

APTLD WORKING GROUP ON RESEARCH IN NEXT GENERATION DNS

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- During the 85th Members' Meeting in Goa, this Working Group (WG) was established to analyse emerging technologies and propose new products to the registries.
- The WG has since held several meetings, addressed various issues, and presented its findings. We have received 3 ideas so far.

Limitless Name Registration

- **Enhanced Domain Registration:** Allow multiple registrations of the same domain by introducing attributes like location, keywords, special characters, etc.
- **Advanced Search Options:** Offer searchable web options, API integration, and AI-based name search.

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Leveraging NFTs for Adding more value to the DNS Ecosystem

- **Blockchain WHOIS Data:** Recording WHOIS data on the blockchain to trace history and resolve grievances efficiently.
- **Fake Website Tracking:** Use blockchain to track fake websites and reduce scams and irregularities.
- **NFT Domains:** Convert blockchain-based domains into NFTs for offering Domain as a Service (DaaS) to businesses.

Case Study – NFT Certificate in .uz

- **Purpose:** NFT certificates verify domain name ownership in the .UZ zone.
- **Reason:**
 - Enhances domain name owner protection, ensuring greater transparency and reliability of their information.
 - NFT certificate uses blockchain to eliminate forgery and fraud risks while leveraging digital technologies to simplify information retrieval