPAS Cloud

## Mandatory Configuration Changes 1/3

- Configuration file format including office templates and checklists, properties
- Introduction of Nice classification status
- Madrid decision notification time limit 12 or 18 months
- Process types are limited to 4 possible cases:  
File[1], User document[2], Office Document[3], Manually Linked to a file[4]
- Process result should be marked as either:  
Pending, Active, Not active, Terminated based on  
WIPO ST27 and ST87

# WIPO IPAS Cloud

## Mandatory Configuration Changes 2/3

- Over 25 new user document types
- Introduction of local currency indicator
- Review checklist as replacement of option list
- Define process document sequences for:
  - Reception Batch sequence (in Document Origin)
  - Receipt number sequence (in Document Origin)
  - Auxiliary register sequence (in Auxiliary register)
  - Legal representative code (i.e. agent code)
  - Invoice number sequence

# WIPO IPAS Cloud

## Mandatory Configuration Changes 3/3

- Define process stages and action event codes for standardization of events
- Standardization of country codes and currency codes
- Review cutoff date for data capture of applications and user documents

# WIPO IPAS Cloud

## Possible Data issues to Fix 1/2

- Application types does not have proper defined indicator to identify the IP Type
- IP\_MECA\_IN\_TRANS records of MECA transaction have missing entries in IP\_USERDOC
- Duplicate days found with different timestamp (IP\_DAYS)
- Duplicate days found with different timestamp (IP\_DAILY\_LOG)

# WIPO IPAS Cloud

## Possible Data issues to Fix 2/2

- User documents does not have user document types
- Duplicate workflows are associated with same user document (same document affects file as well as does not affect files, which is impossible in real scenario)