IDN Interoperability Discussion

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Software architecture as a bridge

Requirements

Software Architecture

Code
Interoperability Principle

• Interoperability definition
  – The ability for multiple software components written in different programming languages to communicate and interact with one another

• Key aspect: Seamlessness
  – The developers of a multi-language software system need to be aware of language differences between interoperating software components
  – Example of the seam include the appearance of foreign function interface calls in source code
Interoperability between IDN applications

IDN Server

IDN Client A

IDN Client B
Interoperability with multiple IDN clients

IDN Server
Compatibility and Revision

• Unicode revision
  – Current IDNA use Unicode3.2
  – Will it cause compatibility issue if Unicode change to future revision.

• Application interoperability
  – Email, WWW, FTP, ..etc