Integration of DNS Domain Names into Application Environments: Motivations and Considerations (draft-ietf-dnsop-integration)

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Draft's Current Focus

- The goals of this document are:
  - Minimizing conflicts between the global DNS and applications that integrate with the global DNS
  - Providing a consistent user experience (unique identifier across environments)
  - Extending the security, stability, and resiliency of the global DNS

- Provides informational (non-normative) statements on both:
  - Motivations for why applications are integrating DNS domain names
  - Considerations applications should account for to minimize conflicts

- Thanks for the feedback during the call for adoption and to the ARTART/SECDIR for early reviews

00 to 01 Updates

- Added text from the introduction and security considerations sections to the abstract to frame the document's goals earlier

- Updated intended audience to focus on applications providing DNS integrations and consideration to use this document as checklist

- Consolidated motivation section into intended audience section

- Minor updates to considerations identified during call for adoption/reviews

Current Considerations

- Domain Name Lifecycle

- Domain Control Validation

- Completeness

- Synchronization

- DNS Protocol Evolution

- Identifier Attribution

- DNS Record Type Support

- Variety of DNS Management User Interfaces

Next Steps

- We would like input on additional considerations to include and feedback on existing ones

- Some feedback recommended providing direction with normative language on how an application should handle the considerations
  - Want more feedback before figuring out next steps on this issue