Name Based Sockets –Shim6
(draft-xu-name-shim6-00)

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We develop a Linux based NBS–Shim6 prototype to prove the concept
  – NBS benefits but does not depend on Shim6

Modifications are made to the kernel to implement NBS & Shim6 protocols
  – Small, but necessary

Daemons are developed in user space to run the prototype
  – Name based TCP, multihoming, mobility
Challenges

• More efficient Shim6 implementation is needed to improve the recovery speed

• More investigation is needed on using DNS
  – Cache mechanism, load pressure, query speed

• Security needs to be carefully considered!
  – Same security as Shim6?
  – DNSSEC sufficient?