

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

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# Milestones

- 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?