

# Deployment considerations

## draft-ietf-alto-deployments-11

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# Improvements compared to -10 (1)

- Alignment with RFC 7285 throughout the document
- Section 2.2.1. Roles in ALTO Deployments
  - Updated to better explaining the main entities in an ALTO deployment
    - Source of topological information
    - ALTO server
    - ALTO client
    - Resource consumer
  - Potential ALTO server operators
    - Network operators
    - Third parties
    - User communities

# Improvements compared to -10 (2)

- Section 3.2. Provisioning of ALTO Topology Data
  - Extended and improved description of system architectures
  - Various text updates in different subsections
    - Section 3.2.1. Data Sources
    - Section 3.2.2. Privacy Requirements
    - Section 3.2.3. Partitioning and Grouping of IP Address Ranges
    - Section 3.2.4. Rating Criteria and/or Cost Calculation
- New Section 3.3.3. General Limitations
  - Describing the scope of ALTO and limitations compared to other approaches
  - Unique characteristics of ALTO
    - Endpoint focus
    - Abstraction
    - Multiple administrative domains
    - Read-only

# Improvements compared to -10 (3)

- Section 4. Using ALTO for P2P Traffic Optimization
  - Some internal reorganization
  - No significant modifications of the content
- Section 5. Using ALTO for CDNs
  - New Figure 20
  - More consistent terminology (ISP vs. NSP)
- New Section 6.3. Other Application-based Network Operations
  - Mostly a reference to draft-farrkingel-pce-abno-architecture

# Improvements compared to -10 (4)

- Section 7. Security Considerations
  - Mostly rewritten but the rewording keeps the content that is referenced in RFC 7285
  - Section 7.1. ALTO as a Protocol Crossing Trust Boundaries: New section
  - Section 7.2. Information Leakage from the ALTO Server: Updated privacy issues
  - 7.3. ALTO Server Access: Reference to operational security practices (RFC4778)
  - 7.4. Faking ALTO Guidance: Minor rewording
- Moving Appendix A to Section 10. Acknowledgments
- Some additional references, e.g., [I-D.kiesel-alto-xdom-disc]
- Many minor editorial improvements

# Summary and Next steps

- All known issues have been adressed
- Ready for WGLC?