

**UNITED STATES
PATENT AND TRADEMARK OFFICE**



Artificial intelligence (AI)/IT updates

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Patent Public Advisory Committee public meeting

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Cybersecurity/resiliency & migration to cloud

Threat level

- Denial of Service attempts: 313,618
- Attempted Access attempts: 120,340
- Scan and Probe attempts: 75,421
- Improper Usage attempts: 51,395
- Malicious Code delivery attempts: 42,543

Cyber improvements

- Immediate response to log4j threat
- Conducted Incident Response Table Top Exercise to improve operations
- Completed phishing campaign with COVID theme
- Performed supply chain risk assessments
- Executed penetration testing on High Value Assets (HVAs)

Cloud FY21 and FY22 stats

- Implemented continuous cloud cost optimization and compliance checks in UACS (Amazon Cloud) that allowed for a 35% cost savings in FY21 cloud usage from what was reported in FY20
- Created 23 Product Team Component lab accounts and 11 prod accounts during FY21 in UACS
- Created 6 Product Team Components lab accounts, 1 prod account during FY22 in UACS
- Created 3 UMACS (Azure Cloud) lab accounts
- Created 16 UGCS (Google Cloud) accounts

Overall cloud infrastructure stats

- Created over 1000 cloud user accounts
- Created approximately ~1800 virtual machine and database instances
- Created 242 containerized instances
- Total Cloud Storage volume = 735 TB
- Total Data Transfer In = 37 GB
- Total Data Transfer Out = 2600 TB



Patent Center and DOCX

- Overview of DOCX video available at “USPTOvideo” YouTube channel and on the DOCX landing page:
 - <https://www.uspto.gov/patents/docx>
- Multiple sections in a single document can be filed in Patent Center in DOCX format.
- Real-time content validations are only available with DOCX filing.

Update on patent search tools

- Look back over last quarter

- Currently, 70% of examiners have been trained on PE2E Search.
- Released new Patent Public Search tool

Announcement: <https://www.uspto.gov/about-us/news-updates/uspto-launches-new-patent-public-search-tool-and-webpage>

Link to tool: <https://ppubs.uspto.gov/pubwebapp/>

Landing page with training, FAQs, and help guides:

<https://ppubs.uspto.gov/pubwebapp/static/pages/landing.html>

- Look forward over next quarter

- Continue training on PE2E Search to transition examining corps

Patent AI search tools

- Look back over last quarter
 - Released “More Like This Document” (MLTD) in PE2E Search
 - Official Gazette notice “New PE2E Search Tool Using AI Search Features Using MLTD” issued on January 11th, 2022
<https://www.uspto.gov/web/offices/com/sol/og/2022/week02/TOC.htm#ref10>
- Next quarter
 - Expand access of MLTD (via PE2E Search) within examining corps
 - Continued development of enhancements to AI search to include application data in queries

Questions and comments

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Thank you!

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